Base Load Power Hub (BLPH)

Project Controls Plan

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1 PROJECT OVERVIEW

1.1 THE HOLLANDSE KUST NOORD WIND PARK

Crosswind, a Shell and Eneco joint venture, was awarded the tender to develop the offshore Hollandse Kust Noord (HKN) wind farm, located 18.5km off the coast of Netherlands near the town of Egmond aan Zee. The consortium plans to have HKN operational in 2023 with an installed capacity of 759MW generating at least 3.3TWh per year. This is sufficient renewable power to supply more than 1 million Dutch households with green electricity.

Offshore wind farms produce intermittent electricity and balancing these dips and peaks and integrating this electricity into the national energy system requires new technologies. For this reason, the offshore wind farm will include several new technologies that could be implemented at full-scale in the future. The new technologies being explored include a floating solar park, a short-duration battery storage as well as long-term storage via green hydrogen produced by water electrolysis and subsequently consumed in a fuel cell. The combination of these individual measures, herein referred to as the Base Load Power Hub (BLPH) will ensure a continuous power supply regardless of the wind situation.

1.1.1 Project Location

The Hollandse Kust Noord (HKN) wind farm is located 18.5km off the coast of the Netherlands near the town of Egmond aan Zee.

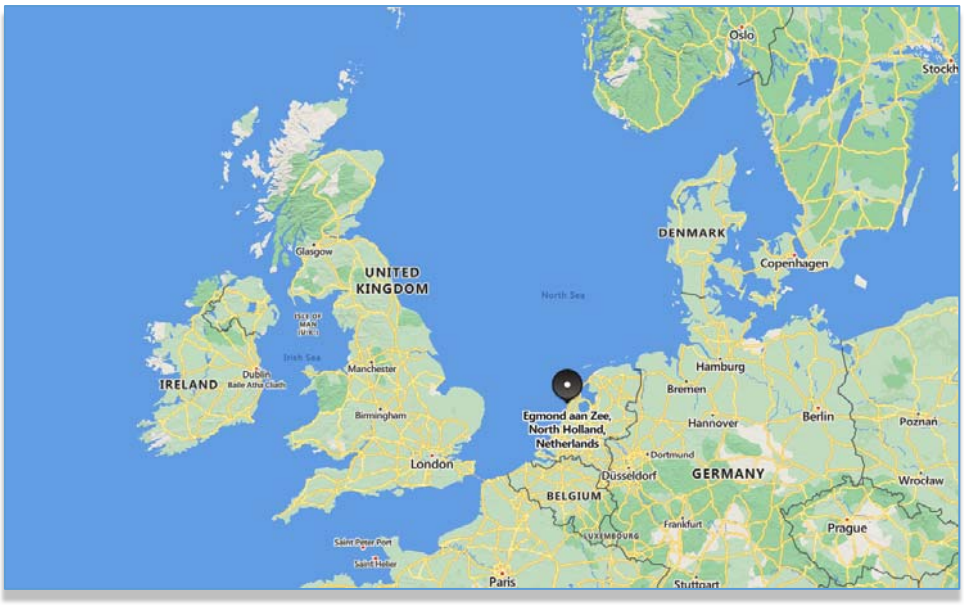


Figure 1 - HOLLANDSE KUST NOORD WIND PARK Location Map



Figure 2 - Wind Park Details

The wind farm will consist of No. 69 x 11.5MW wind turbine generators each to be installed on a dedicated monopile structure. A 70th monopile located on coordinates E 590719.1, N 5841602.3 is reserved for installing the platform accommodating the BLPH. The monopile structure was designed and installed by Van Oord Offshore Wind (VooW) and therefore not part of the BLPH scope.

1.1.2 Project Concept

All components included in the BLPH will be integrated onshore on a topsides and installed in an offshore location within the boundaries of the HKN wind farm. At its simplest, the BLPH will store energy during periods of high electricity generation from renewable sources (a wind turbine generator and the floating solar PV farm) and release it during periods of low generation. In practice. It is expected that the energy stored will supplement generation from renewable sources to ensure that at least 1.0MW of power is exported to the electrical grid regardless of wind/solar availability.

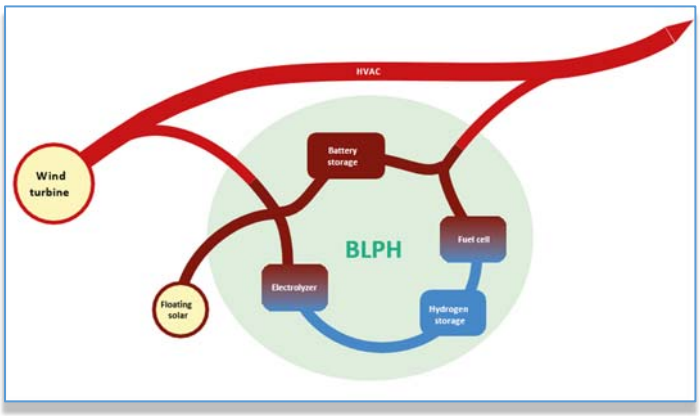


Figure 3 - BLPH Concept

Electricity in the BLPH will be stored in the form of electrons in a battery energy storage system (BESS) as well as converted into green hydrogen via water electrolysis. When the power output from the connecting wind turbine drops to below 1 MWe, the BLPH will return its stored energy to supplement the remaining power output. This will be by discharging the BESS, while stored hydrogen will be converted back into electricity using a fuel cell to extend the discharge duration.

The purpose of the BLPH is to function as a testbed for the integration of energy storage technologies with renewable generation. It is expected that equipment installed on the BLPH will operate as Normally Unmanned Installation for at least two (2) years with no or minimal maintenance and it will have its own independent control room with the ability to communicate with Crosswind's control room.

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2 DOCUMENT SCOPE

The Project Control function is to inform management of the physical progress and cost parameters obtained using methods further detailed in this procedure in order to determine if and what corrective actions shall be applied.

The purpose of this Project Controls Plan is to define and explain the method of planning, measuring and reporting progress of the works, cost control, risk analysis and management of change.

It will be used as a basis for monitoring and analyzing the status of the Project in order to provide necessary forecasting of the project development and to ensure that project will be completed on time, within the budget and at the level of quality agreed.

2.1 PROJECT CONTROL ORGANIZATION

- A Project Control team consists of resources assigned to work on the deliverables of the Project. Moreover, the Project Control team is duly responsible to monitor that the completion of the assigned work is within the budget, timeline, and quality expectations, informing the Project Manager of issues, scope changes, and risk and quality concerns.

- During the initial phase of project execution the project planning's plays enormous role in the definition of scope, time and costs of Project with support of Engineering, Procurement, Construction team leaders. In this phase will be defined the Baseline of Project.

- When the project baseline is defined, the Project Controls starts to record & monitor the actual progress, costs and schedule status. This includes progress measurement, management of change, and cost forecasting.

- During the Execution stage the Project Controls team measures & monitors cost and schedule performance against baseline and evaluate the health of Project, in order to understand whether the project is going as per plan and within a budget.

- The Project Control team helps the other members of project team to collect the performance results, to perform the analysis of variance and forecasting, and if necessary, take the corrective or preventive actions via different project control tools/software.

- The Integrated Project Control team of CONTRACTOR includes the Project Control Manager, Planning Engineer supported by Planner (during construction phase), Cost Controller Engineer, Contract Administrator R&O Engineer and in case will be supported by Project Control department Manager. Here below the Project Control Organization Chart for this Project.

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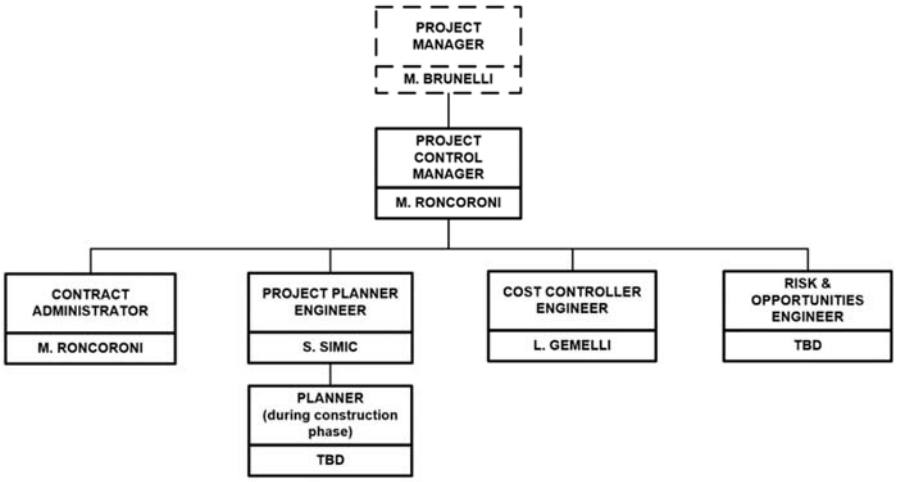


Figure 4 - Project Control Organization Chart

2.2 ROLES AND RESPONSABILITIES

2.2.1 Project Control Manager

The Project Control Manager, assisted by its Project team, is responsible for:

- Defining/developing procedures in agreement with contract specifications and COMPANY's procedures.
- Preparing, controlling, updating and monitoring of all schedules and reports to be produced on the Project.
- Ensures incorporating the contract changes in the schedule and the follow-up activities.
- Validate the progress figures to ensure accuracy.
- Validate the internal budget and the following updates.
- To support the Project Manager in the monitoring of project credit exposure.
- Verification of progress figures for invoicing purposes and preparation of invoicing documentation.
- Proposing alternate programs, and mitigation measures.
- Carry out audits to ensure that the reporting progress functions as required.

2.2.2 Planner Engineer

- Identify deviations from the baseline schedule and propose mitigation measures to the Project Control Manager / Project Manager.
- Be fully conversant with Contract Administrator to make out impacts of identified changes in the work.
- Be fully conversant with Risk and Opportunities Engineer to make out impacts of identified risks in the work.
- Provide inputs to the Project Control Manager regarding progress and productivity.

- Work in close co-operation with the Project Team both for program implementation and for updating data and information, helping to disseminate project planning mentality and methodologies.
- Responsible for project planning on all levels, ensures that activities scheduling meet the requirements on the Contract ensuring its consistency by avoiding open ends in the network, avoiding constraint abuse, linking every milestone, performing target program maintenance and having a meaningful Critical Path.
- Analyses and collects, assisted by Team members, all the information for developing the WBS, network, project database and reporting system. In addition, develops or customizes all necessary software tools.
- Suggests to the Project Manager the best way to plan the project, bearing in mind both COMPANY's requests and corporate needs.
- Adjusts resource load histograms, updates, revises and monitors the project progress.
- Reports to the Construction Manager on progress and re-plans activities according to both project requirements and actions to undertake in the event of delays.

2.2.3 Cost Controller Engineer

- Preparation and control of internal budget in accordance with CONTRACTOR structure
- Assistance to preparation of invoicing documentation
- Evaluation and estimation of all change order modifications on cost.
- Internal value of work done forecast phasing
- Assistance to preparation of close out report
- Reports to the Project Manager and Project Control Manager.

2.2.4 Risk & Opportunities Engineer

Risk & Opportunities Engineer can be a part-time resource on the Project.

- To support Project Manager and Project Control Manager in the implementation of this Risk Management process in the Project.
- To monitor and oversee, if required, the risks and opportunities analysis during project realization, supporting project team in the identification of risks and opportunities and in their qualitative and quantitative evaluation.

2.2.5 Contract Administrator

- Support Project Manager and Project Control Manager in the management of change process.
- To assure the review and the analysis of contractual documents, as well as monitor the respect of requirements, by a continuous interface with the Project Team.
- To support the Project Team in the evaluation of situations that may cause deviations from contractual provisions.

- To support the management of bank guarantees relevant to subcontracts and sub supply and the provisions analysis for their dissolution.
- To ensure support in the identification of requirements and events that give the right to return the bank guarantees provided to the COMPANY previously.
- To support, if required, the preparation of clarification requests, extra works and claim in collaboration with the Project Manager and the Project Control Manager, to evaluate them in terms of time and cost impacts.
- To guarantee the formalization of the most important contractual variations originated during Project realization, that shall be submitted for COMPANY's approval.
- To take part in the Project Close-Out Report issue, highlighting the occurred contractual deviations and the variations disclosed and approved.

3 DEFINITIONS

COMPANY (CPY)	:	CrossWind C.V.
CONTRACTOR (CTR)	:	Rosetti Marino S.p.A.
SUBCONTRACTOR (SCTR)	:	Shall mean any party (other than CONTRACTOR) to a SUBCONTRACT including its employees and agent
BASELINE SCHEDULE or PROGRAMME	:	The baseline schedule is the most recent Schedule accepted by the COMPANY: indicates the original schedule dates / events / progress (Baseline or its revisions). It is used in P6 to compare progress against the current schedule
CURRENT SCHEDULE	:	The current schedule is the most recent Schedule updated. It is used in P6 to compare progress against the baseline schedule
ACTIVITY ID / WORK ID	:	Work identification code
ACTIVITY	:	Smallest unit of planned work having three characteristics: (1) definite duration, (2) logic relationships with other activities in the project, and (3) resource consumption. Often used as an alternative term for task and represent the level 4 of the schedule
LOGIC	:	The interdependency of activities in the network
CRITICAL ACTIVITY	:	An activity that is on the critical path of a Critical Path Method network or bar chart as being critical to completion of the project. These usually have zero float. Any delay on these activities completion or progress will impact on the completion date of the whole project
CRITICAL PATH	:	The longest continuous sequence of activities from project start to finish, along which any delay will delay completion of the project. In Critical Path Method terms, it is the path with the least Total Float. A sequence of works specifying the maximum duration of the works under the Contract with zero reserve.
CPM NETWORK	:	Critical Path Method Network. A network showing the path with the least amount of scheduling flexibility (critical path)
MILESTONE	:	An activity that represents an event of importance, a significant point in time or deliverable that has no

		duration. Activities that indicate the start or end of a series of related activities can be identified as milestones
WORK BREAKDOWN STRUCTURE (WBS)	:	An organized, hierarchical system of sub-dividing the physical elements of the project in order to do manageable the following up and control on activities. This WBS allows activities in a program to be summarized for monitoring or presentation at different levels
WEIGHTED VALUE	:	Indicates weighting factors allocated as per budget value to the activities to measure the overall physical progress of the Project
STANDARD MAN-HOURS	:	Resource given to each activity based on CONTRACTOR's historical data or standard productivities
DATA DATE / CUT-OFF	:	The calendar date that separates actual (historical) data from scheduled data.
PERCENT COMPLETE	:	The proportion of an activity that is physically complete. Percent complete represent the physical progress of an activity, evaluated as the quantity of work executed divided by the work estimated
EARNED VALUE	:	Indicates the value of work actually accomplished as of the planned dates. Theoretical value of the work performed
REMAINING DURATION	:	The estimated time required to complete an activity as of the data date
ACTUAL	:	Indicates the status of "up to date" than initially planned (Start, Finish, % Complete)
FORECAST DATE	:	Expected Date to achieve any activity as result of the analysis steps achieved or quantities installed historically up to data date in the project
COST BREAKDOWN STRUCTURE (CBS)	:	An organized, hierarchical system of sub-dividing the cost of the project in order to reflect Contractual Schedule of Price
DELIVERABLES	:	All products (drawings, equipment, services) which must be submitted by CONTRACTOR to COMPANY at times specified in the contract

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MASTER DOCUMENT REGISTER (MDR)	:	The List of documents to monitor their development from the moment the CONTRACTOR starts developing the documents until the COMPANY approves the final version of the document in the AFC revision (Approved for Construction), subject to obtaining of the necessary approvals and permits.
WD (Working Documents) / DD (Detail Design)	:	Text documents, detail drawings, specifications, as well as other documentation developed in order to implement solutions of the COMPANY's Engineering Documentation on the Facility or a Part thereof. A list of the Detailed Documentation (DD) used for controlling the DD development from the start of the Contractor's DD development till the date of approval by the Customer of the final versions of documents in AFC (Approved for Construction) status, subject to receipt of the required approvals and permits.
SUPPLIES	:	Work related to manufacture and supply of the Equipment and/or Materials, including, but not limited to, the elaboration of Designs, purchase of components and materials, testing, transportation to the Construction Site, as well as other work to organize the above mentioned work.
RESOURCE PLAN	:	A Plan of resource requirements, list of the Project resources distributed over the Project Schedule depending on the tasks and to be used for the Project resource management. The Resource Plan may include only those resources controllable by the Project Manager. Such resources may include material resources, labour resources, equipment.
PRIMAVERA PROJECT PLANNER (P6)	:	The planning tool selected for use on the Project scheduling
30/60-DAYS LOOKAHEAD	:	Short and medium-term plan extracted from the schedule and used to plan the procurement of required materials, labour, auxiliary equipment, etc.
IFI	:	Issued for Information
IFR	:	Issued for Review
IFA	:	Issued for Approval
AFC	:	Approved for Construction

4 PROJECT PLANNING AND CONTROL PHILOSOPHY

4.1 GENERAL OVERVIEW

It is the CONTRACTOR's objective to execute the Project in a safe, transparent, predictable and competitive manner in order to deliver the Project within budget, on time and at the level of quality agreed.

The fulfilment of this objective is based on the capability to identify and quantify the various activities to be developed, to assign the responsibilities for their execution to the appropriate functions, and to control the execution of the activities.

The aim of the Project Control function is to monitor all identified Project targets within pre-defined limits of the schedule, budget cost and quality and inform the management about current status and foreseen development.

To effectively plan and monitor the Project, the entire Scope of Work will be subdivided into manageable packages of homogeneous activities as per the WORK BREAKDOWN STRUCTURE (WBS) agreed with COMPANY applying the "Top Down" technique.

CONTRACTOR's responsibility is to create a dedicated BASELINE SCHEDULE (fourth Level Schedule) and to establish a monitoring, progress measurement, reporting and invoicing system which will be further explained in this document.

4.2 ASSUMPIONS

Preparing the BASELINE SCHEDULE, CONTRACTOR shall consider the following assumptions:

- Working Time:

- Engineering: 8 hours/day; 5 days/week.
- Construction On-Shore: 9 hours/day; 6 days/week.
- Construction Off-Shore: 12 hours/day; 7 days/week.
- Holidays: all statutory and public holidays are included in the schedule's onshore calendars as non-working days.

- Contractor will manage application of extra-time working periods based on criticality of each activity:

- Working on Sundays if and when needed
- Working in double shifts when deemed appropriate

- QC Activities are included in the corresponding fabrication / construction works.
- Schedule does not take into consideration any VARIATION on Contractual scope of work. If such cases occur the schedule will be evaluated to determine the relevant impact.
- Schedule does not consider any other work periods other than work periods defined by the schedule calendar.
- Schedule does not take into consideration any extraordinary weather conditions that might impact the project execution.

- Schedule does not take into consideration any yard facilities failure that might impact the project execution. However, as facilities are inspected and serviced regularly it is not likely that such case will occur.
- The estimated amounts of quantities to be purchased/installed are those evaluated in the documentation received from COMPANY during tender phase based on which has been defined CONTRACT PRICE.

4.3 CRITICAL PATH

To clearly identify the critical path, the Level II - CONTRACT Management Schedule will be prepared considering the following main constraints as defined in the Section IIIC "Schedule of Key Dates and Liquidated Damages" of CONTRACT:

- Onshore Commissioning completed – April 2nd 2025
- Onshore Integrated Testing completed – May 1st 2025
- Ready for Sail-away Certificate issued – May 16th 2025

By default, activities with a total float equal to zero (0) day shall be considered as critical and activities with a total float less than ten (10) days shall be considered as sub-critical, except where otherwise agreed between the parties.

Moreover, the following Contractual Schedule Requirements have to be followed:

- mandatory and expected finish constraints are not allowed in the schedule.
- open ends in the logic network, out of sequence, redundant logic and extensive lags are not allowed and need to be resolved before submission.
- use of extensive activity durations will be limited for engineering no longer than30 days, for construction no longer than 60 days and for commissioning no longer than 30 days.

To secure and maintain the scheduled time frames CONTRACTOR may implement has indicated the opportunities for the work execution that are:

- Working on Sundays if needed
- Working in double shifts when deemed appropriate

4.4 INCORPORATION OF VARIATION IN THE SCHEDULE

If VARIATION(s) occurs during Project execution, these VARIATION(s) will be monitored separately in the schedule by clearly indicating separate activities for each VARIATION. These activities will be integrated in schedule logic thus clearly indicating possible impact to the schedule. These activities might be in the critical path of the schedule thus opposing a risk to Project completion.

In case and upon incorporation of the VARIATION(s) in the project schedule, planning and control documents will be updated in a way to show the impact of the VARIATION on the overall project execution. However, VARIATION(s) progress (in terms of percentages of progress) will be monitored separately from original scope of work.

5 PLANNING METHODOLOGY

5.1 INTRODUCTION

The purpose of planning is to clearly define what an organization intends to accomplish, how and when this will take place, and who will be held accountable. Planning ensures that long-term goals are systematically translated into short-term, measurable goals.

Planning comprises of different documents that define the details how planning is prepared and the hierarchy for reporting. These documents are subdivided into 2 groups that are:

- Base planning documents based on which the Project BASELINE SCHEDULE will be created.
- Detailed Network Work Time Schedule supported with S-curves and Histograms.

5.2 BASE PLANNING DOCUMENTS

5.2.1 Contractual Key Dates

CONTRACTOR's main responsibilities are driven by the Contractual key dates. The detailed Network Project BASELINE SCHEDULE shall be developed to meet these contractual dates.

The list of Contractual Key dates is shown in the list below:

#	Description	KEY DATE
1	HAZOP Workshop conducted and report issued	28 Nov 2023
2a	30% Model Review completed and report issued	15 Nov 2023
2b	60% Model Review completed and report issued	29 Feb 2024
2c	90% Model Review completed and report issued	13 Jun 2024
3	Purchase Order of Desalination Unit issued (& accepted)	11 Dec 2023
4	Purchase Order (first batch) of Primary and Secondary Structural Steel issued (& accepted)	04 Dec 2023
5	Primary Steel Construction Drawings AFC issued	27 Dec 2023
6	Start of construction of steel structure	27 Dec 2023
7	Purchase Order of Electrical Equipment (Transformer Main 66kV, Transformer Aux 6.6kV, HV Switchgear 66kV, MV Switchgear 6.6kV) issued	01 Sep 2023
8	Assembly of Steel Structure of Lower Deck (Primary and Secondary Steel) completed	29 Mar 2024
9	Installation of Mechanical Equipment of Lower Deck completed	28 Sep 2024
10	Mechanical Completion finished	07 Dec 2024

11	Onshore Commissioning completed	02 Apr 2025
12	Onshore Integrated Testing completed	01 May 2025
13	Ready for Sail-away Certificate issued	16 May 2025
14	CONTRACTOR Ready in All Respects to Commence Topsides Installation at the PROJECT SITE.	subject to notification
15	Topsides Installation completed	KD14 + 5 days
16	HANDOVER CERTIFICATE for the whole PERMANENT WORK issued	KD15 + 40 days
17	Topsides As-Builts issued	KD16 + 45 days
18	COMPLETION	KD16 + 90 days

Table 1 - Contractual Key Dates

5.2.2 Work Breakdown Structure (WBS)

To effectively plan and control the Project, the entire Scope of Work is subdivided into manageable packages of homogeneous activities applying the top-down technique. The overall project control system is based on a WORK BREAKDOWN STRUCTURE (WBS) as detailed in the table below and as per the structure agreed with COMPANY within 14 days from the EFFECTIVE DATE. The WBS will also establish the hierarchy for progress reporting.

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BLPH WBS Structure

LEV.1 Project Management		
LEV.2	Project Management	
LEV.2	Services to be provided to COMPANY	
LEV.2	Financial Guarantees	
LEV.1 Engineering		
LEV.2	Detailed Design	
LEV.2	Engineering support during fabrication	
LEV.2	Engineering Loud out, Transport & installation	
LEV.2	As-built Documentation	
LEV.1 Procurement		
LEV.2	Equipment	
LEV.2	Bulk Material - Steel	
LEV.2	Bulk Material - Piping & Valves	
LEV.2	Bulk Material - Electrical, Instrumentation, Control	
LEV.2	Bulk Material - Insulation and Coating	
LEV.2	All other Material	
LEV.1 Fabrication		
LEV.2	Onshore Fabrication	
LEV.3		Structural
LEV.3		Piping
LEV.3		Mechanical
LEV.3		Electrical
LEV.3		Control, Instrumentation & Telecom
LEV.3		Key Package Integration
LEV.2	Mechanical Completion	
LEV.1 Onshore Commissioning & Integrated Testing		
LEV.2	Onshore Commissioning	
LEV.2	Onshore Testing	
LEV.1 Transportation		
LEV.2	Transportation Readiness	
LEV.2	Load-out from Yard	
LEV.2	Transportation to Site	
LEV.1 Installation at Project Site		
LEV.2	Mob/Demob vessels	
LEV.2	Installation vessel + Support vessels	
LEV.1 Offshore Hook-up, Commissioning and Start up		
LEV.2	Hook-up activities	
LEV.2	Offshore Commissioning	
LEV.2	Start up	
LEV.1 Variation orders		
LEV.2	Variation orders	

Table 2 - Work Breakdown Structure (WBS)

5.3 CONTRACTOR'S BASE DOCUMENTS

Based on the Contractual delivery dates, CONTRACTOR will develop a relevant BASELINE SCHEDULE.

CONTRACTOR has defined a construction erection sequence as the key driver for the successful project execution. Construction erection sequence has been defined in a way to respect the construction requirements which are driven by Contractual Key Dates.

Upon the definition of the construction erection sequence CONTRACTOR will develop other base planning documents relevant to project phases that are:

- Master documents register (MDR) for the engineering phase

- Procurement plan for the procurement phase
- Man-hours budget for Construction phase

5.3.1 Master Document Register (MDR)

The Master Documents Register (further referred to as MDR) is a document that will list and keep track of all project management and engineering documents and of the Project.

The MDR is managed by the Project Engineering Manager assisted by the Document Controller.

The MDR will include the planning and forecast dates based on the contractually defined steps for all engineering documents and it will be the basis to plan in detail and reflect links of engineering activities to procurement and construction activities in the Schedule.

It will be also the basis for engineering monitoring and progress calculation which is further explained in section "Project Progress Measurement" of this procedure. An example of MDR is provided in Attachment 1.

5.3.2 Procurement and Contracting Plan

CONTRACTOR will prepare and develop Procurement and Contracting plan to record, monitor and control the progression of the contracts and purchase orders placed in for the provision of the equipment, materials and work necessary for successful execution of the Project.

Procurement plan will be the basis to plan in detail and reflect relevant links to the engineering and construction activities in the BASELINE SCHEDULE.

It will be used for updating of the procurement progress from which an overall procurement progress calculation is derived.

CONTRACTOR will issue on a weekly basis, a Procurement and Contracting Plan including at least the following information:

- Item list (with a brief description of the material)
- Request of supply status
- Material requisition planned, forecast and actual date
- Request for quotation and Vendor quotation planned, forecast and actual date
- Purchase Order issue status for all the SUPPLIES and SUBCONTRACTOR identification
- Purchase order issuing planned, forecast and actual date
- Packing, marking and final inspection (Ready EW) planned, forecast and actual date
- Material readiness at worksite planned, forecast and actual date

The weekly updating of the Procurement and Contracting Plan will be the basis for updating the Procurement Progress Report.

Procurement and Contracting Plan will be managed by the Planning Engineer and the Project Procurement Coordinator. An example of Procurement Plan is provided in Attachment 2.

5.3.3 Man-hours Budget & Definition

Man-hours can be categorized in direct/indirect productive or non-productive.

Being the non-productive man-hours directly linked to the physical progress, they will not be part of the resource assignment within the Schedule activities. At the same time, it is not CONTRACTOR intention to assign productive indirect man-hours (i.e. material handling, site cleaning, supervisors, inspectors) to the activities part of the Schedule.

Based on forecast quantities and CONTRACTOR's rates for the activity (type of work), CONTRACTOR has estimated necessary man-hours budget for work execution to accurately plan the construction activities and relevant direct man-hours workload.

Relevant direct productive man-hours will be assigned to all construction elements (positions).

Positions will be assigned to the foreseen construction Level IV activities of the Schedule.

The workload defined by man-hours will define timeframe for construction activities execution in respect to the construction erection sequence.

The planning of construction activities will reflect links to engineering and procurement activities ensuring overall integrity and compatibility of the BASELINE SCHEDULE.

5.4 CONTRACT BASELINE SCHEDULE

The BASELINE SCHEDULE has been developed using Primavera P6; Release 7.0.0 software.

The BASELINE SCHEDULE shall identify main Work Elements of the Project furthermore each of the Work Elements shall be divided into Work Units (WBS Level 2) and Sub Work Units (WBS Level 3) to clearly identify the relative scope of work within the Work Package. The WBS Level 4 shall be composed of Level IV activities and will form a final detailed network Project BASELINE SCHEDULE.

As indicated above Project BASELINE SCHEDULE is presented in four levels of planning that are:

- Planning Level I – Work Units (WBS Level 1)
- Planning Level II – Sub Work Unit (WBS Level 2)
- Planning Level III – Time Analysis Network
- Planning Level IV – Work Element Schedule

5.4.1 Planning Level I – Work Units – (WBS Level 1)

The Level I of planning shall be an Overall Summary Schedule of the complete work scope rolled-up from the other levels and shall be a single page document showing each Work Units.

The completion date and Contract Milestones dates shall be included in this level of planning as a separate section.

5.4.2 Planning Level II – Sub Work Units – (WBS Level 2)

The Level II of planning shall include main events of Management, Engineering, Procurement, Fabrication, Commissioning & Testing, Transportation, Installation and Offshore hook-up, Commissioning and Start-up at the level of Sub Work Units plus the completion dates and Contract Milestones dates as a separate section.

5.4.3 Planning Level III – Time Analysis Network

For better identification and monitoring of individual measurable works, all engineering, procurement, and fabrication tasks will be further subdivided to this level of planning where they will be mostly list out as deliverables or type of deliverables similar in its nature.

For all other tasks a precedence-based network schedule will be created to define constraints between basic activities. A Basic Activity is defined as a single item of work with a defined scope, budget, responsibility, and timeframe. The Network shall contain information such as:

- Activity ID No.
- Activity description
- Start/Finish dates
- Duration
- Constraints
- Total float
- Identification of the critical path.

5.4.4 Planning Level IV – Work Element Schedule

The Level IV – Work Element Schedule will be the most detailed level to which the work is broken down within the Primavera schedule. It shall describe, quantify, and estimate separately each work element at a level of detail that shall be reasonable and manageable within the logic network.

Level IV schedule prepared by CONTRACTOR for different work elements shall be resource loaded and shall facilitate rolling up of progress to be plugged in to the Level 2 Schedule. All the activities shall be coded to ensure further level summarization of the work.

In principle, the Level IV shall be developed and detailed as much as possible after agreement between COMPANY and CONTRACTOR.

5.4.5 Project Schedule Network

The Project Schedule network will be formed by identification of logical links between all basic activities (Level V for all fabrication and level IV for all other tasks). In this way the schedule shall be sufficiently detailed to allow COMPANY to closely follow the works during each critical phase of the project.

The Schedule structured as indicated above, will be the basis for setting the Baseline, progress reporting, producing baseline manpower histograms, baseline S-curves and float identification for each activity.

Based on the float for each activity, a critical path of the Project will be identified and the critical activities shall be indicated in red color. The color identification and the evaluation of the possibility to highlight the activities part of the sub-critical path as well will be agreed with COMPANY.

The network will be updated at each monthly cut-off date.

The bar chart will depict the following fields:

- Activity ID

- Activity description
- Original Duration
- Remaining duration
- Start dates (current + baseline)
- Finish dates (current + baseline)
- Activity physical percent completed
- Total float

Actual Physical Progress will be updated for each level IV or V basic activity and inconsistencies between planned dates and forecast dates analyzed and explained.

The Schedule updating will show the current status of the Project but not change the revision of the schedule.

The Project BASELINE SCHEDULE will be provided with the following bars:

- Early current bar
- Progress bar
- Baseline bar
- Float bar

An example of BASELINE SCHEDULE is provided in Attachment 3.

The Schedule will be supported with S-curves and Manpower Histograms for every work package, work unit and sub-work units wherever necessary and agreed. If schedule slippages occur during the Project, CONTRACTOR shall produce more detailed curves if requested.

5.4.6 S-curves

For each Work Package, Work Unit and for the Sub-work units which require to do so, a separate S-curve will be issued.

The development of progress S-curves shall be based on Master Document Register (in particular on Design Documents List), Procurement Plan and Schedule where activities are weighted in accordance to the Project WBS. For higher levels (i.e. Work Units Level 1 of the WBS), the weight factors will be based on the economic value in proportion to its cost expressed as a percentage of the CONTRACT PRICE. For lower planning levels it will be mainly managed through the planned man-hours assigned to the specific activities.

Work Unit - Project Management - s-curve will be in constant progressive rise based on an equal monthly progress.

Work Unit – Engineering - s-curve will be extracted from MDR (in particular from Design Documents List). According to the planned dates, weight distribution will be performed to set up an engineering S-curve.

Work Unit – Procurement – CONTRACTOR's SUPPLIES and COMPANY PROVIDED ITEMS will be treated as separate disciplines for the purposes of planning and progress. The s-curve will be derived from Procurement Plan where all items are weighted according to their estimated economic value and weighted progress distributed according to progress steps.

Work Units – Fabrication and Onshore Commissioning & Integrated Testing - s-curve shall be derived from Project BASELINE SCHEDULE and based on man-hours assigned to each activity.

Work Units – T&I and Offshore Hook-up, Commissioning and Start up – s-curve will be based on the nature of the activities that are composing each work unit and sub-unit.

For each Work Unit the s-curve will depict early vs median vs late vs actual s-curve.

Forecast s-curves will be included and updated wherever required on a Monthly basis.

5.4.7 Manpower histogram

Manpower histograms will be produced in order to:

- Highlight the planned level of manpower required in the various periods to face the project needs.
- Compare the planned level of manpower with actual employed on the Project.
- Indicate the forecast level up to project completion.

The following significant histograms will be issued:

- Planned Histograms for Work Packages related to Engineering, Fabrication & Mechanical Completion and Commissioning.

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6 PROJECT PROGRESS MEASUREMENT

6.1 PHISICAL PROGRESS MEASUREMENT & PROGRESS SCALES

In order to monitor the Project status and workload necessary to complete the Project in time, the physical work progress measurement system will be established.

Physical works are considered as all activities where progress can be measured by defining the status of actual physical deliverables. In line with good practice, these are defined as documents for Engineering, purchase items for Procurement and constructible elements for Construction discipline. Management activities and Services are not included in category of physical progress.

The overall Physical progress of Project will be calculated based on the fixed weight factors for the major components of Project as specified below. The fixed weight factors for the Level 1 of WBS (Work Units) are calculated on the basis of price value as per Appendix 1 of Section IV – "Schedule of Prices".

The calculation of weight factor of Level 2 and Level 3 will be done in accordance to the man-hours assigned to the activities of BASELINE SCHEDULE.

The above rules are valid for all the activities except the procurement for which the weight factors are calculated according to the estimated price value.

Here below the proposed fixed weight factor at Level 1 of WBS.

WBS Structure	SCOPE Element	LUMP SUM / REIMBURSABLE SUM [EURO]	LEVEL 1 WEIGHT
Project Management	Project Management	6.526.166	9,71%
	Services to be provided to COMPANY	150.741	
	Financial Guarantees	63.594	
Engineering	Engineering	9.896.322	14,26%
Procurement	Procurement; materials and equipment supply	27.992.684	40,32%
Fabrication	Onshore Fabrication and Assembling	10.016.758	14,43%
Onshore Commissioning & Integrated Testing	Pre-Commissioning, Commissioning and Testing	4.208.035	6,06%
Transportation	Load Out and Transport Readiness and Transportation until Installation (ready for installation)	2.733.514	3,94%
Installation at Project Site	Transport and Installation at PROJECT SITE OFFSHORE LOCATION	4.616.481	6,65%
Offshore Hook-up, Commissioning and Start up	Offshore Hook-up, Commissioning, Integrated Testing and Start up	3.214.863	4,63%
	Total CONTRACT PRICE	**69.419.158**	**100,00%**

Table 3 - Weight Factor at Level 1 of WBS

6.1.1 Work Unit – Project Management

The measurement of progress achieved for this work will follow this rule of Credit:

Description	Cumulative
Project Management	Equal monthly instalments

6.1.2 Work Unit – Engineering

For the purpose of progress monitoring, each design deliverable and activities in the MDR will be assigned with an individual weight based on the budgeted direct man-hours. In order to recognize the actual work, the following rules of credit shall be applied for each design document.

Issue of Class 1 documents – for Approval

Here below the credit rules applied for the all the documents for which is required the approval of COMPANY, they will be defined as Class 1:

Description	Physical Progress Partial	Physical Progress Cumulative	Notes
Document Start	20%	20%	In case of Code 1, Contractor will provide to revise document and issue in AFC, in case of Code 2 and Code 3 Contractor will provide to revise document and re-issue in IFA
Issue for Approval (IFA)	50%	70%	
Approved for Construction (AFC)	30%	100%	

Issue of Class 2 documents – for Review

Here below the credit rules applied for the all the documents for which is required the review of COMPANY, they will be defined as Class 2:

Description	Physical Progress Partial	Physical Progress Cumulative	Notes
Document Start	20%	20%	In case of Code 1 and 2, Contractor will provide to revise document and issue in AFC, in case of Code 3 Contractor will provide to revise document and re-issue in IFR
Issue for Review (IFR)	50%	70%	
Approved for Construction (AFC)	30%	100%	

Issue of Class 3 documents – for Information

Here below the credit rules applied for the all the documents issued for information only, they will be defined as Class 3:

Description	Physical Progress Partial	Physical Progress Cumulative
Issued for Information	100%	100%

Out of the three classes mentioned above, different specific rules of credit may be agreed between COMPANY and CONTRACTOR in order to monitor other specific documents.

DDL (Design Document List) shall be used to monitor the status of DD. DDL is part of the MDR in which is clearly visible status of each DD deliverable. Based on document status, the cumulative progress is assigned to each document and a total progress is calculated. The cumulative progress achieved shall be rolled up to the WBS Level 1 Work Unit and then WBS Level 2 Sub-Work Unit of the Schedule, thus creating a dedicated actual S-curve. Actual S curve obtained in this way shall be reported in the weekly and monthly reports. The same method will be applied also for Engineering Load out, T&I and As-built Documentation Sub-Work Unit.

The progress of the Sub-Work Unit - Engineering support during fabrication – will be calculated based on the quantity included in the construction drawings issued vs the estimated overall quantity.

6.1.3 Work Unit – Procurement

For the purpose of progress monitoring, each purchase order in Procurement Plan will be assigned with an individual weight based on the estimated economic value and represented in percentages.

Procurement Plan shall be used to monitor the status of procurement deliverables using progress. Based on purchase orders status relative progress will be calculated for each item. Each item will have a clear indication of the project BASELINE SCHEDULE activity to which it is rolled up to in a sense that activity ID from the schedule will be assigned to the Procurement Plan item.

An example of Procurement Plan is provided in Attachment 2 of this procedure.

In order to evaluate the progress of the procurement activities, a milestone pattern with a fixed percentage completion will be applied:

Description	Physical Progress Partial	Physical Progress Cumulative
Request for quotation issued	10%	10%
Issue of Vendor quotation	5%	15%
Issue of Purchase Order	20%	35%
Manufacturing & Ex-Works	55%	90%
Transportation & Yard Arrival	10%	100%

The delivery step shall be measured based on the percentage of quantity of material arrived at destination (site) compared to ordered quantity.

The progress of Overall Project Procurement activity will be calculated as the weighted progress of all the Items to be procured.

The cumulative progress achieved shall be rolled up to the WBS Level 1 Work Unit and then WBS Level 2 Sub-Work Unit of the Schedule, thus creating a dedicated actual S-curve. Actual S curve obtained in this way shall be reported in the weekly and monthly reports.

6.1.4 Work Units – Fabrication and Onshore Commissioning & Integrated Testing

The physical progress measurement using earned value method shall be applied in order to calculate earned man-hours at specific DATA DATE as well as estimated man-hours at activity completion and current productivity of work in progress.

The measurement of progress achieved (earned) for construction activities will be calculated by using Construction Progress Monitoring System Database.

Construction Progress Monitoring System Database represents Level V and Level VI details of schedule Level IV activities for the Fabrication Work Unit.

Level V detail is represented by construction elements (marks from drawings).

Level VI detail is represented by rules of credit in accordance to construction phase. The basis for physical work progress will be rules of credit (Level VI) for progress measurement.

Construction Progress Monitoring System Database function is to roll up Level VI in Level V which is rolled up in Level IV.

The base for creation of Construction Progress Monitoring System Database shall be man-hours budget.

Only the direct man-hours will be calculated and reported.

Progress will be measured for each activity on the basis of work performance in accordance to agreed rules.

In order to have a clear and evident status of the project the following items shall be identified:

- Physical progress.
- Planned progress based on budgeted man-hours loaded into Project BASELINE SCHEDULE.
- Earned man-hours & SPI.
- Current forecast of the quantity of man-hours needed to complete the activity.

In order to measure the productivity, the physical progress achieved shall be confronted to the planned man-hours progress.

6.1.4.1 Structural Fabrication

In order to better monitor the progress, CONTRACTOR has identified 2 phases of Structural Works that are:

- Structural Pre-fabrication
- Structural Erection

Man-hours will be assigned to all Level IV elements of above indicated phases. Relative weight between the phases shall be determined by the amount of man-hours for each phase. In order to progress Level IV elements from Construction Progress Monitoring System Database, progress steps (level V) for each type of structural work phase will be applied and are as follows:

Structural Pre-Fabrication:

Description	Physical Progress Partial	Physical Progress Cumulative
Mark & Cut	15%	0% - 15%
Fit Up /Tack Weld	30%	15% - 45%
Full Welding	45%	45% - 90%
NDE / Inspection	10%	90% - 100%

Structural Erection:

Description	Physical Progress Partial	Physical Progress Cumulative
Fit Up	40%	0% - 40%
Full Welding	50%	40% - 90%
NDE / Inspection	10%	90% - 100%

Progress will be assigned to each level VI which is rolled up to Level V and then rolled up to Level IV thus calculating overall progress for each level IV schedule activity. The cumulative progress achieved shall be rolled up to the WBS Level 2 Sub-Work Unit, then WBS Level 1 Work Unit of the Schedule.

6.1.4.2 Equipment Installation (Mechanical and Key Package Integration)

Man-hours will be assigned to all Level IV elements of above indicated phases. In order to progress Level IV elements from Construction Progress Monitoring System Database, progress steps (Level V) for each type of work phase will be applied and are as follows:

Description	Physical Progress Partial	Physical Progress Cumulative
Positioning	50%	50%
Complete Installation	50%	50% - 100%

Note: Complete installation does not include mechanical and E/I connection. These are covered in piping and E/I section.

Progress will be assigned to each level V which is rolled up to Level IV thus calculating overall progress for each level IV schedule activity. The cumulative progress achieved shall be rolled up to the WBS Level 2 Sub Work Unit, then WBS Level 1 Work Unit of the Schedule.

6.1.4.3 Piping Fabrication

In order to better monitor the progress, CONTRACTOR has identified 2 phases of Piping Fabrication Works that are:

- Workshop Pre-fabrication

- Yard Erection

Piping supports shall also be covered in this section.

Relative weight between the phases shall be determined by the amount of man-hours for each phase. Man-hours will be assigned to all Level IV elements of above indicated phases. In order to progress Level IV elements from Construction Progress Monitoring System Database, progress steps (level VI) for each type of structural work phase will be applied and are as follows:

Piping Workshop Pre-Fabrication:

Description	Physical Progress Partial	Physical Progress Cumulative
Mark & Cut	15%	0% - 15%
Fit Up /Tack Weld	30%	15% - 45%
Full Welding	45%	45% - 90%
NDE / Inspection	10%	90% - 100%

Piping Yard Erection:

Description	Physical Progress Partial	Physical Progress Cumulative
Spool Lifting close to final position	20%	0% - 20%
Fit Up	30%	20% - 50%
Full Welding	40%	50% - 90%
NDE / Inspection	10%	90% - 100%

Progress will be assigned to each level VI which is rolled up to Level V and then rolled up to Level IV thus calculating overall progress for each level IV schedule activity. The cumulative progress achieved shall be rolled up to the WBS Level 2 Sub-Work Unit, then WBS Level 1 Work the Schedule.

6.1.4.4 Architectural Works (if applicable)

In order to better monitor progress, CONTRACTOR has identified the necessity to apply different rules of credit for each unit of Level 3 of the WBS depending on type of work. The following major types of work have been identified:

- Insulation
- Doors & Windows
- Walls, Lining, Ceilings and Floors
- Utilities equipment (Bathrooms, Galley equipment, Freezers etc.....)
- Furniture and other loose items
- Signage

Insulation:

Each work element is defined as a constructive element from shop drawing or other relevant project document that requires surface protection by insulation.

Applicable unit of measure for this work package type are square meters of surface where insulation is applied.

In order calculate progress, the following rules of credit (level VI) will be applied and are as follows:

Description	Physical Progress Partial	Physical Progress Cumulative
Preparation	10%	0% - 10%
Application (progressive step based on square metres of work completion)	90%	10% - 100%

Doors and Windows:

Each work element is defined as tagged doors / windows or similar architectural element from shop drawing or other relevant project document.

Applicable unit of measure for this work package type are mass in kilos (tons) or square meters of element depending on which is more suitable. Unit of measure will be agreed by project control responsible persons within project team.

In order to calculate progress, the following rules of credit (level V) will be applied and are as follows:

Description	Physical Progress Partial	Physical Progress Cumulative
Fit Up	70%	0% - 70%
Complete Installation (integrated fixing and sealing)	30%	70% - 100%

Walls, Lining, Ceiling and Floors:

Each work element is defined as walls, lining or ceiling architectural element from shop drawing or other relevant project document.

Applicable unit of measure for this work package type are square meters of element.

In order to calculate progress, the following rules of credit (level VI) will be applied and are as follows:

Description	Physical Progress Partial	Physical Progress Cumulative
Installation (progressive step depending on square meters installed)	0% - 100%	0% - 100%

Utilities equipment, Furniture and loose items:

Each work element is defined as one (1) architectural element from drawings, architectural equipment lists or other relevant project document.

Man-hours will be assigned to all Level IV elements of above indicated phases. In order to progress Level V elements from Construction Progress Monitoring System Database, progress steps (level V) for each type of work phase will be applied and are as follows:

Description	Physical Progress Partial	Physical Progress Cumulative
Positioning	50%	0% - 50%
Complete Installation (integrated fixing and sealing)	50%	50% - 100%

Note: Complete installation does not include mechanical and E/I connection. These are covered in piping and E/I section.

Signage:

Each work element is defined as signs, warning plates or various indications form safety layouts or other relevant project document.

Applicable unit of measure for this work package type are number of items to be installed.

In order to calculate progress of Level IV elements from Construction Progress Monitoring System Database, the following rules of credit (level V) will be applied and are as follows:

Description	Physical Progress Partial	Physical Progress Cumulative
Installation (progressive step depending on number of signs installed)	0% - 100%	0% - 100%

Man-hours will be assigned to all Level IV elements of above indicated phases. Relative weight between the phases shall be determined by the number of man-hours for each phase.

6.1.4.5 Electrical / Instrument and Telecoms Installation

In order to better monitor progress, CONCTRACTOR has identified the necessity to apply different rules of credit for each of the sub work units depending on type of work. The following major types of work have been identified:

- Cable trays installation
- Cable pulling
- Cable connection
- Instruments / electrical fittings installation

The following rules of credit will be applied for each of above mentioned types of work:

Cable Trays:

Description	Physical Progress Cumulative
Cable Trays installation (progressive step based on meters of work completion against planned total meters)	0% - 100%

Cable Pulling:

Description	Physical Progress Cumulative
Cable Pulling (progressive step based on meters of work completion against planned total length)	0% - 90%
Cable Dressing and sealing through transits (MCTs)	90% - 100%

Cable Connection:

Description	Physical Progress Cumulative
Cable Connection (progressive step based on number of connections made against planned number of connections)	0% - 100%

Instruments / Electrical fittings Installation:

Description	Physical Progress Cumulative
Instruments / electrical fittings Installation (progressive step based on number of instruments installed made against planned total number)	0% - 100%

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6.1.4.6 Painting, Piping Insulation, Touch Up (Structural and Piping Fabrication)

CONTRACTOR has identified various rules of credit (progress steps) to be applied for each of the following disciplines:

- Main Painting
- Painting Touch Up
- Piping Insulation

Man-hours will be assigned to all Level IV elements of above indicated disciplines. In order to progress Level IV elements from Construction Progress Monitoring System Database, progress steps (level VI) for each discipline will be applied and are as follows:

Painting:

Description	Physical Progress Cumulative
Preparation	10%
Blast & Prime (progressive step based on square meters of work completion)	10% - 55%
Paint (progressive step based on square meters of work completion)	55% - 100%

Painting Touch Up:

Description	Physical Progress Cumulative
Application (progressive step based on square meters of work completion)	0% - 100%

Piping Insulation:

Description	Physical Progress Cumulative
Preparation	10%
Application (progressive step based on square meters of work completion)	10% - 100%

Man-hours will be assigned to all Level IV elements of above indicated phases. Relative weight between the phases shall be determined by the amount of man-hours for each phase.

6.1.4.7 HVAC (if applicable)

CONTRACTOR has identified various rules of credit (progress steps) to be applied for each of the following disciplines:

- Ducting (Primary and Secondary)
- HVAC Main Equipment
- HVAC Secondary equipment (Dampers etc…)
- HVAC Penetrations
- Fabrication
- Erection

Man-hours will be assigned to all Level IV elements of above indicated disciplines. In order to progress Level IV elements from Construction Progress Monitoring System Database, progress steps (level VI) for each discipline will be applied and are as follows:

Ducting:

Each work element is defined as primary or secondary ducting route.

Applicable unit of measure for this work package type are meters of ducting installed.

In order to calculate progress, the following rules of credit (level VI) will be applied and are as follows:

Description	Physical Progress Partial	Physical Progress Cumulative
Positioning (progressive step depending on meters installed)	30%	0%-30%
Final installation (progressive step depending on meters installed)	70%	70% - 100%

HVAC Main Equipment:

Man-hours will be assigned to all Level IV elements of above indicated phases. In order to progress Level V elements from Construction Progress Monitoring System Database, progress steps (level VI) for each type of work phase will be applied and are as follows:

Description	Physical Progress Partial	Physical Progress Cumulative
Positioning	50%	0% - 50%
Complete Installation	50%	50% - 100%

Note: Complete installation does not include mechanical and E/I connection. These are covered in piping and E/I section.

HVAC Secondary Equipment:

Man-hours will be assigned to all Level IV elements of above indicated phases. In order to progress Level V elements from Construction Progress Monitoring System Database, progress steps (level VI) for each type of work phase will be applied and are as follows:

Description	Physical Progress Partial	Physical Progress Cumulative
Positioning	50%	0% - 50%
Complete Installation	50%	50% - 100%

Note: Complete installation does not include mechanical and E/I connection. These are covered in piping and E/I section.

HVAC Penetrations:

Rules of credit applicable for HVAC fabrication and erection shall be the same as indicated in structural section.

Man-hours will be assigned to all Level IV elements of above indicated phases. Relative weight between the phases shall be determined by the number of man-hours for each phase.

6.1.4.8 Mechanical Completion

Rules of credit to be applied will be based on individual systems completion rolled up to overall Mechanical Completion progress. Relative weight between systems will be based on number of man-hours planned to complete each system. Each system completion will be measured by number of check sheets necessary. The following table shows the example of progress measurement:

WP Description	System Description	Hours Planned	Relative Weight %	Planned No of Check Sheets	Check Sheets Completed	System Progress Earned	Mechanical Completion Progress Earned
Mechanical Completion	Overall	250	100%	300	100		25%x60% + 50%x40% = 35%
	System 1	150	60%	200	50	(50/200)*100=25%	
	System 2	100	40%	100	50	(50/100)*100=50%	

Note: all data in this table are only for example purpose

6.1.4.9 Commissioning & Integrated Testing

Rules of credit to be applied will be based on individual systems Commissioning completion rolled up to overall Commissioning progress. Relative weight between systems will be based on number of man-hours planned to complete each system.

WP Description	System Description	Hours Planned	Relative Weight %	Planned No of Check Sheets	System Completed (YES / NO)	System Progress Earned	Commissioning Progress Earned
Commissioning	Overall	250	100%	300			100%x60% + 0%x40% = 60%
	System 1	150	60%	200	YES	YES = 100%	
	System 2	100	40%	100	NO	NO = 0%	

Note: all data in this table are only for example purpose

Rules of credit to be applied for Integrated Testing to agree with COMPANY based on the specific activities to perform in order to complete the work.

6.2 PROJECT STATUS IDENTIFICATION / ANALYSIS

In order to have an accurate project status CONTRACTOR shall perform the following analysis based on physical progress:

- CPI (Cost Performance Index) – Spent man-hours productivity for the work in progress.
- SPI (Schedule Performance Index) – Schedule performance analysis.

For the monitoring and analysis of SPI and CPI CONTRACTOR has created an intermediate document named Progress Measurement System Database (further referred to as PMS).

6.2.1 Progress Measurement System Database (PMS)

Microsoft excel is used for creation of PMS database. PMS document is a list of all schedule level IV activities rolled up to higher WBS levels.

For each level IV activity PMS calculates the following information:

Period Progress:

- Period Planned %
- Period Planned hours
- Period Earned %
- Period Earned Hours
- Period Spent Hours

Current Cumulative Progress (at present cut-off date):

- Current Cumulative Planned %
- Current Cumulative Planned hours
- Current Cumulative Physical Progress
- Current Cumulative Earned Hours
- Current Cumulative Spent Hours

Previous Period Cumulative Progress (at present cut-off date):

- Previous Period Cumulative Planned %
- Previous Period Cumulative Planned hours
- Previous Period Cumulative Physical Progress
- Previous Period Cumulative Earned Hours
- Previous Period Cumulative Spent Hours

Periodical progress section is a difference from previous period cumulative and current cumulative. Current cumulative section identifies information which is a basis for project status analysis. Current cumulative planned % and hours are a BASELINE SCHEDULE cumulative resource loading report for each construction activity exported to excel spreadsheet thus identifying cumulative planned progress at every cut-off date.

Current cumulative physical progress is a progress calculated via level V and VI (if present) detail database.

6.2.2 Man-hours Productivity

6.2.2.1 SPI

Current cumulative physical progress will be used to calculate the earned budgeted man-hours for all WBS levels.

The following formula shall be applied:

- Earned man-hours = physical progress% x budgeted man-hours

Earned man-hours (physical progress) will be compared with planned man-hours (planned progress) for the period concerned in order to determine the status of the relevant work in respect of the planned. This relation will determine if the relative work is ahead or behind the planned.

The following formula will be applied in order to calculate the schedule performance:

- SPI = earned man-hours / planned man-hours

6.2.2.2 CPI

In order to evaluate the physical progress and spent man-hours productivity for the amount of the work done, CONTRACTOR shall establish an internal man-hours reporting system.

On a weekly basis, CONTRACTOR shall register all direct man-hours spent for the WBS level and will compare them to the earned man-hours. Based on this calculation, a CPI index (productivity) of a work in progress shall be calculated.

The following formula will be applied:

- CPI = earned man-hours / spent man-hours

For construction activities dedicated to CONTRACTOR's site, man-hours reporting shall be dedicated to the level IV activities from Project BASELINE SCHEDULE.

6.2.3 Forecasting / Analysis

6.2.3.1 Forecasting

Based on spent man-hours and remaining physical work, a forecast of man-hours necessary to complete the activity will be made using the following formula:

- Estimated man-hours at completion (EAC) = ((budget man-hours (BAC) – earned value man-hours (EV)) / CPI) + actual spent man-hours

Physical progress achieved (calculated in level V and VI detail database), cumulative spent man-hours and man-hours at completion shall be inserted in each Project Schedule level IV activity for the current weekly updates of the schedule.

A forecast to completion histogram will be extracted from current Project Schedule.

6.2.3.2 Analysis

Upon SPI, CPI and EAC calculations will have been performed, such man-hours / progress report (PMS) will be presented to project management.

The project control function is to inform management of the parameters obtained using above stated methods in order to determine if and what corrective actions shall be applied. The example of PMS report is shown in Attachment 4 of this procedure.

6.3 COMPANY PROVIDED ITEMS (CPIS)

COMPANY Provided Items (CPIS) are defined by the CONTRACT in Section XIII and are fully integrated in the BASELINE SCHEDULE starting from the delivery dates expected.

Here below the Item description with the relevant expected delivery dates:

Item Description	Expected Delivery Date
Electrolyser Package	15th August 2024
Battery Electric Storage Package	30th May 2024
Fuel Cell Package	30th May 2024
ICCP Panel	TO BE AGREED but before 30th April 2024

Detailed information received from COMPANY:

Electrolyser Package n.3 x 40 ft Containers (Upper Deck)

Battery Electric Storage Package n.2 x 40 ft + n.1 x 20 ft Containers (Lower Deck)

Fuel Cell Package n.1 x 40 ft + n.1 x 10 ft Containers + n.1 Cooling Platform (Upper Deck)

ICCP Panel (TBD)

COMPANY shall free issue Engineering Data developed by OTHER CONTRACTOR to the CONTRACTOR. The timelines for this Engineering Data transfer shall be agreed between the PARTIES within 45 days of the EFFECTIVE DATE.

7 REPORTING

During Project execution and in accordance with the Project Calendar, the following reports shall be issued:

- Monthly Report
- Weekly Report
- Daily Report

7.1 PROJECT CALENDAR

Project Calendar also determine the cut-off and issue date for all the Project Control reporting during the execution of the Project.

Project Calendar can be seen in Attachment 5 of this procedure.

7.2 MONTHLY PROJECT MANAGEMENT REPORT

The CONTRACTOR shall prepare and produce at the end of each project month the monthly reports on the status of the WORK. The reports shall contain details of all progress and activities up to and including the end of the project month. The reports shall be issued to COMPANY within the fifth working day after the monthly cut-off.

The cut-off date of the monthly project management reports shall be the last Friday of each month.

The report shall contain as minimum the following sections:

(i) Headings & Distribution list

(ii) Executive Summary (Including highlights for the reported period and any CONTRACTORS or SUBCONTRACTOR issues and concerns)

(iii) Health, Safety, Security & Environment & Social Performance, as per SECTION VIII requirements

(iv) Discipline Summary (e.g. Mobilization, Engineering, Contracting & Procurement, Fabrication (incl. Mechanical Completion), Commissioning, T&I)

(v) Monthly Cost Report

(vi) Planning section, including the latest updated Level IV schedule (evidencing baseline dates, latest forecast and actual dates) and a narrative section summarizing Key updates (achieved milestones, completed activities, any delays or changes in dates) and 30/60 Days Lookahead section (table or snapshot from the schedule)

(vii) Top risks (threats and opportunities), owners, actions to address them and status of actions

(viii) Manpower Histograms (Planned vs. Actual)

(ix) Progress Photos

(x) Attachments (PMS, progress s-curves showing planned, actual and forecast curves, MDR, Contracting & Procurement Plan, Fabrication Work Packages, deliverables status, correspondence register, technical queries and technical deviation request status)

Prior to the preparation of the report a full analysis of the project schedule is to be performed. The analysis will be based on remaining duration for each activity and a complete critical path analysis generated.

Final format and content of monthly report will be subjected to agreement between COMPANY and CONTRACTOR.

7.3 WEEKLY REPORT

CONTRACTOR will submit to COMPANY Weekly reports no later than noon (12:00 p.m.) on the second calendar working day following the cut-off date. The Weekly reports will contain the following:

(i) Significant achievements during the reported period and concerns

(ii) Deviations from planned progress (measured against the Schedule)

(iii) Progress made

(iv) Engineering Procurement and Fabrication progress report including s-curves

(v) Key quantity tracking (for reimbursable quantities)

(vi) KPI monitoring

(vii) Manpower Histograms (Planned vs. Actual)

(viii) Activities planned for the next period

(ix) Any outstanding COMPANY actions or deliverables

7.4 DAILY REPORT

During performance of work at any construction site, in a fabrication yard, offshore or in the field, CONTRACTOR will submit to COMPANY daily reports for each such WORKSITE no later than the close of business of the working day following the day covered by the report. Daily reports will contain:

(i) Weather conditions / site conditions and Metocean conditions

(ii) Man-power by discipline / people on Board, in camp and availability of beds, when applicable

(iii) Logistics, number of transportations from and to site (only for offshore)

(iv) Construction main equipment at worksite

(v) Any lost or non-productive time based on categories as agreed with COMPANY including cumulative lost time by category

(vi) Health and Safety issues if any

(vii) Any outstanding COMPANY actions (only for offshore)

(viii) Any third parties present on worksite in connection with the work

(ix) Issues and concerns, their consequences and corrective action proposed or taken (only for offshore)

The scope of activities reported in Daily report will be in line with the WBS agreed between COMPANY and CONTRACTOR.

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy.

8 COST MANAGEMENT

8.1 SCOPE

The aim of the cost management is to monitor the performance of the Project in terms of adherence to the budget and to anticipate possible deviation to the initial schedule of payments.

In order to make this effective, during Project execution and in accordance with the article 9 of Section VIIB of the CONTRACT, CONTRACTOR shall prepare and produce the following reports as attachment of the:

- Overview of the various scope elements in the CONTRACT, cost highlights and concerns
- Invoicing and Cash Calls Plan
- Invoicing Register
- Value of Work Done (VOWD)
- Summary man-hours report for Engineering (ref. Target engineering hours mechanism)
- Variation Request and Order register

In addition to what above, for reimbursable elements CONTRACTOR shall produce:

- Summary man-hour report by discipline
- Summary cost and commitment report (including cost and time estimated and resources required)
- Procurement Summary

To better manage and control the budget of the Project the whole scope of work has been divided into manageable packages following the Work Breakdown Structure (WBS) agreed by the Parties.

8.2 INVOICING PROTOCOL TO PROVIDE A CONSISTENT INVOICING AND CASH CALLS PLAN

In order to provide an Invoicing and Cash Calls Plan as close as possible to the actual allocation of invoicing and payments, the following invoicing protocol is in place:

- CONTRACTOR to issue within the fifth working day of the month an Interim Payment Application (IPA) to COMPANY with specified the MILESTONES achieved, the progress achieved, the reimbursable progress achieved and the variation (if any) progress achieved including all the supporting documentation necessary to justify the applications.
- COMPANY to issue within the tenth working day after the receipt of the IPA an Interim Payment Certificate (IPC) specifying, in case of disagreeing, why CONTRACTOR is not entitled to a certain payment.
- CONTRACTOR to issue an invoice in line with the IPC received from COMPANY. The rejected amount will be discussed and in case resubmitted before the issuance of the next IPA.
- COMPANY to pay CONTRACTOR within 30 days after receipt of the invoice supported by signed IPC.

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy.

9 RISK MANAGEMENT

9.1 SCOPE

The main scope of Risk management is to improve the Project performance by managing uncertainties that could affect the Project results in terms of quality, cost and schedule. To this purpose, the Risk management provides a structured way of dealing with future uncertainties and helps project management to take decisions based on the project alternatives. The Risk management approach starts within the proposal phase and continues during the project execution phase.

Risk Management Plan is designed to:

a) Identify and evaluate risk elements which may have an adverse impact on Project objectives.

b) Develop and implement alternative plans to appropriately mitigate the impact of each risk element to the achievement of Project objectives.

c) Identifies possible opportunities to improve Project targets.

d) Develop and implement maximization plans to pursue the opportunities and achieve the expected results.

e) Assess Project BASELINE SCHEDULE to manage schedule uncertainties.

9.2 RISK MANAGEMENT PROCESS

The Risk management process is lead under the responsibility of the CONTRACTOR, which defines the guidelines and strategies to be implemented throughout the project execution phases. In particular this process:

- Is not finalized to the complete cancellation of risks.
- Involves a structured process aimed at identifying risks and opportunities through early analysis.
- Is developed tracking and updating risk records, managing the efforts required to reduce the potential impact or probability, ensuring that action plans are in place, should the event occur.
- Is developed tracking and updating opportunities records, managing the efforts required to maximize the potential impact or probability, ensuring that action plans are in place, should the event occur.

The Project Risk management process consists of four Sub-processes that shall be conducted seamless and periodically during the project life and defined in this Risk Management plan.

These sub-processes are:

- Identification;
- Evaluation;
- Mitigation/Maximization;
- Management.

The combination of the identification and evaluation is named Risk Assessment.

The whole process is aimed to reduce risks to acceptable levels and to maximize the opportunities, adopting suitable solutions in the design and appropriate project execution strategies.

The Risk Management Process falls under the responsibility of Project Manager assisted by the Risk & Opportunities Engineer.

9.2.1 Identification

Risk identification is approached in a methodical way during dedicated Risk Assessment Workshop (RAW) and Risk Review Meetings (RRM).

At early stage of the Project (usually not later than ninety (90) days from the Project commencement date), CONTRACTOR shall hold a RAW with its Key personnel.

To ensure a good preparation of the RAW, the Risk & Opportunities Engineer sends to all attendees the preparatory documents such as:

- Risk identification check list.
- The agenda and objective of the RAW.
- Risk register developed during tender phase (if available).
- Risk register developed during previous RAW (for subsequent RAWs).

During the RAW, the risks associated with Project will be identified according to check lists and the Risk Work Breakdown Structure as shown in the Attachment 6. An analysis of the event, of the cause and of the consequences of each risk on the Project result in terms of quality, cost and schedule will be performed during the RAW. The risks individuate as described above will be rated according to the process described in the paragraph 9.2.2.

9.2.2 Evaluation

During the RAW and/or further RRM each identified risk is evaluated in terms of:

- Impact.
- Probability.

The evaluated parameter is:

Risk Criticality = Probability x Impact

The probability as well as the impact of the occurrence is assessed as per the corresponding Risk Criticality Matrix here below.

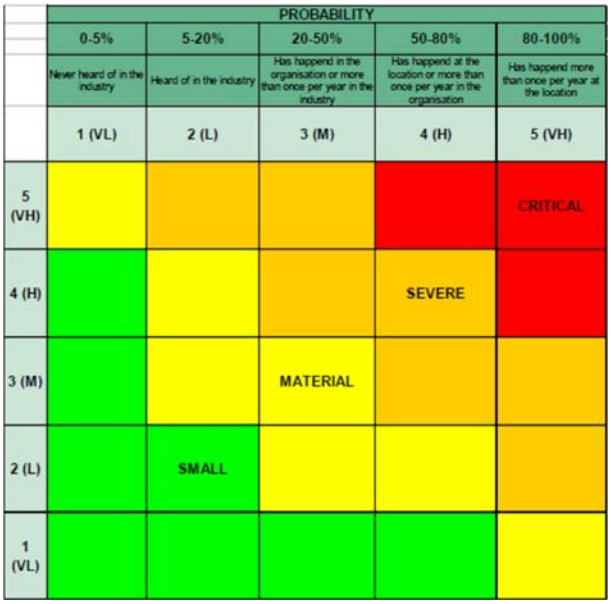


Figure 5 - Risk Criticality Matrix

Risk Criticality is the base element for deciding mitigation strategy as per paragraph 9.2.3 below.

The result of this step is updated and logged within Risk Register.

9.2.3 Mitigation

For each identified risk, a mitigation strategy shall be defined among the following:

- Tolerate (acceptable risk).
- Terminate (eliminate origin or consequences of the risk).
- Transfer (to another party).
- Treat (put in place mitigation actions according to a mitigation plan).

In relation to risks for which a "Treat" or "Transfer" strategy is selected, a mitigation plan is defined and an Owner is appointed by the Project Manager to deal with that risk.

The Risk Owner will be identified as the most capable person to deal with that risk.

The responsibility of the Risk Owner will be to design the Mitigation Plan and to manage the mitigation actions to be implemented within its target date for completion.

Project Manager is in charge to follow-up all the process.

9.2.4 Managing

Managing of the whole process is performed through regular RAWs/RRMs, with the objective of continuously reassessing risks, anticipating new risks, following-up mitigation actions.

RRMs will be held regularly and particularly after following key events:

- Model Review/Constructability Session.

- Significant Project changes of Project scope and/or schedule.
- Major Contractual issues.

The process is managed with a Rosetti spread sheet called "Risk Register". It allows the users to manage the risks from the beginning to their closure in terms of Risk Assessment, mitigation plan, etc.

The Risk Register is issued after completion of the RAW and is revised and maintain continuously during the Project life.

The mitigation plan is issued after its finalization by the Risk Owner and approved by Project Manager.

The mitigation plan shall be revised in case of significant changes on the risk.

10 MANAGEMENT OF CHANGE

10.1 INTRODUCTION

Management of Change is regulated by article 8 of Section IIIA of the CONTRACT and in case a change is necessary, a Variation Order shall agreed and signed off before any work connected to the change is conducted by CONTRACTOR.

10.2 SUBMISSION AND APPROVAL PROCESS

The following submission and approval process is in place in case of change:

- CONTRACTOR to notify COMPANY within 7 days after the first occurrence of the instruction, proposal, circumstance or event that CONTRACTOR contends gives rise to Variation Order.
- CONTRACTOR to issue a preliminary Variation Request to COMPANY within 14 days after the first occurrence of the instruction, proposal, circumstance or event that CONTRACTOR contends gives rise to Variation Order.
- CONTRACTOR to issue a final and complete Variation Request to COMPANY within 30 days after the first occurrence of the instruction, proposal, circumstance or event that CONTRACTOR contends gives rise to Variation Order unless the PARTIES agree to another number of days.
- COMPANY to review and accept or reject the Variation Request within 30 days after the receipt of final and complete Variation Request issued by CONTRACTOR. COMPANY may also extend the review period if necessary.

In case of acceptance:

i) CONTRACTOR to issue Variation Order in line with Variation Request accepted by COMPANY

In case of rejection:

i) COMPANY will inform CONTRACTOR that in its opinion the instructions or proposal by COMPANY is not generating a revision of SCOPE or COMPANY doesn't wish to pursue the proposed revision of SCOPE

ii) COMPANY will inform CONTRACTOR that in its opinion the event occurred doesn't entitle CONTRACTOR to an adjustment of the CONTRACT PRICE and/or SCHEDULE OF KEY DATES

iii) COMPANY will instruct CONTRACTOR to reissue the Variation Request specifying the reasons why.

iv) COMPANY will issue a Variation Order in which COMPANY determines the adjustment of SCOPE, CONTRACT PRICE and SCHEDULE OF KEY DATES itself.

A Variation Requests and Variation Orders register will be prepared by CONTRACTOR and attached to the Monthly Cost Report.

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11 ATTACHMENTS

Attachment 1 – Example of Master Document Register (MDR)

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy.

DESIGN DOCUMENT LIST (DDL)

Cut-off date: **28/06/19**

RELATIVE WEIGHTS		E&P FORECAST 17/01/19 EVENTS UP TO THE CUT-OFF DATE						ACTUAL EVENTS UP TO THE CUT-OFF DATE						ACTUAL PROGRESS		PLANNED PROGRESS		FORECAST PROGRESS	
106.162	100,00%	1.138	948	86	801	107	95	1.137	926	89	794	102	94	82.400,7	77,62%	94.435	88,95%	79.370	74,76%
		10,00%	50,00%	50,00%	100,00%	50,00%	100,00%												

Legend:
- 17/01/2019 re-Forecast Date Expired
- 17/01/2019 BL Planned or Forecast E&P Date Expired
- 17/01/2019 re-Forecast Date Expired 2WLA
- 17/01/2019 Actual Date different from re-Forecast

Business Unit	Area/Asset	Originator	Function	Discipline	Document Class	Sequence Number	REVISION CODE	CLIENT DOC NUMBER	SUPPLIER / CUSTOMER	DOCUMENT TITLE	DOCUMENT WEIGHT [hrs]	DOCUMENT WEIGHT [%]	FORECAST DATES (E&P 31/05/2019) STR - Start	IFR - Issue for Review	IFD - Issue for Design	AFC - Approved for Construction	IFI - Issued for Information	FFI - Final for Information	RE-FORECAST DATES STR - Start	IFR - Issue for Review	IFD - Issue for Design	AFC - Approved for Construction	IFI - Issued for Information	FFI - Final for Information	ACTUAL DATES STR - Start	IFR - Issue for Review	IFD - Issue for Design	AFC - Approved for Construction	IFI - Issued for Information	FFI - Final for Information	Phisical Progress	Document Earned Weight [Hours]	Total Progress Percentage [%]	Document Planned Weight [Hours]	Total Progress Percentage [%]	Document Forecast Weight [Hours]	Total Progress Percentage [%]	P6 CODE
											h	%	STR	IFR	IFD	AFC	IFI	FFI	STR	IFR	IFD	AFC	IFI	FFI	STR	IFR	IFD	AFC	IFI	FFI	%	h	%	h	%	h	%	
AB	TO	ROS	TE	PR	BD	0001	C01	AB-TO-ROS-TE-PR-BD-0001	BASIS ENGINEERING SRL	PROCESS AND UTILITY SYSTEMS DESIGN BASIS	150	0,14%	15/06/18	21/06/18	18/07/18	05/09/18			15/06/18	21/06/18	18/07/18	05/09/18			15/06/18	21/06/18	18/07/18	05/09/18			100,00%	150,00	100,00%	150,00	100,00%	150,00	100,00%	TPEGPR2000
AB	TO	ROS	TE	PR	CA	0001	A01	AB-TO-ROS-TE-PR-CA-0001	BASIS ENGINEERING SRL	PROCESS SAFETY TIME CALCULATIONS	600	0,57%	28/01/19	21/06/19		19/07/19			28/01/19	19/07/19		09/08/19			28/01/19						49,50%	297,00	49,50%	596,57	99,43%	376,66	62,78%	TPEGPR2170
AB	TO	ROS	TE	PR	DA	0001	C02	AB-TO-ROS-TE-PR-DA-0001	BASIS ENGINEERING SRL	PROCESS DATA SHEET PRODUCTION SEPARATOR	40	0,04%	28/05/18	28/09/18		23/11/18			28/05/18	28/09/18		23/11/18			28/05/18	28/09/18		23/11/18			100,00%	40,00	100,00%	40,00	100,00%	40,00	100,00%	TPEGPR2155
AB	TO	ROS	TE	PR	DA	0002	C02	AB-TO-ROS-TE-PR-DA-0002	BASIS ENGINEERING SRL	PROCESS DATA SHEET PRODUCED WATER DEGASSER	40	0,04%	28/05/18	28/09/18		22/11/18			28/05/18	28/09/18		22/11/18			28/05/18	28/09/18		22/11/18			100,00%	40,00	100,00%	40,00	100,00%	40,00	100,00%	TPEGPR2155
AB	TO	ROS	TE	PR	DA	0003	C01	AB-TO-ROS-TE-PR-DA-0003	BASIS ENGINEERING SRL	PROCESS DATA SHEET PRODUCED WATER TREATMENT PACKAGE	30	0,03%	28/05/18	28/09/18		28/11/18			28/05/18	28/09/18		28/11/18			28/05/18	28/09/18		28/11/18			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2155
AB	TO	ROS	TE	PR	DA	0004	C02	AB-TO-ROS-TE-PR-DA-0004	BASIS ENGINEERING SRL	PROCESS DATA SHEET SPHERE LAUNCHER	30	0,03%	20/08/18	28/09/18		22/11/18			20/08/18	28/09/18		22/11/18			20/08/18	28/09/18		22/11/18			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2155
AB	TO	ROS	TE	PR	DA	0005	C01	AB-TO-ROS-TE-PR-DA-0005	BASIS ENGINEERING SRL	PROCESS DATA SHEET FUEL GAS CONDITIONING PACKAGE	30	0,03%	20/08/18	28/09/18		26/11/18			20/08/18	28/09/18		26/11/18			20/08/18	28/09/18		26/11/18			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2155
AB	TO	ROS	TE	PR	DA	0006	C01	AB-TO-ROS-TE-PR-DA-0006	VITALE - PROCESS ENGINEERING	PROCESS DATA SHEET CHEMICAL INJECTION PACKAGE	30	0,03%	10/09/18	12/10/18		04/12/18			10/09/18	12/10/18		04/12/18			10/09/18	12/10/18		04/12/18			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2160
AB	TO	ROS	TE	PR	DA	0007	C02	AB-TO-ROS-TE-PR-DA-0007	VITALE - PROCESS ENGINEERING	PROCESS DATA SHEET METHANOL INJECTION PACKAGE	30	0,03%	10/09/18	10/10/18		29/11/18			10/09/18	10/10/18		29/11/18			10/09/18	10/10/18		29/11/18			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2160
AB	TO	ROS	TE	PR	DA	0008	C01	AB-TO-ROS-TE-PR-DA-0008	VITALE - PROCESS ENGINEERING	PROCESS DATA SHEET SERVICE WATER STORAGE TANK	30	0,03%	10/09/18	15/11/18		18/01/19			10/09/18	15/11/18		18/01/19			10/09/18	15/11/18		18/01/19			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2160
AB	TO	ROS	TE	PR	DA	0009	C02	AB-TO-ROS-TE-PR-DA-0009	VITALE - PROCESS ENGINEERING	PROCESS DATA SHEET VENT / CLOSED DRAIN SYSTEM	30	0,03%	10/09/18	30/11/18		18/01/19			10/09/18	30/11/18		18/01/19			10/09/18	30/11/18		18/01/19			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2160
AB	TO	ROS	TE	PR	DA	0010	C01	AB-TO-ROS-TE-PR-DA-0010	VITALE - PROCESS ENGINEERING	PROCESS DATA SHEET DIESEL TANK AND SYSTEM	30	0,03%	10/09/18	20/11/18		18/01/19			10/09/18	20/11/18		18/01/19			10/09/18	20/11/18		18/01/19			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2160
AB	TO	ROS	TE	PR	DA	0011	C01	AB-TO-ROS-TE-PR-DA-0011	VITALE - PROCESS ENGINEERING	PROCESS DATA SHEET CONTROL VALVES	30	0,03%	10/09/18	08/10/18		18/01/19			10/09/18	08/10/18		18/01/19			10/09/18	08/10/18		18/01/19			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2160
AB	TO	ROS	TE	PR	DA	0012	C01	AB-TO-ROS-TE-PR-DA-0012	VITALE - PROCESS ENGINEERING	PROCESS DATA SHEET SAFETY VALVES	40	0,04%	10/09/18	10/10/18		18/01/19			10/09/18	10/10/18		18/01/19			10/09/18	10/10/18		18/01/19			100,00%	40,00	100,00%	40,00	100,00%	40,00	100,00%	TPEGPR2160
AB	TO	ROS	TE	PR	DA	0013	C01	AB-TO-ROS-TE-PR-DA-0013	BASIS ENGINEERING SRL	PROCESS DATA SHEET ESD AND ON/OFF VALVES	20	0,02%	10/09/18	19/10/18		26/11/18			10/09/18	19/10/18		26/11/18			10/09/18	19/10/18		26/11/18			100,00%	20,00	100,00%	20,00	100,00%	20,00	100,00%	TPEGPR2160
AB	TO	ROS	TE	PR	DA	0014	C01	AB-TO-ROS-TE-PR-DA-0014	VITALE - PROCESS ENGINEERING	PROCESS DATA SHEET RESTRICTION ORIFICES	40	0,04%	10/09/18	25/10/18		06/12/18			10/09/18	25/10/18		06/12/18			10/09/18	25/10/18		06/12/18			100,00%	40,00	100,00%	40,00	100,00%	40,00	100,00%	TPEGPR2160
AB	TO	ROS	TE	PR	DI	0001	C01	AB-TO-ROS-TE-PR-DI-0001	CESCOR	MATERIAL SELECTION DIAGRAM	100	0,09%	15/06/18	21/06/18	25/07/18	29/10/18			15/06/18	21/06/18	25/07/18	29/10/18			15/06/18	21/06/18	25/07/18	29/10/18			100,00%	100,00	100,00%	100,00	100,00%	100,00	100,00%	TPEGPR2010
AB	TO	ROS	TE	PR	DI	0002	C01	AB-TO-ROS-TE-PR-DI-0002	BASIS ENGINEERING SRL	OFFSHORE SHUTDOWN HIERARCHY DIAGRAM	150	0,14%	03/09/18	12/10/18	22/02/19	21/06/19			03/09/18	12/10/18	22/02/19	21/06/19			03/09/18	12/10/18	22/02/19	21/06/19			100,00%	150,00	100,00%	150,00	100,00%	148,88	99,25%	TPEGPR2020
AB	TO	ROS	TE	PR	HM	0001	C01	AB-TO-ROS-TE-PR-HM-0001	BASIS ENGINEERING SRL	HEAT AND MATERIAL BALANCE SHEETS	180	0,17%	28/05/18	18/06/18		03/08/18			28/05/18	18/06/18		03/08/18			28/05/18	18/06/18		03/08/18			100,00%	180,00	100,00%	180,00	100,00%	180,00	100,00%	TPEGPR2030
AB	TO	ROS	TE	PR	LS	0001	C01	AB-TO-ROS-TE-PR-LS-0001	BASIS ENGINEERING SRL	UTILITIES LOAD LIST	40	0,04%	21/09/18	21/12/18	01/02/19	10/05/19			21/09/18	21/12/18	01/02/19	10/05/19			21/09/18	21/12/18	01/02/19	10/05/19			100,00%	40,00	100,00%	40,00	100,00%	40,00	100,00%	TPEGPR2050
AB	TO	ROS	TE	PR	LS	0002	C01	AB-TO-ROS-TE-PR-LS-0002	BASIS ENGINEERING SRL	LIST OF SAFETY DEVICES	20	0,02%	21/09/18	12/02/19	27/03/19	03/05/19			21/09/18	12/02/19	27/03/19	03/05/19			21/09/18	12/02/19	27/03/19	03/05/19			100,00%	20,00	100,00%	20,00	100,00%	20,00	100,00%	TPEGPR2050
AB	TO	ROS	TE	PR	MN	0002	A01	AB-TO-ROS-TE-PR-MN-0002	VITALE - PROCESS ENGINEERING	OPERATING AND START UP MANUAL PROCESS (WELLHEADS / MANIFOLD / PRODUCTION SEPARATOR / EXPORT LINE)	100	0,09%	20/05/19	19/07/19	02/08/19	06/09/19			20/05/19	19/07/19	02/08/19	06/09/19			20/05/19						25,00%	25,00	25,00%	64,98	64,98%	24,87	24,87%	TPEGPR2140
AB	TO	ROS	TE	PR	MN	0003	A01	AB-TO-ROS-TE-PR-MN-0003	BASIS ENGINEERING SRL	OPERATING AND START UP MANUAL PROCESS WATER TREATMENT SYSTEM, DEGASSER AND TREATED WATER DISCHARGE	100	0,09%	14/09/19	14/10/19	15/11/19	16/12/19			14/09/19	14/10/19	15/11/19	16/12/19										-		100,00	100,00%	-		TPEGPR2140
AB	TO	ROS	TE	PR	MN	0004	A01	AB-TO-ROS-TE-PR-MN-0004	VITALE - PROCESS ENGINEERING	OPERATING AND START UP MANUAL VENT AND CLOSED / OPEN DRAINS SYSTEM	100	0,09%	20/05/19	22/07/19	26/08/19	20/09/19			20/05/19	22/07/19	26/08/19	20/09/19			20/05/19						22,50%	22,50	22,50%	100,00	100,00%	22,11	22,11%	TPEGPR2140
AB	TO	ROS	TE	PR	MN	0005	A01	AB-TO-ROS-TE-PR-MN-0005	BASIS ENGINEERING SRL	OPERATING AND START UP MANUAL CHEMICAL INJECTION PACKAGE	80	0,08%	08/07/19	02/08/19	06/09/19	04/10/19			08/07/19	02/08/19	06/09/19	04/10/19										-		74,07	92,59%	-		TPEGPR2140
AB	TO	ROS	TE	PR	MN	0006	A01	AB-TO-ROS-TE-PR-MN-0006	BASIS ENGINEERING SRL	OPERATING AND START UP MANUAL METHANOL INJECTION PACKAGE	80	0,08%	15/07/19	26/08/19	27/09/19	31/10/19			15/07/19	26/08/19	27/09/19	31/10/19										-		49,91	62,38%	-		TPEGPR2140
AB	TO	ROS	TE	PR	MN	0007	A01	AB-TO-ROS-TE-PR-MN-0007	VITALE - PROCESS ENGINEERING	OPERATING AND START UP MANUAL DIESEL SYSTEM	80	0,08%	01/07/19	09/08/19	02/09/19	27/09/19			01/07/19	09/08/19	02/09/19	27/09/19										-		20,74	25,93%	-		TPEGPR2140
AB	TO	ROS	TE	PR	MN	0008	A01	AB-TO-ROS-TE-PR-MN-0008	BASIS ENGINEERING SRL	OPERATING AND START UP MANUAL FUEL GAS PACKAGE	100	0,09%	22/07/19	08/08/19	30/08/19	20/09/19			22/07/19	08/08/19	30/08/19	20/09/19										-		1,97	1,97%	-		TPEGPR2140
AB	TO	ROS	TE	PR	MN	0009	A01	AB-TO-ROS-TE-PR-MN-0009	BASIS ENGINEERING SRL	OPERATING AND START UP MANUAL GAS GENERATOR SYSTEM AND EXTINGUISHING SYSTEM	80	0,08%	05/08/19	23/08/19	20/09/19	25/10/19			05/08/19	23/08/19	20/09/19	25/10/19										-		-		-		TPEGPR2140
AB	TO	ROS	TE	PR	MN	0010	A01	AB-TO-ROS-TE-PR-MN-0010	BASIS ENGINEERING SRL	OPERATING AND START UP MANUAL DIESEL GENERATORS SYSTEM AND EXTINGUISHING SYSTEM	80	0,08%	26/08/19	20/09/19	25/10/19	22/11/19			26/08/19	20/09/19	25/10/19	22/11/19										-		-		-		TPEGPR2140
AB	TO	ROS	TE	PR	MN	0011	A01	AB-TO-ROS-TE-PR-MN-0011	VITALE - PROCESS ENGINEERING	OPERATING AND START UP MANUAL SERVICE WATER SYSTEM	60	0,06%	23/09/19	25/10/19	22/11/19	16/12/19			23/09/19	25/10/19	22/11/19	16/12/19										-		-		-		TPEGPR2140
AB	TO	ROS	TE	PR	PD	0001	C01	AB-TO-ROS-TE-PR-PD-0001	BASIS ENGINEERING SRL	PID - CHEMICAL INJECTION SYSTEM	150	0,14%	03/08/18	14/09/18	31/01/19	12/04/19			03/08/18	14/09/18	31/01/19	12/04/19			03/08/18	14/09/18	31/01/19	12/04/19			100,00%	150,00	100,00%	150,00	100,00%	150,00	100,00%	TPEGPR2050
AB	TO	ROS	TE	PR	PD	0002	C01	AB-TO-ROS-TE-PR-PD-0002	BASIS ENGINEERING SRL	PID - DIESEL SYSTEM	150	0,14%	03/08/18	14/09/18	31/01/19	06/05/19			03/08/18	14/09/18	31/01/19	06/05/19			03/08/18	14/09/18	31/01/19	06/05/19			100,00%	150,00	100,00%	150,00	100,00%	150,00	100,00%	TPEGPR2050
AB	TO	ROS	TE	PR	PD	0003	C02	AB-TO-ROS-TE-PR-PD-0003	BASIS ENGINEERING SRL	PID: EXPORT RISER AND SPHERE LAUNCHER	150	0,14%	15/06/18	13/07/18	26/10/18	31/01/19			15/06/18	13/07/18	26/10/18	31/01/19			15/06/18	13/07/18	26/10/18	31/01/19			100,00%	150,00	100,00%	150,00	100,00%	150,00	100,00%	TPEGPR2040
AB	TO	ROS	TE	PR	PD	0005	C02	AB-TO-ROS-TE-PR-PD-0005	BASIS ENGINEERING SRL	PID: FUEL GAS CONDITIONING SYSTEM	150	0,14%	15/06/18	09/07/18	24/10/18	01/02/19			15/06/18	09/07/18	24/10/18	01/02/19			15/06/18	09/07/18	24/10/18	01/02/19			100,00%	150,00	100,00%	150,00	100,00%	150,00	100,00%	TPEGPR2040
AB	TO	ROS	TE	PR	PD	0007	C02	AB-TO-ROS-TE-PR-PD-0007	BASIS ENGINEERING SRL	PID: LEGEND SHEET	150	0,14%	15/06/18	06/07/18	16/10/18	25/01/19			15/06/18	06/07/18	16/10/18	25/01/19			15/06/18	06/07/18	16/10/18	25/01/19			100,00%	150,00	100,00%	150,00	100,00%	150,00	100,00%	TPEGPR2040
AB	TO	ROS	TE	PR	PD	0008	C01	AB-TO-ROS-TE-PR-PD-0008	BASIS ENGINEERING SRL	PID - METHANOL SYSTEM	150	0,14%	03/08/18	14/09/18	01/02/19	12/04/19			03/08/18	14/09/18	01/02/19	12/04/19			03/08/18	14/09/18	01/02/19	12/04/19			100,00%	150,00	100,00%	150,00	100,00%	150,00	100,00%	TPEGPR2050
AB	TO	ROS	TE	PR	PD	0009	C02	AB-TO-ROS-TE-PR-PD-0009	BASIS ENGINEERING SRL	PID: PRODUCED WATER DEGASSER AND DISCHARGE CAISSON	150	0,14%	15/06/18	09/07/18	24/10/18	29/01/19			15/06/18	09/07/18	24/10/18	29/01/19			15/06/18	09/07/18	24/10/18	29/01/19			100,00%	150,00	100,00%	150,00	100,00%	150,00	100,00%	TPEGPR2040
AB	TO	ROS	TE	PR	PD	0010	C02	AB-TO-ROS-TE-PR-PD-0010	BASIS ENGINEERING SRL	PID: PRODUCED WATER SYSTEM	150	0,14%	15/06/18	09/07/18	24/10/18	29/01/19			15/06/18	09/07/18	24/10/18	29/01/19			15/06/18	09/07/18	24/10/18	29/01/19			100,00%	150,00	100,00%	150,00	100,00%	150,00	100,00%	TPEGPR2040
AB	TO	ROS	TE	PR	PD	0011	C02	AB-TO-ROS-TE-PR-PD-0011	BASIS ENGINEERING SRL	PID: PRODUCTION SEPARATOR	150	0,14%	15/06/18	09/07/18	24/10/18	25/01/19			15/06/18	09/07/18	24/10/18	25/01/19			15/06/18	09/07/18	24/10/18	25/01/19			100,00%	150,00	100,00%	150,00	100,00%	150,00	100,00%	TPEGPR2040
AB	TO	ROS	TE	PR	PD	0012	C01	AB-TO-ROS-TE-PR-PD-0012	BASIS ENGINEERING SRL	PID - SERVICE WATER SYSTEM	150	0,14%	03/08/18	14/09/18	31/01/19	12/04/19			03/08/18	14/09/18	31/01/19	12/04/19			03/08/18	14/09/18	31/01/19	12/04/19			100,00%	150,00	100,00%	150,00	100,00%	150,00	100,00%	TPEGPR2050
AB	TO	ROS	TE	PR	PD	0013	C01	AB-TO-ROS-TE-PR-PD-0013	BASIS ENGINEERING SRL	PID - VENTS AND CLOSED DRAINS SYSTEM	150	0,14%	03/08/18	14/09/18	01/02/19	17/04/19			03/08/18	14/09/18	01/02/19	17/04/19			03/08/18	14/09/18	01/02/19	17/04/19			100,00%	150,00	100,00%	150,00	100,00%	150,00	100,00%	TPEGPR2050
AB	TO	ROS	TE	PR	PD	0014	C01	AB-TO-ROS-TE-PR-PD-0014	BASIS ENGINEERING SRL	PID - VENTS AND DRAINS SYSTEM	150	0,14%	03/08/18	14/09/18	01/02/19	17/04/19			03/08/18	14/09/18	01/02/19	17/04/19			03/08/18	14/09/18	01/02/19	17/04/19			100,00%	150,00	100,00%	150,00	100,00%	150,00	100,00%	TPEGPR2050
AB	TO	ROS	TE	PR	PD	0015	C02	AB-TO-ROS-TE-PR-PD-0015	BASIS ENGINEERING SRL	PID: WELLHEAD CONTROL PANEL AND PLATFORM HPU	150	0,14%	15/06/18	09/07/18	23/10/18	28/01/19			15/06/18	09/07/18	23/10/18	28/01/19			15/06/18	09/07/18	23/10/18	28/01/19			100,00%	150,00	100,00%	150,00	100,00%	150,00	100,00%	TPEGPR2040
AB	TO	ROS	TE	PR	PD	0016	C02	AB-TO-ROS-TE-PR-PD-0016	BASIS ENGINEERING SRL	PID: WELLHEAD TAG AND LINE NUMBERS	150	0,14%	15/06/18	09/07/18	23/10/18	29/01/19			15/06/18	09/07/18	23/10/18	29/01/19			15/06/18	09/07/18	23/10/18	29/01/19			100,00%	150,00	100,00%	150,00	100,00%	150,00	100,00%	TPEGPR2040
AB	TO	ROS	TE	PR	PD	0017	C02	AB-TO-ROS-TE-PR-PD-0017	BASIS ENGINEERING SRL	PID: WELLHEAD TYPICAL DETAIL	150	0,14%	15/06/18	09/07/18	26/10/18	25/01/19			15/06/18	09/07/18	26/10/18	25/01/19			15/06/18	09/07/18	26/10/18	25/01/19			100,00%	150,00	100,00%	150,00	100,00%	150,00	100,00%	TPEGPR2040
AB	TO	ROS	TE	PR	PF	0001	C01	AB-TO-ROS-TE-PR-PF-0001	BASIS ENGINEERING SRL	PFD: PROCESS - EXPORT RISER AND SPHERE LAUNCHER	100	0,09%	28/05/18	18/06/18	19/07/18	27/08/18			28/05/18	18/06/18	19/07/18	27/08/18			28/05/18	18/06/18	19/07/18	27/08/18			100,00%	100,00	100,00%	100,00	100,00%	100,00	100,00%	TPEGPR2060
AB	TO	ROS	TE	PR	PF	0002	C01	AB-TO-ROS-TE-PR-PF-0002	BASIS ENGINEERING SRL	PFD: PROCESS - PLATFORM WELLHEADS, SATELLITE WELLS AND PRODUCTION MANIFOLD	100	0,09%	28/05/18	18/06/18	19/07/18	16/10/18			28/05/18	18/06/18	19/07/18	16/10/18			28/05/18	18/06/18	19/07/18	16/10/18			100,00%	100,00	100,00%	100,00	100,00%	100,00	100,00%	TPEGPR2060
AB	TO	ROS	TE	PR	PF	0003	C01	AB-TO-ROS-TE-PR-PF-0003	BASIS ENGINEERING SRL	PFD: PROCESS - PRODUCED WATER TREATMENT PACKAGE	100	0,09%	28/05/18	18/06/18	19/07/18	27/08/18			28/05/18	18/06/18	19/07/18	27/08/18			28/05/18	18/06/18	19/07/18	27/08/18			100,00%	100,00	100,00%	100,00	100,00%	100,00	100,00%	TPEGPR2060
AB	TO	ROS	TE	PR	PF	0004	C01	AB-TO-ROS-TE-PR-PF-0004	BASIS ENGINEERING SRL	PFD: PROCESS - PRODUCTION SEPARATOR	100	0,09%	28/05/18	18/06/18	19/07/18	27/08/18			28/05/18	18/06/18	19/07/18	27/08/18			28/05/18	18/06/18	19/07/18	27/08/18			100,00%	100,00	100,00%	100,00	100,00%	100,00	100,00%	TPEGPR2060
AB	TO	ROS	TE	PR	PF	0005	C01	AB-TO-ROS-TE-PR-PF-0005	BASIS ENGINEERING SRL	PROCESS SAFETY DIAGRAM - EXPORT RISER AND SPHERE LAUNCHER	30	0,03%	10/09/18	15/10/18	21/12/18	08/02/19			10/09/18	15/10/18	21/12/18	08/02/19			10/09/18	15/10/18	21/12/18	08/02/19			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2165
AB	TO	ROS	TE	PR	PF	0006	C01	AB-TO-ROS-TE-PR-PF-0006	BASIS ENGINEERING SRL	PROCESS SAFETY DIAGRAM - PLATFORM WELLHEADS, SATELLITE WELLS AND PRODUCTION MANIFOLD	30	0,03%	10/09/18	17/10/18	21/12/18	08/02/19			10/09/18	17/10/18	21/12/18	08/02/19			10/09/18	17/10/18	21/12/18	08/02/19			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2165
AB	TO	ROS	TE	PR	PF	0007	C01	AB-TO-ROS-TE-PR-PF-0007	BASIS ENGINEERING SRL	PROCESS SAFETY DIAGRAM - PRODUCED WATER TREATMENT PACKAGE	30	0,03%	10/09/18	17/10/18	21/12/18	08/02/19			10/09/18	17/10/18	21/12/18	08/02/19			10/09/18	17/10/18	21/12/18	08/02/19			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2165
AB	TO	ROS	TE	PR	PF	0008	C01	AB-TO-ROS-TE-PR-PF-0008	BASIS ENGINEERING SRL	PROCESS SAFETY DIAGRAM - PRODUCTION SEPARATOR	30	0,03%	10/09/18	17/10/18	21/12/18	08/02/19			10/09/18	17/10/18	21/12/18	08/02/19			10/09/18	17/10/18	21/12/18	08/02/19			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2165
AB	TO	ROS	TE	PR	PF	0009	C01	AB-TO-ROS-TE-PR-PF-0009	BASIS ENGINEERING SRL	PROCESS SAFETY DIAGRAM - CHEMICAL INJECTION SYSTEM	30	0,03%	10/09/18	15/10/18	21/12/18	08/02/19			10/09/18	15/10/18	21/12/18	08/02/19			10/09/18	15/10/18	21/12/18	08/02/19			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2165
AB	TO	ROS	TE	PR	PF	0010	C01	AB-TO-ROS-TE-PR-PF-0010	BASIS ENGINEERING SRL	PROCESS SAFETY DIAGRAM - DIESEL SYSTEM	30	0,03%	10/09/18	15/10/18	21/12/18	08/02/19			10/09/18	15/10/18	21/12/18	08/02/19			10/09/18	15/10/18	21/12/18	08/02/19			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2165
AB	TO	ROS	TE	PR	PF	0011	C01	AB-TO-ROS-TE-PR-PF-0011	BASIS ENGINEERING SRL	PROCESS SAFETY DIAGRAM - METHANOL SYSTEM	30	0,03%	10/09/18	15/10/18	21/12/18	08/02/19			10/09/18	15/10/18	21/12/18	08/02/19			10/09/18	15/10/18	21/12/18	08/02/19			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2165
AB	TO	ROS	TE	PR	PF	0012	C01	AB-TO-ROS-TE-PR-PF-0012	BASIS ENGINEERING SRL	PROCESS SAFETY DIAGRAM - SERVICE WATER SYSTEM	30	0,03%	10/09/18	15/10/18	21/12/18	08/02/19			10/09/18	15/10/18	21/12/18	08/02/19			10/09/18	15/10/18	21/12/18	08/02/19			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2165
AB	TO	ROS	TE	PR	PF	0013	C01	AB-TO-ROS-TE-PR-PF-0013	BASIS ENGINEERING SRL	PROCESS SAFETY DIAGRAM - VENT AND DRAIN SYSTEM	30	0,03%	10/09/18	15/10/18	21/12/18	08/02/19			10/09/18	15/10/18	21/12/18	08/02/19			10/09/18	15/10/18	21/12/18	08/02/19			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2165
AB	TO	ROS	TE	PR	PF	0014	C01	AB-TO-ROS-TE-PR-PF-0014	BASIS ENGINEERING SRL	PROCESS SAFETY DIAGRAM - VENT AND DRAIN SYSTEM (2)	30	0,03%	10/09/18	15/10/18	21/12/18	08/02/19			10/09/18	15/10/18	21/12/18	08/02/19			10/09/18	15/10/18	21/12/18	08/02/19			100,00%	30,00	100,00%	30,00	100,00%	30,00	100,00%	TPEGPR2165
AB	TO	ROS	TE	PR	PH	0001	C02	AB-TO-ROS-TE-PR-PH-0001	CESCOR	CORROSION MONITORING PHILOSOPHY	100	0,09%	15/06/18	21/06/18		27/07/18			15/06/18	21/06/18		27/07/18			15/06/18	21/06/18		27/07/18			100,00%	100,00	100,00%	100,00	100,00%	100,00	100,00%	TPEGPR2070
AB	TO	ROS	TE	PR	PH	0002	C01	AB-TO-ROS-TE-PR-PH-0002	BASIS ENGINEERING SRL	ISOLATION PHILOSOPHY	60	0,06%	03/09/18	20/09/18		11/01/19			03/09/18	20/09/18		11/01/19			03/09/18	20/09/18		11/01/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGPR2080
AB	TO	ROS	TE	PR	PH	0003	C01	AB-TO-ROS-TE-PR-PH-0003	BASIS ENGINEERING SRL	OVER PRESSURE PROTECTION PHILOSOPHY	60	0,06%	03/09/18	26/09/18		15/01/19			03/09/18	26/09/18		15/01/19			03/09/18	26/09/18		15/01/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGPR2090
AB	TO	ROS	TE	PR	RP	0001	C01	AB-TO-ROS-TE-PR-RP-0001	VITALE - PROCESS ENGINEERING	BLOWDOWN REPORT AND PSV SUMMARY	200	0,19%	03/09/18	31/10/18	01/02/19	29/03/19			03/09/18	31/10/18	01/02/19	29/03/19			03/09/18	31/10/18	01/02/19	29/03/19			100,00%	200,00	100,00%	200,00	100,00%	200,00	100,00%	TPEGPR2150
AB	TO	ROS	TE	PR	RP	0002	B01	AB-TO-ROS-TE-PR-RP-0002	BASIS ENGINEERING SRL	CONTROL NARRATIVE	240	0,23%	08/10/18	09/11/18	22/03/19	07/06/19			08/10/18	09/11/18	22/03/19	07/06/19			08/10/18	09/11/18	22/03/19	07/06/19			100,00%	240,00	100,00%	240,00	100,00%	227,11	94,63%	TPEGPR2110
AB	TO	ROS	TE	PR	RP	0003	C01	AB-TO-ROS-TE-PR-RP-0003	VITALE - PROCESS ENGINEERING	EQUIPMENT SIZING REPORT	200	0,19%	19/06/18	17/07/18	27/08/18	09/01/19			19/06/18	17/07/18	27/08/18	09/01/19			19/06/18	17/07/18	27/08/18	09/01/19			100,00%	200,00	100,00%	200,00	100,00%	200,00	100,00%	TPEGPR2100
AB	TO	ROS	TE	PR	RP	0004	C01	AB-TO-ROS-TE-PR-RP-0004	VITALE - PROCESS ENGINEERING	LINE SIZING REPORT	200	0,19%	19/06/18	13/07/18	27/08/18	27/12/18			19/06/18	13/07/18	27/08/18	27/12/18			19/06/18	13/07/18	27/08/18	27/12/18			100,00%	200,00	100,00%	200,00	100,00%	200,00	100,00%	TPEGPR2100
AB	TO	ROS	TE	PR	RP	0005	C02	AB-TO-ROS-TE-PR-RP-0005	CESCOR	MATERIAL SELECTION - TOLMOUNT PLATFORM TOPSIDE FACILITIES	100	0,09%	15/06/18	21/06/18		26/07/18			15/06/18	21/06/18		26/07/18			15/06/18	21/06/18		26/07/18			100,00%	100,00	100,00%	100,00	100,00%	100,00	100,00%	TPEGPR2010
AB	TO	ROS	TE	PR	RP	0006	C01	AB-TO-ROS-TE-PR-RP-0006	BASIS ENGINEERING SRL	SIMULATION REPORT	120	0,11%	15/06/18	29/06/18		29/08/18			15/06/18	29/06/18		29/08/18			15/06/18	29/06/18		29/08/18			100,00%	120,00	100,00%	120,00	100,00%	120,00	100,00%	TPEGPR2120
AB	TO	ROS	TE	PR	SH	0001	C01	AB-TO-ROS-TE-PR-SH-0001	BASIS ENGINEERING SRL	RANGE, ALARM AND TRIP SCHEDULE	40	0,04%	10/09/18	29/11/18	27/02/19	17/05/19			10/09/18	29/11/18	27/02/19	17/05/19			10/09/18	29/11/18	27/02/19	17/05/19			100,00%	40,00	100,00%	40,00	100,00%	40,00	100,00%	TPEGPR2050
AB	TO	ROS	TE	PR	UF	0001	C01	AB-TO-ROS-TE-PR-UF-0001	BASIS ENGINEERING SRL	UFD CHEMICAL INJECTION SYSTEM	90	0,08%	08/08/18	11/09/18	12/10/18	05/12/18			08/08/18	11/09/18	12/10/18	05/12/18			08/08/18	11/09/18	12/10/18	05/12/18			100,00%	90,00	100,00%	90,00	100,00%	90,00	100,00%	TPEGPR2130
AB	TO	ROS	TE	PR	UF	0002	C01	AB-TO-ROS-TE-PR-UF-0002	BASIS ENGINEERING SRL	UFD DIESEL SYSTEM	90	0,08%	08/08/18	11/09/18	12/10/18	07/11/18			08/08/18	11/09/18	12/10/18	07/11/18			08/08/18	11/09/18	12/10/18	07/11/18			100,00%	90,00	100,00%	90,00	100,00%	90,00	100,00%	TPEGPR2130
AB	TO	ROS	TE	PR	UF	0003	C01	AB-TO-ROS-TE-PR-UF-0003	BASIS ENGINEERING SRL	UFD METHANOL SYSTEM	90	0,08%	08/08/18	11/09/18	12/10/18	06/12/18			08/08/18	11/09/18	12/10/18	06/12/18			08/08/18	11/09/18	12/10/18	06/12/18			100,00%	90,00	100,00%	90,00	100,00%	90,00	100,00%	TPEGPR2130
AB	TO	ROS	TE	PR	UF	0004	C01	AB-TO-ROS-TE-PR-UF-0004	BASIS ENGINEERING SRL	UFD SERVICE WATER	90	0,08%	08/08/18	11/09/18	12/10/18	07/11/18			08/08/18	11/09/18	12/10/18	07/11/18			08/08/18	11/09/18	12/10/18	07/11/18			100,00%	90,00	100,00%	90,00	100,00%	90,00	100,00%	TPEGPR2130
AB	TO	ROS	TE	PR	UF	0005	C01	AB-TO-ROS-TE-PR-UF-0005	BASIS ENGINEERING SRL	UFD VENTS AND DRAINS SYSTEM	90	0,08%	08/08/18	11/09/18	12/10/18	08/11/18			08/08/18	11/09/18	12/10/18	08/11/18			08/08/18	11/09/18	12/10/18	08/11/18			100,00%	90,00	100,00%	90,00	100,00%	90,00	100,00%	TPEGPR2130
AB	TO	ROS	TE	PR	MN	0012	A01	AB-TO-ROS-TE-PR-MN-0012	BASIS ENGINEERING SRL	OPERATING AND START UP ICSS SYSTEM	20	0,02%	02/09/19	15/10/19	15/11/19	16/12/19			02/09/19	15/10/19	15/11/19	16/12/19										-		-		-		TPEGPR2140
AB	TO	ROS	TE	PR	MN	0013	A01	AB-TO-ROS-TE-PR-MN-0013	BASIS ENGINEERING SRL	OPERATING AND START UP WELLHEAD CONTROL PANEL	20	0,02%	02/09/19	15/10/19	15/11/19	16/12/19			02/09/19	15/10/19	15/11/19	16/12/19										-		-		-		TPEGPR2140
AB	TO	ROS	TE	PR	MN	0014	A01	AB-TO-ROS-TE-PR-MN-0014	BASIS ENGINEERING SRL	OPERATING AND START UP TELECOMMUNICATION SYSTEM	10	0,01%	02/09/19	15/10/19	15/11/19	16/12/19			02/09/19	15/10/19	15/11/19	16/12/19										-		-		-		TPEGPR2140
AB	TO	ROS	TE	PR	MN	0015	A01	AB-TO-ROS-TE-PR-MN-0015	BASIS ENGINEERING SRL	OPERATING AND START UP ELECTRICAL SYSTEM	10	0,01%	02/09/19	15/10/19	15/11/19	16/12/19			02/09/19	15/10/19	15/11/19	16/12/19										-		-		-		TPEGPR2140
AB	TO	ROS	TE	PR	MN	0016	A01	AB-TO-ROS-TE-PR-MN-0016	BASIS ENGINEERING SRL	OPERATING AND START UP HELIDECK FIREFIGHTING SYSTEM	10	0,01%	15/07/19	12/08/19	09/09/19	19/09/19			15/07/19	12/08/19	09/09/19	19/09/19										-		-		-		TPEGPR2140
AB	TO	ROS	TE	PR	MN	0017	A01	AB-TO-ROS-TE-PR-MN-0017	BASIS ENGINEERING SRL	OPERATING AND START UP MANUAL LIFEBOAT	10	0,01%	15/07/19	12/08/19	09/09/19	19/09/19			15/07/19	12/08/19	09/09/19	19/09/19										-		-		-		TPEGPR2140
AB	TO	ROS	TE	PR	MN	0018	A01	AB-TO-ROS-TE-PR-MN-0018	BASIS ENGINEERING SRL	OPERATING AND START UP MANUAL PERSONNEL PROTECTION AND FIREFIGHTING SYSTEM	10	0,01%	02/09/19	15/10/19	15/11/19	16/12/19			02/09/19	15/10/19	15/11/19	16/12/19										-		-		-		TPEGPR2140
AB	TO	ROS	TE	PR	MN	0019	A01	AB-TO-ROS-TE-PR-MN-0019	BASIS ENGINEERING SRL	OPERATING AND START UP MANUAL SAFETY SHOWERS	10	0,01%	02/09/19	15/10/19	15/11/19	16/12/19			02/09/19	15/10/19	15/11/19	16/12/19										-		-		-		TPEGPR2140
AB	TO	ROS	TE	PR	MN	0020	A01	AB-TO-ROS-TE-PR-MN-0020	BASIS ENGINEERING SRL	OPERATING AND START UP MANUAL LER EXTINGUISHING SYSTEM	10	0,01%	02/09/19	15/10/19	15/11/19	16/12/19			02/09/19	15/10/19	15/11/19	16/12/19										-		-		-		TPEGPR2140
AB	TO	ROS	TE	PR	SY	0001	A01	AB-TO-ROS-TE-PR-SY-0001	BASIS ENGINEERING SRL	CORROSION MANAGEMENT STRATEGY			n/a	n/a		n/a			15/04/19	20/06/19		31/07/19			15/04/19	20/06/19					50,00%	-		-	0,00%	-	0,00%	n/a
AB	TO	ROS	TE	AR	DW	0001	C01	AB-TO-ROS-TE-AR-DW-0001	BASIS ENGINEERING SRL	ARCHITECTURAL - EOA and E&I ROOMS - EXTERNAL ELEVATIONS - NORTH	60	0,06%	13/09/18	12/10/18		22/03/19			13/09/18	12/10/18		22/03/19			13/09/18	12/10/18		22/03/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1090
AB	TO	ROS	TE	AR	DW	0002	C01	AB-TO-ROS-TE-AR-DW-0002	BASIS ENGINEERING SRL	ARCHITECTURAL - EOA and E&I ROOMS - EXTERNAL ELEVATIONS - SOUTH	60	0,06%	13/09/18	12/10/18		22/03/19			13/09/18	12/10/18		22/03/19			13/09/18	12/10/18		22/03/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1090
AB	TO	ROS	TE	AR	DW	0003	C01	AB-TO-ROS-TE-AR-DW-0003	BASIS ENGINEERING SRL	ARCHITECTURAL - EOA and E&I ROOMS - EXTERNAL ELEVATIONS - WEST & EAST	60	0,06%	13/09/18	12/10/18		22/03/19			13/09/18	12/10/18		22/03/19			13/09/18	12/10/18		22/03/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1090
AB	TO	ROS	TE	AR	DW	0004	C01	AB-TO-ROS-TE-AR-DW-0004	BASIS ENGINEERING SRL	GENERAL ARRANGEMENT - LONGITUDINAL SECTION C-C	80	0,08%	13/09/18	12/10/18		22/11/18			13/09/18	12/10/18		22/11/18			13/09/18	12/10/18		22/11/18			100,00%	80,00	100,00%	80,00	100,00%	80,00	100,00%	TPEGAR1090
AB	TO	ROS	TE	AR	DW	0005	C01	AB-TO-ROS-TE-AR-DW-0005	BASIS ENGINEERING SRL	GENERAL ARRANGEMENT - LONGITUDINAL SECTION D-D	80	0,08%	13/09/18	12/10/18		23/11/18			13/09/18	12/10/18		23/11/18			13/09/18	12/10/18		23/11/18			100,00%	80,00	100,00%	80,00	100,00%	80,00	100,00%	TPEGAR1100
AB	TO	ROS	TE	AR	DW	0006	C01	AB-TO-ROS-TE-AR-DW-0006	BASIS ENGINEERING SRL	GENERAL ARRANGEMENT - TRANSVERSAL SECTION A-A & B-B	80	0,08%	13/09/18	12/10/18		23/11/18			13/09/18	12/10/18		23/11/18			13/09/18	12/10/18		23/11/18			100,00%	80,00	100,00%	80,00	100,00%	80,00	100,00%	TPEGAR1100
AB	TO	ROS	TE	AR	DW	0011	C01	AB-TO-ROS-TE-AR-DW-0011	BASIS ENGINEERING SRL	THERMAL & FIRE INSULATION - FLOOR PLAN EL. +28000 TOS - MAIN DECK	60	0,06%	27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1120
AB	TO	ROS	TE	AR	DW	0012	C01	AB-TO-ROS-TE-AR-DW-0012	BASIS ENGINEERING SRL	THERMAL & FIRE INSULATION - FLOOR PLAN EL.+31650 TOS - UPPER DECK	60	0,06%	27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1120
AB	TO	ROS	TE	AR	DW	0013	C01	AB-TO-ROS-TE-AR-DW-0013	BASIS ENGINEERING SRL	THERMAL & FIRE INSULATION - LONGITUDINAL SECTION C-C	60	0,06%	27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1120
AB	TO	ROS	TE	AR	DW	0014	C01	AB-TO-ROS-TE-AR-DW-0014	BASIS ENGINEERING SRL	THERMAL & FIRE INSULATION - LONGITUDINAL SECTION D-D	60	0,06%	27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1120
AB	TO	ROS	TE	AR	DW	0015	C01	AB-TO-ROS-TE-AR-DW-0015	BASIS ENGINEERING SRL	THERMAL & FIRE INSULATION - TRANSVERSAL SECTION A-A & B-B	60	0,06%	27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1120
AB	TO	ROS	TE	AR	DW	0086	C01	AB-TO-ROS-TE-AR-DW-0086	BASIS ENGINEERING SRL	THERMAL & FIRE INSULATION - DETAILS FROM 01 to 06	36	0,03%	27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			100,00%	36,00	100,00%	36,00	100,00%	36,00	100,00%	TPEGAR1120
AB	TO	ROS	TE	AR	DW	0087	C01	AB-TO-ROS-TE-AR-DW-0087	BASIS ENGINEERING SRL	THERMAL & FIRE INSULATION - DETAILS FROM 07 to 12	36	0,03%	27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			100,00%	36,00	100,00%	36,00	100,00%	36,00	100,00%	TPEGAR1120
AB	TO	ROS	TE	AR	DW	0088	C01	AB-TO-ROS-TE-AR-DW-0088	BASIS ENGINEERING SRL	THERMAL & FIRE INSULATION - DETAILS FROM 13 to 17	36	0,03%	27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			100,00%	36,00	100,00%	36,00	100,00%	36,00	100,00%	TPEGAR1120
AB	TO	ROS	TE	AR	DW	0089	C01	AB-TO-ROS-TE-AR-DW-0089	BASIS ENGINEERING SRL	THERMAL & FIRE INSULATION - DETAILS FROM 18 to 22	36	0,03%	27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			100,00%	36,00	100,00%	36,00	100,00%	36,00	100,00%	TPEGAR1120
AB	TO	ROS	TE	AR	DW	0090	C01	AB-TO-ROS-TE-AR-DW-0090	BASIS ENGINEERING SRL	THERMAL & FIRE INSULATION - DETAILS FROM 23 to 26	36	0,03%	27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			27/09/18	26/10/18		28/11/18			100,00%	36,00	100,00%	36,00	100,00%	36,00	100,00%	TPEGAR1120
AB	TO	ROS	TE	AR	DW	0091	C01	AB-TO-ROS-TE-AR-DW-0091	BASIS ENGINEERING SRL	PRIMARY MUSTER AREA - EOA ROOM - SUPPORT ON WALL FOR PULLMAN BUNK BED			25/02/19	06/03/19		07/06/19			25/02/19	06/03/19		18/06/19			25/02/19	06/03/19		18/06/19			100,00%	-		-	0,00%	-	0,00%	n/a
AB	TO	ROS	TE	AR	DW	0016	C01	AB-TO-ROS-TE-AR-DW-0016	BASIS ENGINEERING SRL	PIN POSITION DETAILS ON "A" CLASS BULKHEAD	40	0,04%	15/11/18	20/12/18		15/03/19			15/11/18	20/12/18		15/03/19			15/11/18	20/12/18		15/03/19			100,00%	40,00	100,00%	40,00	100,00%	40,00	100,00%	TPEGAR1130
AB	TO	ROS	TE	AR	DW	0017	C01	AB-TO-ROS-TE-AR-DW-0017	BASIS ENGINEERING SRL	PIN POSITION DETAILS ON "A" CLASS DECK	40	0,04%	15/11/18	20/12/18		15/03/19			15/11/18	20/12/18		15/03/19			15/11/18	20/12/18		15/03/19			100,00%	40,00	100,00%	40,00	100,00%	40,00	100,00%	TPEGAR1130
AB	TO	ROS	TE	AR	DW	0018	C02	AB-TO-ROS-TE-AR-DW-0018	BASIS ENGINEERING SRL	DOORS MAP - FLOOR PLAN EL+28000 TOS - MAIN DECK	60	0,06%	11/10/18	09/11/18		07/06/19			11/10/18	09/11/18		07/06/19			11/10/18	09/11/18		07/06/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1140
AB	TO	ROS	TE	AR	DW	0019	C02	AB-TO-ROS-TE-AR-DW-0019	BASIS ENGINEERING SRL	DOOR MAP - FLOOR PLAN EL+31650 TOS - UPPER DECK	60	0,06%	11/10/18	09/11/18		07/06/19			11/10/18	09/11/18		07/06/19			11/10/18	09/11/18		07/06/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1140
AB	TO	ROS	TE	AR	DW	0021	C02	AB-TO-ROS-TE-AR-DW-0021	BASIS ENGINEERING SRL	ARCHITECTURAL EXTERNAL FIRE RATED A60 SINGLE DOOR - DOOR ERECTION DETAILS	60	0,06%	13/02/19	01/03/19		19/04/19			13/02/19	01/03/19		19/04/19			13/02/19	01/03/19		19/04/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1170
AB	TO	ROS	TE	AR	DW	0022	C02	AB-TO-ROS-TE-AR-DW-0022	BASIS ENGINEERING SRL	EXTERNAL FIRE RATED A60 DOUBLE DOOR - DOOR ERECTION DETAILS	60	0,06%	13/02/19	22/02/19		19/04/19			13/02/19	22/02/19		19/04/19			13/02/19	22/02/19		19/04/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1170
AB	TO	ROS	TE	AR	DW	0023	C01	AB-TO-ROS-TE-AR-DW-0023	BASIS ENGINEERING SRL	ARCHITECTURAL INTERNAL FIRE RATED A60 SINGLE DOOR - DOOR ERECTION DETAILS	60	0,06%	13/02/19	22/02/19		24/05/19			13/02/19	22/02/19		24/05/19			13/02/19	22/02/19		24/05/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1170
AB	TO	ROS	TE	AR	DW	0024	C01	AB-TO-ROS-TE-AR-DW-0024	BASIS ENGINEERING SRL	ARCHITECTURAL INTERNAL FIRE RATED A60 DOUBLE DOOR- DOOR ERECTION DETAILS	60	0,06%	13/02/19	22/02/19		24/05/19			13/02/19	22/02/19		24/05/19			13/02/19	22/02/19		24/05/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1170
AB	TO	ROS	TE	AR	DW	0025	C01	AB-TO-ROS-TE-AR-DW-0025	BASIS ENGINEERING SRL	ARCHITECTURAL INTERNAL FIRE RATED B15 DOOR- DOOR ERECTION DETAILS	60	0,06%	13/02/19	22/02/19		24/05/19			13/02/19	22/02/19		24/05/19			13/02/19	22/02/19		24/05/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1170
AB	TO	ROS	TE	AR	DW	0027	C01	AB-TO-ROS-TE-AR-DW-0027	BASIS ENGINEERING SRL	FLOOR FINISHING - FLOOR PLAN EL.+20888 TOS - MAIN DECK	60	0,06%	20/12/18	09/01/19		14/03/19			20/12/18	09/01/19		14/03/19			20/12/18	09/01/19		14/03/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1180
AB	TO	ROS	TE	AR	DW	0028	C01	AB-TO-ROS-TE-AR-DW-0028	BASIS ENGINEERING SRL	EOA and E&I ROOMS FLOOR FINISHING - FLOOR PLAN EL.+31650 TOS - UPPER DECK	60	0,06%	20/12/18	09/01/19		14/03/19			20/12/18	09/01/19		14/03/19			20/12/18	09/01/19		14/03/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1180
AB	TO	ROS	TE	AR	DW	0029	C02	AB-TO-ROS-TE-AR-DW-0029	BASIS ENGINEERING SRL	ARCHITECTURAL - EOA and E&I ROOMS FLOOR FINISHING - DETAILS	80	0,08%	20/12/18	09/01/19		14/03/19			20/12/18	09/01/19		14/03/19			20/12/18	09/01/19		14/03/19			100,00%	80,00	100,00%	80,00	100,00%	80,00	100,00%	TPEGAR1180
AB	TO	ROS	TE	AR	DW	0030	C02	AB-TO-ROS-TE-AR-DW-0030	BASIS ENGINEERING SRL	INTERNAL FINISHING - "B15" LINING & PARTITIONS SECTIONS A-A, B-B AND C-C	80	0,08%	10/01/19	28/01/19		04/04/19			10/01/19	28/01/19		04/04/19			10/01/19	28/01/19		04/04/19			100,00%	80,00	100,00%	80,00	100,00%	80,00	100,00%	TPEGAR1190
AB	TO	ROS	TE	AR	DW	0032	C01	AB-TO-ROS-TE-AR-DW-0032	BASIS ENGINEERING SRL	INTERNAL FINISHING - "B15" LINING & PARTITIONS FLOOR PLAN EL.+28000 TOS - MAIN DECK	60	0,06%	20/12/18	09/01/19		04/04/19			20/12/18	09/01/19		04/04/19			20/12/18	09/01/19		04/04/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1190
AB	TO	ROS	TE	AR	DW	0033	C01	AB-TO-ROS-TE-AR-DW-0033	BASIS ENGINEERING SRL	INTERNAL FINISHING - "B15" LININGS & PARTITIONS FLOOR PLAN EL.+31650 TOS - UPPER DECK	60	0,06%	20/12/18	09/01/19		04/04/19			20/12/18	09/01/19		04/04/19			20/12/18	09/01/19		04/04/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1190
AB	TO	ROS	TE	AR	DW	0034	C01	AB-TO-ROS-TE-AR-DW-0034	BASIS ENGINEERING SRL	INTERNAL FINISHING - "B15" LININGS & PARTITIONS DETAILS	80	0,08%	20/12/18	09/01/19		04/04/19			20/12/18	09/01/19		04/04/19			20/12/18	09/01/19		04/04/19			100,00%	80,00	100,00%	80,00	100,00%	80,00	100,00%	TPEGAR1190
AB	TO	ROS	TE	AR	DW	0035	C02	AB-TO-ROS-TE-AR-DW-0035	BASIS ENGINEERING SRL	THREADED HANGER ON ROOF FOR SERVICE SUPPORTS - FLOOR PLAN EL. +28000 TOS - MAIN DECK	60	0,06%	08/11/18	30/11/18		25/01/19			08/11/18	30/11/18		25/01/19			08/11/18	30/11/18		25/01/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1200
AB	TO	ROS	TE	AR	DW	0036	C02	AB-TO-ROS-TE-AR-DW-0036	BASIS ENGINEERING SRL	THREADED HANGER ON ROOF FOR SERVICE SUPPORTS - FLOOR PLAN EL. +31650 TOS - UPPER DECK	60	0,06%	08/11/18	30/11/18		25/01/19			08/11/18	30/11/18		25/01/19			08/11/18	30/11/18		25/01/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1200
AB	TO	ROS	TE	AR	DW	0037	C02	AB-TO-ROS-TE-AR-DW-0037	BASIS ENGINEERING SRL	THREADED STUDS LOCATION ON SOUTH EXTERNAL WALLS - ASSEMBLY	80	0,08%	08/11/18	05/12/18		25/01/19			08/11/18	05/12/18		25/01/19			08/11/18	05/12/18		25/01/19			100,00%	80,00	100,00%	80,00	100,00%	80,00	100,00%	TPEGAR1200
AB	TO	ROS	TE	AR	DW	0038	C01	AB-TO-ROS-TE-AR-DW-0038	BASIS ENGINEERING SRL	THREADED STUDS LOCATION ON WEST EXTERNAL WALLS - ASSEMBLY	80	0,08%	08/11/18	05/12/18		25/01/19			08/11/18	05/12/18		25/01/19			08/11/18	05/12/18		25/01/19			100,00%	80,00	100,00%	80,00	100,00%	80,00	100,00%	TPEGAR1200
AB	TO	ROS	TE	AR	DW	0039	C01	AB-TO-ROS-TE-AR-DW-0039	BASIS ENGINEERING SRL	THREADED STUDS LOCATION ON EAST EXTERNAL WALLS - ASSEMBLY	80	0,08%	08/11/18	05/12/18		25/01/19			08/11/18	05/12/18		25/01/19			08/11/18	05/12/18		25/01/19			100,00%	80,00	100,00%	80,00	100,00%	80,00	100,00%	TPEGAR1200
AB	TO	ROS	TE	AR	DW	0040	C01	AB-TO-ROS-TE-AR-DW-0040	BASIS ENGINEERING SRL	THREADED STUDS ON EXTERNAL WALLS - INSTALLATION DETAILS	80	0,08%	08/11/18	05/12/18		25/01/19			08/11/18	05/12/18		25/01/19			08/11/18	05/12/18		25/01/19			100,00%	80,00	100,00%	80,00	100,00%	80,00	100,00%	TPEGAR1200
~~AB~~	~~TO~~	~~ROS~~	~~TE~~	~~AR~~	~~DW~~	~~0041~~	~~A01 - DEL~~	~~AB-TO-ROS-TE-AR-DW-0041~~	~~BASIS ENGINEERING SRL~~	~~SEWAGE SYSTEM AND HOT & COLD WATER DISTRIBUTION - DETAILS - DELETED~~	~~160~~	~~0,15%~~	~~20/12/18~~	~~13/02/19~~		~~04/04/19~~			~~20/12/18~~	~~13/02/19~~		~~04/04/19~~			~~20/12/18~~	~~13/02/19~~		~~04/04/19~~			~~100,00%~~	~~160,00~~	~~100,00%~~	~~160,00~~	~~100,00%~~	~~160,00~~	~~100,00%~~	~~TPEGAR1220~~
AB	TO	ROS	TE	AR	DW	0043	C02	AB-TO-ROS-TE-AR-DW-0043	BASIS ENGINEERING SRL	ARCHITECTURAL - EDA and E&I ROOMS EXTERNAL & INTERNAL BULKHEAD PENETRATIONS - SOUTH VIEW	60	0,06%	20/12/18	25/02/19		21/05/19			20/12/18	25/02/19		21/05/19			20/12/18	25/02/19		21/05/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1230
AB	TO	ROS	TE	AR	DW	0044	C02	AB-TO-ROS-TE-AR-DW-0044	BASIS ENGINEERING SRL	ARCHITECTURAL - EOA and E&I ROOMS EXTERNAL BULKHEAD PENETRATIONS - WEST VIEW	60	0,06%	20/12/18	22/02/19		31/05/19			20/12/18	22/02/19		04/06/19			20/12/18	22/02/19		04/06/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1230
AB	TO	ROS	TE	AR	DW	0045	C02	AB-TO-ROS-TE-AR-DW-0045	BASIS ENGINEERING SRL	ARCHITECTURAL - EOA and E&I ROOMS EXTERNAL BULKHEAD PENETRATIONS - EAST VIEW	60	0,06%	20/12/18	22/02/19		31/05/19			20/12/18	22/02/19		04/06/19			20/12/18	22/02/19		04/06/19			100,00%	60,00	100,00%	60,00	100,00%	60,00	100,00%	TPEGAR1230

SUPPLIER OVERDUE
INTERNAL OVERDUE
THIRD PART OVERDUE
CUSTOMER OVERDUE
SUPPLIER FIRST ISSUE OVERDUE

RDC-SR-03

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118A50 - TOLMOUNT DEVELOPMENT PROJECT

Macrofase - 3
Document Type- SDL

CUT-OFF DATE 28/06/2019

																			Last Internal Transm.			Last Tran. To Supplier			Last Tran. To Customer				
Vendor	Purchase Order Nr.	Purchase Order Date	Oggetto Fornitura	Internal Code	Int Rv	Customer Document Code	Cust. Rv	Supplier Doc. Code	Supp Rv	Document Title	Document Type	Wk St.	PLANNING			RE-PLANNING			Transm. Code	Tran. Date	RC	Transm. Code	Tran. Date	R within	Trans. Code	Trans. Date	Protocol	RC	Ans. Date
													STR	IFR	AFC	STR	IFR	AFC											
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-MAC-PRO-0002	00	118A50-0545-ME-H04-0001	A01	19J005-WEIGHTPROC01	A	AMADUCCI - WEIGHING PROCEDURE	PROCEDURE	N	10/06/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-MD-DB-0001	00	118A50-0545-PM-R04-0001	A01	19J005-DB01	A	AMADUCCI - MANUFACTURING RECORD BOOK - DIESEL STORAGE TANK	DATA BOOK	N	30/08/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-MD-DB-0002	00	118A50-0545-PM-R04-0002	A01	19J005-DB02	A	AMADUCCI - MANUFACTURING RECORD BOOK - WATER STORAGE TANK	DATA BOOK	N	30/08/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-MD-DB-0003	00	118A50-0545-PM-R04-0003	A01	19J005-DB03	A	AMADUCCI - MANUFACTURING RECORD BOOK - OPEN DRAIN TANK	DATA BOOK	N	30/08/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-MD-LIS-0001	00	118A50-0545-PM-A01-0001	A01	19J005-SMIR01	A	AMADUCCI - SUPPLIER MASTER INFORMATION REGISTER	LIST	S	30/04/2019						T-118A50-R-4360	06/05/2019	2Y	T-118A50-V-0510	10/05/2019	24/05/2019	T-118A50-C-1230	06/05/2019			14/05/2019
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-MD-LIS-0001	01	118A50-0545-PM-A01-0001	A02	19J005-SMIR01	A01	AMADUCCI - SUPPLIER MASTER INFORMATION REGISTER	LIST	A	30/04/2019						T-118A50-R-4598	14/05/2019	2Y	T-118A50-V-0654	13/06/2019	27/06/2019	T-118A50-C-1306	14/05/2019			
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-MD-LIS-0002	00	118A50-0545-PM-A05-0001	A01	19J005-INDEX01	A	AMADUCCI - MANUFACTURING RECORD BOOK INDEX - DIESEL STORAGE TANK	LIST	N	31/05/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-MD-LIS-0003	00	118A50-0545-PM-A05-0002	A01	19J005-INDEX02	A	AMADUCCI - MANUFACTURING RECORD BOOK INDEX - WATER STORAGE TANK	LIST	N	31/05/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-MD-LIS-0004	00	118A50-0545-PM-A05-0003	A01	19J005-INDEX03	A	AMADUCCI - MANUFACTURING RECORD BOOK INDEX - OPEN DRAIN TANK	LIST	N	31/05/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-MNG-LIS-0001	00	118A50-0545-PM-A04-0001	A01	19J005-SSPL01	A	AMADUCCI - BOUGHT OUT ITEMS LIST	LIST	N	31/05/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-MNG-PL-0001	00	118A50-0545-PM-A02-0001	A01	19J005-FP01	A	AMADUCCI - PRODUCTION SCHEDULE	PLANNING & SCHEDULE	A	03/05/2019						T-118A50-R-5297	06/06/2019	3	T-118A50-V-0629	10/06/2019	24/06/2019					
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-MNG-PL-0002	00	118A50-0545-PM-A03-0001	A01	19J005-PROGREP01	A	AMADUCCI - PROGRESS REPORTS	PLANNING & SCHEDULE	N	31/05/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-NDT-PRO-0001	00	118A50-0545-QA-P03-0001	A01	19J005-NDT01		AMADUCCI - NDT PROCEDURE	PROCEDURE	A	20/05/2019						T-118A50-R-5298	06/06/2019	1	T-118A50-V-0629	10/06/2019	24/06/2019	T-118A50-C-1466	30/05/2019			
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-QC-PRO-0001	00	118A50-0545-QA-H02-0001	A01	19J005-PCQ01	A	AMADUCCI - QUALITY CONTROL PLAN - DIESEL STORAGE TANK	PROCEDURE	S	13/05/2019						T-118A50-R-4598	14/05/2019	2Y	T-118A50-V-0558	27/05/2019	10/06/2019	T-118A50-C-1308	14/05/2019			05/06/2019
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-QC-PRO-0001	01	118A50-0545-QA-H02-0001	C01	19J005-PCQ01		AMADUCCI - QUALITY CONTROL PLAN - DIESEL STORAGE TANK	PROCEDURE	A	13/05/2019						T-118A50-R-5258	05/06/2019	1	T-118A50-V-0664	17/06/2019		T-118A50-C-1526	05/06/2019			
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-QC-PRO-0002	00	118A50-0545-QA-H02-0002	A01	19J005-PCQ02	A	AMADUCCI - QUALITY CONTROL PLAN - WATER STORAGE TANK	PROCEDURE	S	13/05/2019						T-118A50-R-4598	14/05/2019	2Y	T-118A50-V-0558	27/05/2019	10/06/2019	T-118A50-C-1308	14/05/2019			05/06/2019
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-QC-PRO-0002	01	118A50-0545-QA-H02-0002	C01	19J005-PCQ02		AMADUCCI - QUALITY CONTROL PLAN - WATER STORAGE TANK	PROCEDURE	A	13/05/2019						T-118A50-R-5258	05/06/2019	1	T-118A50-V-0664	17/06/2019		T-118A50-C-1526	05/06/2019			
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-QC-PRO-0003	00	118A50-0545-QA-H02-0003	A01	19J005-PCQ03	A	AMADUCCI - QUALITY CONTROL PLAN - OPEN DRAIN TANK	PROCEDURE	S	13/05/2019						T-118A50-R-4598	14/05/2019	2Y	T-118A50-V-0558	27/05/2019	10/06/2019	T-118A50-C-1308	14/05/2019			05/06/2019
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-QC-PRO-0003	01	118A50-0545-QA-H02-0003	C01	19J005-PCQ03		AMADUCCI - QUALITY CONTROL PLAN - OPEN DRAIN TANK	PROCEDURE	A	13/05/2019						T-118A50-R-5258	05/06/2019	1	T-118A50-V-0664	17/06/2019		T-118A50-C-1526	05/06/2019			
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-QC-PRO-0004	00	118A50-0545-QA-P04-0001	A01	19J005-PP01	A	AMADUCCI - PAINTING PROCEDURE	PROCEDURE	N	31/05/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-QC-PRO-0005	00	118A50-0545-QA-G02-0001	A01	19J005-PACKINGPR01	A	AMADUCCI - PACKING & PRESERVATION PROCEDURES	PROCEDURE	N	10/06/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-QC-PRO-0006	00	118A50-0545-QA-G03-0001	A01	19J005-SHIPPPROC01	A	AMADUCCI - HANDLING & SHIPPING PROCEDURES	PROCEDURE	N	10/06/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-QC-PRO-0007	00	118A50-0545-QA-H16-0001	A01	19J005-DIMPRO01	A	AMADUCCI - DIMENSIONAL PROCEDURE	PROCEDURE	N	31/05/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-QC-PRO-0008	00	118A50-0545-QA-P02-0001	A01	19J005-MANPROC01	A	AMADUCCI - MANUFACTURING PROCEDURES SPECIFICATION (MPS)	PROCEDURE	N	03/05/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-QHSE-QC-0001	00	118A50-0545-QA-H11-0001	A01	19J005-H&S01	A	AMADUCCI - HEALTH AND SAFETY & ENVIRONMENTAL MANAGEMENT SYSTEM AND POLICY	QUALITY CONTROL	N	20/05/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-SAF-LIS-0001	00	118A50-0545-SA-H16-0001	A01	19J005-HFECHECK01	A	AMADUCCI - HFE CHECKLIST	LIST	N	25/06/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-SAF-RE-0001	00	118A50-0545-SA-K13-0001	A01	19J005-SAFETYREG01	A	AMADUCCI - REGISTER OF SAFETY RELATED DEVICES & ERGONOMIC ASSESSMENT	REPORT	N	25/06/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-ST-DA-0001	00	118A50-0545-ST-G06-0001	A01	19J005-005	0	AMADUCCI - SLINGING / LIFTING ARRANGEMENT - DIESEL STORAGE TANK	GENERAL ARRANGEMENT	N	10/06/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-ST-DA-0002	00	118A50-0545-ST-G06-0002	A01	19J005-015	0	AMADUCCI - SLINGING / LIFTING ARRANGEMENT - WATER STORAGE TANK	GENERAL ARRANGEMENT	N	10/06/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-ST-DA-0003	00	118A50-0545-ST-G06-0003	A01	19J005-025	0	AMADUCCI - SLINGING / LIFTING ARRANGEMENT - OPEN DRAIN TANK	GENERAL ARRANGEMENT	N	10/06/2019																
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-WEL-RE-0001	00	118A50-0545-QA-P01-0001	A01	19J005-WB01	A	AMADUCCI - WELDING BOOK - DIESEL STORAGE TANK	REPORT	A	24/05/2019						T-118A50-R-4806	22/05/2019	2Y	T-118A50-V-0609	05/06/2019	19/06/2019	T-118A50-C-1373	22/05/2019			
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-WEL-RE-0002	00	118A50-0545-QA-P01-0002	A01	19J005-WB02		AMADUCCI - WELDING BOOK - WATER STORAGE TANK	REPORT	A	24/05/2019						T-118A50-R-5083	30/05/2019	2Y	T-118A50-V-0708	20/06/2019	04/07/2019	T-118A50-C-1466	30/05/2019			
AMADUCCI	1719000545	04/04/2019	ATMOSPHERIC RECTANGULAR STORAGE TANK	0545-WEL-RE-0003	00	118A50-0545-QA-P01-0003	A01	19J005-WB03		AMADUCCI - WELDING BOOK - OPEN DRAIN TANK	REPORT	A	24/05/2019						T-118A50-R-5124	31/05/2019	2Y	T-118A50-V-0708	20/06/2019	04/07/2019	T-118A50-C-1487	31/05/2019			
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MAC-DS-0001	00	118A50-0684-ME-C06-0001	A01	120552-EDS-00	A01	AXFLOW - EQUIPMENT DATA SHEET - DIESEL TRANSFER PUMP 62PB001	DATA SHEET	A	10/06/2019						T-118A50-R-5433	10/06/2019					T-118A50-C-1573	10/06/2019	TOL-TRA-12472	CODE 1 - REVIEWED AND HAVE NO COMMENT / ACCEPTED	19/06/2019
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MAC-DS-0002	00	118A50-0684-ME-C06-0002	A01	120552-EMDS-00	A01	ELECTRICAL MOTOR DATA SHEET - DIESEL TRANSFER PUMP 62PB001	DATA SHEET	A	10/06/2019						T-118A50-R-5541	12/06/2019					T-118A50-C-1614	12/06/2019			
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MAC-DS-0003	00	118A50-0684-ME-C19-0001	A01	120552-NLDS-00	A01	NOISE LEVEL DATA SHEET - DIESEL TRANSFER PUMP 62PB001	DATA SHEET	N	26/06/2019																
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MAC-EQD-0001	00	118A50-0684-ME-B01-0001	A01	120552-GA-00	A01	AXFLOW - GENERAL ARRANGEMENT DRAWINGS - DIESEL TRANSFER PUMP 62PB001	EQUIPMENT DRAWING	S	07/06/2019						T-118A50-R-5369	07/06/2019	3	T-118A50-V-0656	13/06/2019	27/06/2019	T-118A50-C-1553	07/06/2019			14/06/2019
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MAC-EQD-0001	01	118A50-0684-ME-B01-0001	A02	120552-GA-00	A02	AXFLOW - GENERAL ARRANGEMENT DRAWINGS - DIESEL TRANSFER PUMP 62PB001	EQUIPMENT DRAWING	A	07/06/2019						T-118A50-R-5637	14/06/2019					T-118A50-C-1638	14/06/2019			
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MAC-EQD-0002	00	118A50-0684-ME-D01-0001	A01	120552-DWG-00	A01	CROSS SECTIONAL DRAWINGS WITH PARTS LIST - DIESEL TRANSFER PUMP 62PB001	EQUIPMENT DRAWING	N	24/06/2019																
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MAC-EQD-0003	00	118A50-0684-ME-D02-0001	A01	120552-DWG-01	A01	AXFLOW - MECHANICAL SEAL DRAWINGS - DIESEL TRANSFER PUMP 62PB001	EQUIPMENT DRAWING	A	24/06/2019						T-118A50-R-6035	26/06/2019					T-118A50-C-1772	26/06/2019			
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MAC-EQD-0004	00	118A50-0684-ME-D04-0001	A01	120552-NFD-00	A01	NAMEPLATE DRAWING - DIESEL TRANSFER PUMP 62PB001	EQUIPMENT DRAWING	N	19/08/2019																
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MAC-EQD-0005	00	118A50-0684-ME-B01-0002	A01	120552-EMAD-00	A01	AXFLOW - ELECTRICAL MOTOR ASSEMBLY DRAWING - DIESEL TRANSFER PUMP 62PB001	EQUIPMENT DRAWING	A	24/06/2019						T-118A50-R-5851	20/06/2019					T-118A50-C-1703	20/06/2019			
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MAC-LIS-0001	00	118A50-0684-ME-J01-0001	A01	120552-LL-00	A01	AXFLOW - LUBRICANT LIST - DIESEL TRANSFER PUMP 62PB001	LIST	A	29/06/2019						T-118A50-R-5433	10/06/2019					T-118A50-C-1573	10/06/2019			
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MAC-LIS-0002	00	118A50-0684-ME-J02-0001	A01	120552-SPL-00	A01	SPARE PARTS LIST FOR COMMISSIONING AND START-UP - DIESEL TRANSFER PUMP 62PB001	LIST	N	08/08/2019																
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MAC-LIS-0003	00	118A50-0684-ME-J03-0001	A01	120552-SPL-01	A01	SPARE PARTS LIST FOR 2 YEARS OPERATION & CAPITAL INSURANCE - DIESEL TRANSFER PUMP 62PB001	LIST	N	29/06/2019																
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MAC-LIS-0004	00	118A50-0684-ME-R02-0001	A01	120552-IOMI-00	A01	AXFLOW - INSTALLATION, OPERATING & MAINTENANCE MANUAL INDEX - DIESEL TRANSFER PUMP 62PB001	LIST	A	01/07/2019						T-118A50-R-5851	20/06/2019					T-118A50-C-1703	20/06/2019			
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MD-LIS-0001	00	118A50-0684-PM-A01-0001	A01	120552-SMIR-00	A01	AXFLOW - SUPPLIER MASTER INFORMATION REGISTER (SMIR) - DIESEL TRANSFER PUMP 62PB001	LIST	S	07/06/2019						T-118A50-R-5011	29/05/2019	2Y	T-118A50-V-0604	03/06/2019	17/06/2019	T-118A50-C-1443	29/05/2019			04/06/2019
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MD-LIS-0001	01	118A50-0684-PM-A01-0001	A02	120552-SMIR-00	A02	AXFLOW - SUPPLIER MASTER INFORMATION REGISTER (SMIR) - DIESEL TRANSFER PUMP 62PB001	LIST	S	07/06/2019						T-118A50-R-5229	04/06/2019	2Y	T-118A50-V-0656	13/06/2019	27/06/2019	T-118A50-C-1513	04/06/2019			14/06/2019
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MD-LIS-0001	02	118A50-0684-PM-A01-0001	A03	120552-SMIR-00	A03	AXFLOW - SUPPLIER MASTER INFORMATION REGISTER (SMIR) - DIESEL TRANSFER PUMP 62PB001	LIST	A	07/06/2019						T-118A50-R-5637	14/06/2019					T-118A50-C-1638	14/06/2019			
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MD-LIS-0002	00	118A50-0684-PM-R04-0001	A01	120552-MRBI-00	A01	AXFLOW - MANUFACTURING RECORD BOOK INDEX - DIESEL TRANSFER PUMP 62PB001	LIST	A	01/07/2019						T-118A50-R-5851	20/06/2019	2Y	T-118A50-V-0777	01/07/2019	15/07/2019	T-118A50-C-1703	20/06/2019			
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-MNG-PL-0001	00	118A50-0684-PM-A02-0001	A01	120552-PPS-00	A01	AXFLOW - ENGINEERING, FABRICATION AND TEST SCHEDULE - DIESEL TRANSFER PUMP 62PB001	PLANNING & SCHEDULE	A	07/06/2019						T-118A50-R-5541	12/06/2019	2Y	T-118A50-V-0747	26/06/2019	10/07/2019					
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-NDT-PRO-0001	00	118A50-0684-QA-P03-0001	A01	120552-NDT-00	A01	NDT PROCEDURE - DIESEL TRANSFER PUMP 62PB001	PROCEDURE	A	20/06/2019						T-118A50-R-5882	21/06/2019	2Y	T-118A50-V-0777	01/07/2019	15/07/2019	T-118A50-C-1715	21/06/2019			
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-QC-ITP-0001	00	118A50-0684-QA-H03-0001	A01	120552-ITP-00	A01	AXFLOW - INSPECTION AND TEST PLAN - DIESEL TRANSFER PUMP 62PB001	INSPECTION AND TEST PLAN	A	24/06/2019						T-118A50-R-5433	10/06/2019	2Y	T-118A50-V-0747	26/06/2019	10/07/2019	T-118A50-C-1573	10/06/2019			
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-QC-LIS-0001	00	118A50-0684-QA-G02-0001	A01	120552-PL-00	A01	PACKING LIST - DIESEL TRANSFER PUMP 62PB001	LIST	N	15/09/2019																
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-QC-PRO-0001	00	118A50-0684-QA-G03-0001	A01	120552-HSP-00	A01	HANDLING & SHIPPING PROCEDURES - DIESEL TRANSFER PUMP 62PB001	PROCEDURE	N	11/07/2019																
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-QC-PRO-0002	00	118A50-0684-QA-P04-0001	A01	120552-PCP-00	A01	PAINTING AND COATING PROCEDURE - DIESEL TRANSFER PUMP 62PB001	PROCEDURE	N	22/07/2019																
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-QC-PRO-0003	00	118A50-0684-QA-H09-0001	A01	120552-FAT-00	A01	FAT PROCEDURE - DIESEL TRANSFER PUMP 62PB001	PROCEDURE	N	20/06/2019																
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-QC-PRO-0004	00	118A50-0684-QA-G02-0002	A01	120552-PPP-00	A01	PACKING AND PRESERVATION PROCEDURE - DIESEL TRANSFER PUMP 62PB001	PROCEDURE	N	01/07/2019																
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-QC-RE-0001	00	118A50-0684-QA-H02-0001	A01	120552-QP-00	A01	QUALITY PLAN - DIESEL TRANSFER PUMP 62PB001	REPORT	N	27/06/2019																
AXFLOW	1719000684	29/04/2019	DIESEL SUPPLY PUMP	0684-WEL-PRO-0001	00	118A50-0684-QA-P01-0001	A01	120552-WPQ-00	A01	WELDING PROCEDURES & QUALIFICATIONS (WPS/PQR/WPQ) - DIESEL TRANSFER PUMP 62PB001	PROCEDURE	A	22/07/2019						T-118A50-R-5882	21/06/2019					T-118A50-C-1715	21/06/2019			
BAGGEROED	1719000351	28/02/2019	FIRE RATED DOORS	0351-AR-DA-0001	00	118A50-0351-AR-B01-0001	A01	1101717-001-01	02	BAGGEROD - HB-5000 A-60 - Clear Opening: 1000x2130, 1200x2400, 1200x2100	GENERAL ARRANGEMENT	A	16/04/2019						T-118A50-R-4676	17/05/2019	2Y	T-118A50-V-0579	30/05/2019	13/06/2019	T-118A50-C-1330	17/05/2019	TOL-TRA-12385	CODE 1 - APPROVED - WORK MAY PROCEED	19/06/2019
BAGGEROED	1719000351	28/02/2019	FIRE RATED DOORS	0351-AR-DA-0002	00	118A50-0351-AR-B01-0002	A01	1101717-002-01	02	BAGGEROD - SINGLE DOOR TYPE HB-5000DD A-60 - Clear Opening: 1500x2400	GENERAL ARRANGEMENT	A	16/04/2019						T-118A50-R-4676	17/05/2019	2Y	T-118A50-V-0579	30/05/2019	13/06/2019	T-118A50-C-1330	17/05/2019			
BAGGEROED	1719000351	28/02/2019	FIRE RATED DOORS	0351-AR-DA-0003	00	118A50-0351-AR-B01-0003	A01	1101717-003-01	02	BAGGEROD - HB-H A-60 HINGED DOOR - Clear Opening: 1200x2400	GENERAL ARRANGEMENT	A	16/04/2019						T-118A50-R-4676	17/05/2019	2Y	T-118A50-V-0579	30/05/2019	13/06/2019	T-118A50-C-1330	17/05/2019			
BAGGEROED	1719000351	28/02/2019	FIRE RATED DOORS	0351-AR-DA-0004	00	118A50-0351-AR-B01-0004	A01	1101717-004-01	02	BAGGEROD - DOUBLE LEAF DOOR TYPE HB-HH A-60	GENERAL ARRANGEMENT	A	16/04/2019						T-118A50-R-4676	17/05/2019	2Y	T-118A50-V-0579	30/05/2019	13/06/2019	T-118A50-C-1330	17/05/2019			
BAGGEROED	1719000351	28/02/2019	FIRE RATED DOORS	0351-AR-DA-0005	00	118A50-0351-AR-B01-0005	A01	1101717-005-01	02	BAGGEROD - G007 B-15 - Clear Opening: 1200x2100	GENERAL ARRANGEMENT	A	16/04/2019						T-118A50-R-4676	17/05/2019	2Y	T-118A50-V-0579	30/05/2019	13/06/2019	T-118A50-C-1330	17/05/2019			
BAGGEROED	1719000351	28/02/2019	FIRE RATED DOORS	0351-AR-DA-0006	00	118A50-0351-AR-B01-0006	A01	1101717-006-01	02	BAGGEROD - G007 B-15 - Clear Opening: 700x2100	GENERAL ARRANGEMENT	A	16/04/2019						T-118A50-R-4676	17/05/2019	2Y	T-118A50-V-0579	30/05/2019	13/06/2019	T-118A50-C-1330	17/05/2019			
BAGGEROED	1719000351	28/02/2019	FIRE RATED DOORS	0351-AR-RE-0001	00	118A50-0351-AR-C15-0001	A01	NA	NA	FUNCTIONAL, GENERAL AND TECHNICAL DESCRPTION	REPORT	N	26/04/2019																
BAGGEROED	1719000351	28/02/2019	FIRE RATED DOORS	0351-MAC-MAN-0001	00	118A50-0351-ME-R02-0001	A01	NA	NA	INSTALLATION, OPERATION AND MAINTENANCE MANUAL (IOM)	MANUAL	N	26/04/2019																
BAGGEROED	1719000351	28/02/2019	FIRE RATED DOORS	0351-MD-LIS-0001	00	118A50-0351-PM-A01-0001	A01	NA	NA	BAGGEROD - SUPPLIER MASTER INFORMATION REGISTER (SMIR)	LIST	A	16/04/2019						T-118A50-R-4074	24/04/2019	2Y	T-118A50-V-0465	06/05/2019	10/05/2019	T-118A50-C-1141	24/04/2019			
BAGGEROED	1719000351	28/02/2019	FIRE RATED DOORS	0351-QC-ITP-0001	00	118A50-0351-QA-H03-0001	A01	NA	NA	QUALITY PLAN AND ITP	INSPECTION AND TEST PLAN	N	26/04/2019																
BAGGEROED	1719000351	28/02/2019	FIRE RATED DOORS	0351-QC-RE-0006	00	118A50-0351-QA-K07-0001	A01	NA	NA	CERTIFICATES	REPORT	N	26/04/2019																
VOGT	1719000098	20/02/2019	GATE/GLOBE/CHECK VALVES	0098-MAC-EQD-0001	00	118A50-0098-ME-B01-0001	A01	GAD_1900024_GATE	0	VOGT - GA drawings GATE (including B.O.M, dimensional and weight)	EQUIPMENT DRAWING	A	11/03/2019						T-118A50-R-3434	30/03/2019	2Y	T-118A50-V-0397	16/04/2019	03/05/2019	T-118A50-C-0982	30/03/2019	TOL-TRA-10708	CODE 4 - FOR INFORMATION ONLY / REVIEW NOT REQUIRED	06/05/2019
VOGT	1719000098	20/02/2019	GATE/GLOBE/CHECK VALVES	0098-MAC-EQD-0002	00	118A50-0098-ME-D04-0001	A01	NMPLT_1900024	0	VOGT - Nameplate drawings	EQUIPMENT DRAWING	S	11/03/2019						T-118A50-R-3238	26/03/2019	2Y	T-118A50-V-0439	24/04/2019	10/05/2019	T-118A50-C-0915	26/03/2019			14/06/2019

Attachment 2 – Example of Procurement Plan

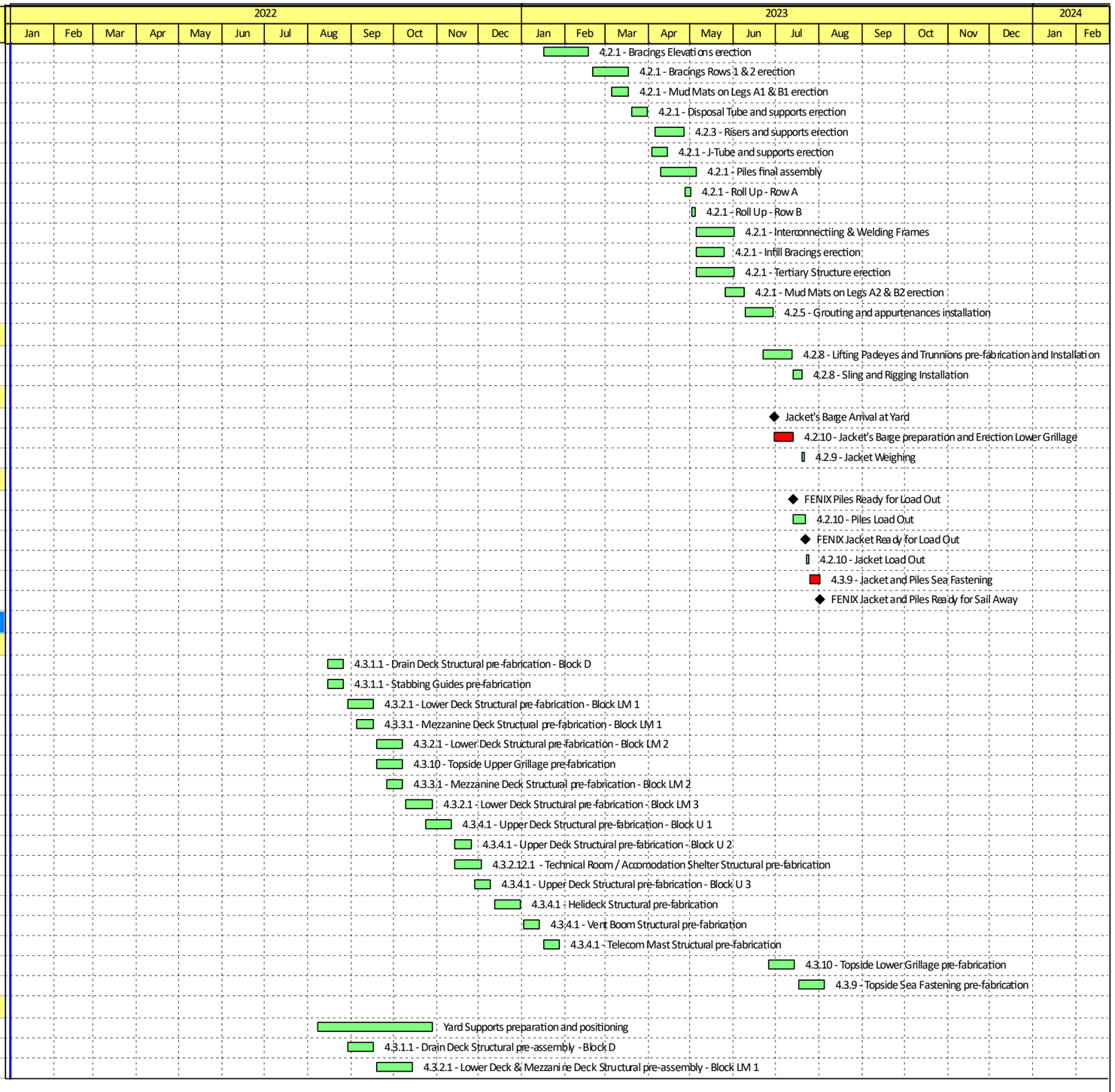
118A50 TOLMOUNT PROJECT - Procurement Plan

Report Cut Off Date: 30/11/18

				MATERIAL REQUISITION & RfQ (5%)							BID PHASE (10%)			Negotiation & Purchase Order (15%)					Material Delivery (70%)								PROGRESS %				
				MATERIAL REQUISITION (0%)			RfQ (5%)				VENDOR QUOTATION									MATERIAL READY EX WORK			MATERIAL READY WAREHOUSE/YARD								
DISC. CODE/DESCR. SCR.	Bulk/Equip.	P6 Activity ID Reference	EQUIPMENTS/MATERIALS DESCRIPTION	MR BASELINE DATE	MR FORECAST DATE	MR ACTUAL DATE	RfQ BASELINE DATE	RfQ FORECAST DATE	RfQ ACTUAL DATE	RfQ REF. NUMBER	BASELINE QUOTATION RECEIVED	FORECAST QUOTATION RECEIVED	ACTUAL QUOTATION RECEIVED	PO BASELINE DATE	PO FORECAST DATE	PO ACTUAL DATE	PO REF. NUMBER	SUPPLIER NAME	DELIVERY LEAD TIME	BASELINE READY EW	FORECAST READY EW	LAST ACTUAL READY EW	BASELINE DELIVERY	FORECAST DELIVERY	LAST ACTUAL DELIVERY	% MATERIAL DELIVERED	ITEM/MATERIAL PROGRESS %	% RELATIVE WEIGHT	% RELATIVE WEIGHT Lev. 1	% RELATIVE WEIGHT Lev. 2	PROGRESS %
OVERALL STATUS "PROCUREMENT" TOLMOUNT PROJECT																												100,00%	100,00%	100,00%	15,44%
JACKET																											8,66%	21,84%	100,00%	100,00%	8,66%
STRUCTURAL			JACKET STRUCTURES																								8,66%	21,84%	100,00%	100,00%	1,89%
ST	Bulk	JKPRST1075	Legs Plates	03/08/2018		03/08/2018	10/08/2018		10/08/2018	1318000809	11/09/2018		11/09/2018	02/10/2018	03/10/2018	03/10/2018	1718001187	VOESTALPINE GROBBLECH	13	01/01/2019			08/01/2019			0,00%	30,00%	0,80%	3,65%	3,65%	0,24%
ST	Bulk	JKPRST1105	Node Cans	03/08/2018		03/08/2018	10/08/2018		10/08/2018	1318000809	11/09/2018		11/09/2018	30/10/2018	22/10/2018	22/10/2018	1718001280	VOESTALPINE GROBBLECH	10	22/01/2019	28/12/2018		29/01/2019	04/01/2019		0,00%	30,00%	1,63%	7,48%	7,48%	0,49%
ST	Bulk	JKPRST1110	Bracings	06/08/2018		06/08/2018	10/08/2018		10/08/2018	1318000816	03/09/2018		03/09/2018	01/10/2018	17/10/2018	17/10/2018	1718001265	CIMOLAI SPA	18	23/01/2019	21/02/2019		30/01/2019	28/02/2019		0,00%	30,00%	2,82%	12,91%	12,91%	0,85%
ST	Bulk	JKPRST1100	Anodes and Materials for Cathodic Protection	30/10/2018	31/10/2018	31/10/2018	07/11/2018		07/11/2018	1318001101	21/11/2018	15/11/2018	15/11/2018	13/12/2018					14	19/03/2019			26/03/2019			0,00%	15,00%	0,53%	2,43%	2,43%	0,08%
ST	Bulk	JKPRST1180	Conductor Guides	08/10/2018	19/11/2018	19/11/2018	15/10/2018	20/11/2018	20/11/2018	1318000816	29/10/2018	21/11/2018	21/11/2018	27/11/2018	23/11/2018	23/11/2018	1718001265	CIMOLAI SPA	11	05/03/2019			11/03/2019			0,00%	30,00%	0,15%	0,66%	0,66%	0,04%
ST	Bulk	JKPRST1205	Upper Grillage	12/11/2018	26/11/2018	26/11/2018	19/11/2018	26/11/2018	26/11/2018	1318001184	03/12/2018	28/11/2018	28/11/2018	27/12/2018	10/12/2018				8	24/03/2019	04/02/2019		29/03/2019	09/02/2019		0,00%	15,00%	0,36%	1,66%	1,66%	0,05%
ST	Bulk	JKPRST1325	Piles	02/11/2018	14/12/2018		09/11/2018	21/12/2018			23/11/2018	16/01/2019		03/01/2019	13/02/2019				44	07/11/2019	20/12/2019		14/11/2019	27/12/2019		0,00%	0,00%	9,11%	41,72%	41,72%	0,00%
ST	Bulk	JKPRST1285	Pile Gripper	01/10/2018	07/11/2018	07/11/2018	08/10/2018	08/11/2018	08/11/2018	1318001112	22/10/2018	22/11/2018	22/11/2018	13/11/2018	15/01/2019				22	23/05/2019	15/06/2019		30/05/2019	21/06/2019		0,00%	15,00%	0,92%	4,22%	4,22%	0,14%
ST	Bulk	JKPRST1280	Pile Sleeve Cluster Materials	30/10/2018	11/12/2018		07/11/2018	18/12/2018			21/11/2018	04/01/2019		20/12/2018	25/01/2019				11	21/03/2019	14/04/2019		26/03/2019	19/04/2019		0,00%	0,00%	1,18%	5,39%	5,39%	0,00%
ST	Bulk	JKPRST1380	Risers	20/12/2018			31/12/2018				15/01/2019			12/02/2019					13	12/05/2019			17/05/2019			0,00%	0,00%	0,79%	3,63%	3,63%	0,00%
ST	Bulk	JKPRST1480	Risers Supports	11/01/2019			18/01/2019				01/02/2019			01/03/2019					13	31/05/2019			05/06/2019			0,00%	0,00%	0,42%	1,93%	1,93%	0,00%
ST	Bulk	JKPRST1495	Lower Grillage and Seafastening	30/01/2019	04/03/2019		06/02/2019	11/03/2019			20/02/2019	25/03/2019		20/03/2019	23/04/2019				16	08/07/2019	11/08/2019		15/07/2019	16/08/2019		0,00%	0,00%	0,34%	1,54%	1,54%	0,00%
ST	Bulk	JKPRST1435	Produced Water Caissons	19/12/2018	15/02/2019		28/12/2018	22/02/2019			14/01/2019	08/03/2019		11/02/2019	05/04/2019				12	16/05/2019	28/06/2019		23/05/2019	03/07/2019		0,00%	0,00%	0,33%	1,53%	1,53%	0,00%
ST	Bulk	JKPRST1445	Produced Water Caissons Supports	19/12/2018	15/02/2019		28/12/2018	22/02/2019			14/01/2019	08/03/2019		11/02/2019	05/04/2019				10	03/05/2019	14/06/2019		09/05/2019	19/06/2019		0,00%	0,00%	0,07%	0,30%	0,30%	0,00%
ST	Bulk	JKPRST1440	Caissons and Jtubes	19/12/2018	15/02/2019		28/12/2018	22/02/2019			14/01/2019	08/03/2019		11/02/2019	05/04/2019				14	24/05/2019	12/07/2019		30/05/2019	17/07/2019		0,00%	0,00%	0,30%	1,36%	1,36%	0,00%
ST	Bulk	JKPRST1450	Caissons and Jtubes Supports	19/12/2018	15/02/2019		28/12/2018	22/02/2019			14/01/2019	08/03/2019		11/02/2019	05/04/2019				12	09/05/2019	28/06/2019		16/05/2019	03/07/2019		0,00%	0,00%	0,06%	0,28%	0,28%	0,00%
ST	Bulk	JKPRST1490	Grouting Line	30/01/2019			06/02/2019				20/02/2019			20/03/2019					10	27/05/2019			03/06/2019			0,00%	0,00%	0,02%	0,10%	0,10%	0,00%
ST	Bulk	JKPRST1455	Grout seals & Station	19/12/2018	30/01/2019		28/12/2018	06/02/2019			14/01/2019	20/02/2019		04/02/2019	13/03/2019				14	09/05/2019	19/06/2019		16/05/2019	24/06/2019		0,00%	0,00%	0,43%	1,98%	1,98%	0,00%
ST	Bulk	JKPRST1460	Flooding System & Rubber diaphragms	19/12/2018	11/01/2019		28/12/2018	18/01/2019			14/01/2019	01/02/2019		11/02/2019	01/03/2019				24	26/07/2019	16/08/2019		01/08/2019	22/08/2019		0,00%	0,00%	0,99%	4,54%	4,54%	0,00%
ST	Bulk	JKPRST1520	Trunnions & Padayes	23/11/2018	25/01/2019		30/11/2018	01/02/2019			17/12/2018	15/02/2019		17/01/2019	15/03/2019				9	12/05/2019	15/05/2019		19/05/2019	22/05/2019		0,00%	0,00%	0,15%	0,68%	0,68%	0,00%
ST	Bulk	JKPRST1485	Tertiary Structures (Rigging Platform incl. Grating, Handrails etc…)	31/01/2019	18/03/2019		09/02/2019	25/03/2019			20/02/2019	08/04/2019		20/03/2019	09/05/2019				12	17/06/2019	01/08/2019		24/06/2019	08/08/2019		0,00%	0,00%	0,44%	2,00%	2,00%	0,00%
TOP SIDE																											17,34%	78,16%	100,00%	100,00%	17,34%
STRUCTURE																											13,20%	4,43%	5,67%	100,00%	0,58%
ST	Bulk	TPPRST1150	Topside Structural Material - Hot Rolled Shapes	10/08/2018		10/08/2018	10/08/2018		10/08/2018	1318000813	17/09/2018		17/09/2018	08/10/2018	08/11/2018	08/11/2018	1718001352	MANNISIPRE SPA	15	21/01/2019			28/01/2019			0,00%	30,00%	1,08%	1,38%	24,40%	0,32%
ST	Bulk	TPPRST1205	Topside Structural Material - Pedestal Crane Base	10/08/2018		10/08/2018	10/08/2018		10/08/2018	1318000811 / 1318000815	11/09/2018		11/09/2018	09/10/2018	03/10/2018	03/10/2018	1718001190	VOESTALPINE GROBBLECH	16	29/01/2019			05/02/2019			0,00%	30,00%	0,13%	0,17%	3,00%	0,04%
ST	Bulk	TPPRST1155	Topside Structural Material - Rolled Pipes	10/08/2018		10/08/2018	10/08/2018		10/08/2018	1318000812	17/09/2018		17/09/2018	08/10/2018	17/10/2018	17/10/2018	1718001266	CIMOLAI SPA	15	21/01/2019	01/02/2019		28/01/2019	08/02/2019		0,00%	30,00%	0,12%	0,15%	2,73%	0,04%
ST	Bulk	TPPRST1250	Topside Structural Material - Seamless Pipes	10/08/2018		10/08/2018	10/08/2018		10/08/2018	1318000814	10/09/2018		10/09/2018	15/10/2018	13/11/2018	13/11/2018	1718001355	ARCELORMITTAL PROJECTS EU.	9	17/01/2019	30/11/2018		24/01/2019	07/12/2018		0,00%	30,00%	0,23%	0,29%	5,13%	0,07%
ST	Bulk	TPPRST1160	Topside Structural Material - Lifting Padayes	16/10/2018	21/12/2018		22/10/2018	31/12/2018			05/11/2018	15/01/2019		04/12/2018	12/02/2019				14	18/03/2019	19/05/2019		25/03/2019	24/05/2019		0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
ST	Bulk	TPPRST1165	Topside Structural Material - Primary Plates (Cones & Nodes)	10/08/2018		10/08/2018	10/08/2018		10/08/2018	1318000815	11/09/2018		11/09/2018	02/10/2018	03/10/2018	03/10/2018	1718001190	VOESTALPINE GROBBLECH	14	08/01/2019			15/01/2019			0,00%	30,00%	0,20%	0,25%	4,48%	0,06%
ST	Bulk	TPPRST1245	Topside Structural Material - Secondary Beams	05/10/2018	03/10/2018	03/10/2018	12/10/2018	16/10/2018	16/10/2018	1318000974	26/10/2018	31/10/2018	31/10/2018	17/11/2018	05/12/2018				13	15/02/2019			22/02/2019			0,00%	15,00%	0,21%	0,27%	4,80%	0,03%
ST	Bulk	TPPRST1255	Topside Structural Material - Secondary Plates	12/10/2018	28/11/2018	28/11/2018	19/10/2018	03/12/2018			05/11/2018	11/12/2018		26/11/2018	21/12/2018				10	22/02/2019			01/03/2019			0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
ST	Bulk	TPPRST1260	Topside Structural Material - Corugated Plates (Walls & Blast Walls)	12/10/2018	04/12/2018		19/10/2018	06/12/2018			05/11/2018	11/12/2018		03/12/2018	24/12/2018				9	15/02/2019	26/02/2019		22/02/2019	04/03/2019		0,00%	0,00%	0,23%	0,29%	5,19%	0,00%
ST	Bulk	TPPRST1265	Topside Structural Material - Floor Plates	12/10/2018	28/11/2018	28/11/2018	19/10/2018	03/12/2018			05/11/2018	11/12/2018		03/12/2018	21/12/2018				8	08/02/2019	16/02/2019		15/02/2019	20/02/2019		0,00%	0,00%	0,20%	0,25%	4,42%	0,00%
ST	Bulk	TPPRST1360	Equipment & Structural Piping Supports (Basement, etc…)	26/11/2018	11/01/2019		03/12/2018	18/01/2019			18/12/2018	01/02/2019		15/01/2019	22/02/2019				11	05/04/2019			12/04/2019			0,00%	0,00%	0,13%	0,17%	2,95%	0,00%
ST	Bulk	TPPRST1340	Topside E&I Supports	03/12/2018	18/01/2019		10/12/2018	25/01/2019			27/12/2018	08/02/2019		25/01/2019	01/03/2019				8	29/03/2019	26/04/2019		05/04/2019	30/04/2019		0,00%	0,00%	0,29%	0,37%	6,55%	0,00%
ST	Bulk	TPPRST1335	Topside structural Material - (Handrails, ladders, etc…)	13/12/2018	18/01/2019		20/12/2018	25/01/2019			08/01/2019	08/02/2019		05/02/2019	01/03/2019				8	02/04/2019	26/04/2019		08/04/2019	30/04/2019		0,00%	0,00%	0,25%	0,32%	5,73%	0,00%
ST	Bulk	TPPRST1335	Topside structural Material - Gratings	13/12/2018	18/01/2019		20/12/2018	25/01/2019			08/01/2019	01/02/2019		05/02/2019	15/02/2019				4	10/05/2019	15/03/2019		17/05/2019	19/03/2019		0,00%	0,00%	0,19%	0,24%	4,26%	0,00%
ST	Bulk	TPPRST1395	Miscellaneous Tertiary Structures (Vent, Access Platf. etc.)	25/01/2019	28/02/2019		01/02/2019	07/03/2019			15/02/2019	21/03/2019		15/03/2019	12/04/2019				12	19/06/2019	05/07/2019		26/06/2019	10/07/2019		0,00%	0,00%	0,52%	0,67%	11,74%	0,00%
ST	Bulk	TPPRST1270	Topside - Upper grillage	05/11/2018	19/11/2018	19/11/2018	12/11/2018	20/11/2018	20/11/2018	1318001162	26/11/2018	26/11/2018	26/11/2018	06/12/2018	10/12/2018				12	28/02/2019			06/03/2019			0,00%	15,00%	0,16%	0,21%	3,71%	0,02%
ST	Bulk	TPPRST1370	Lower Grillage and Sea Fastening	12/02/2019	08/03/2019		19/02/2019	15/03/2019			05/03/2019	29/03/2019		02/04/2019	30/04/2019				16	19/07/2019	16/08/2019		26/07/2019	22/08/2019		0,00%	0,00%	0,48%	0,62%	10,92%	0,00%
ARCHITECTURAL																											1,42%	0,81%	1,03%	100,00%	0,01%
AR	Bulk	TPPRAR1100	Thermal & Fire Insulation (incl. Panel Walls)	25/10/2018	26/10/2018	26/10/2018	02/11/2018	14/02/2019			16/11/2018	28/02/2019		17/12/2018	11/04/2019				11	14/03/2019	25/06/2019		21/03/2019	02/07/2019		0,00%	0,00%	0,25%	0,32%	31,14%	0,00%
AR	Bulk	TPPRAR1165	Pin, Clips, Studs, and Threated hanger	25/10/2018	26/10/2018	26/10/2018	02/11/2018	09/11/2018	09/11/2018	1318001109	16/11/2018	04/12/2018		17/12/2018	04/02/2019				8	14/02/2019	01/04/2019		21/02/2019	08/04/2019		0,00%	5,00%	0,01%	0,01%	0,90%	0,00%
AR	Bulk	TPPRAR1185	Fire rated Door	15/11/2018		15/11/2018	22/11/2018	23/11/2018	23/11/2018	1318001154	06/12/2018	10/12/2018		09/01/2019	17/01/2019				17	07/05/2019	14/05/2019		13/05/2019	21/05/2019		0,00%	5,00%	0,22%	0,28%	27,54%	0,01%
AR	Bulk	TPPRAR1245	Internal Linings & Partitions	31/01/2019			07/02/2019	14/02/2019			21/02/2019	28/02/2019		21/03/2019	11/04/2019				11	04/06/2019	25/06/2019		11/06/2019	02/07/2019		0,00%	0,00%	0,05%	0,06%	6,29%	0,00%
AR	Bulk	TPPRAR1255	Floors	31/01/2019			07/02/2019	14/02/2019			21/02/2019	28/02/2019		21/03/2019	11/04/2019				11	04/06/2019	25/06/2019		11/06/2019	02/07/2019		0,00%	0,00%	0,17%	0,22%	21,56%	0,00%
AR	Bulk	TPPRAR1195	Toilets	22/11/2018	23/11/2018	23/11/2018	29/11/2018	14/02/2019			14/12/2018	28/02/2019		23/01/2019	11/04/2019				11	03/04/2019	25/06/2019		10/04/2019	02/07/2019		0,00%	0,00%	0,00%	0,01%	0,60%	0,00%
AR	Bulk	TPPRAR1270	Forniture	07/02/2019			14/02/2019	14/02/2019			28/02/2019	28/02/2019		28/03/2019	11/04/2019				11	26/06/2019	25/06/2019		02/07/2019	02/07/2019		0,00%	0,00%	0,09%	0,12%	11,68%	0,00%
AR	Bulk	TPPRAR1235	Sewage and Hot & Cold Water System	06/12/2018	20/12/2018		14/12/2018	14/02/2019			02/01/2019	28/02/2019		06/02/2019	11/04/2019				11	06/05/2019	25/06/2019		13/05/2019	02/07/2019		0,00%	0,00%	0,00%	0,00%	0,30%	0,00%
MECHANICAL			EQUIPMENT																								27,63%	32,13%	41,11%	100,00%	8,88%
ME	Equipment	TPPRME1095	82EG002/84EG001 - Main Power and Emergency Diesel Generator	20/06/2018		20/06/2018	21/06/2018		21/06/2018	1318000592	09/07/2018		09/07/2018	28/08/2018		28/08/2018	1718001015	DALE POWER SOLUTIONS PLC	46	19/07/2019			02/08/2019			0,00%	30,00%	6,38%	8,16%	19,84%	1,91%
ME	Equipment	TPPRME1215	82EG001 - Power Gas Generator	02/10/2018		02/10/2018	09/10/2018	08/10/2018	08/10/2018	1318000988	16/10/2018		16/10/2018	14/11/2018	27/11/2018	27/11/2018	1718001212	FORES ENGINEERING SRL	37	02/08/2019	31/07/2019		09/08/2019	05/08/2019		0,00%	30,00%	1,91%	2,44%	5,93%	0,57%
ME	Equipment	TPPRME1080	20VA001 - 3 Phase Production Separator	22/06/2018		22/06/2018	02/07/2018		02/07/2018	1318000630	20/07/2018		20/07/2018	31/08/2018		31/08/2018	1718001044	MANGIAROTTI S.P.A.	50	15/08/2019			22/08/2019			0,00%	30,00%	2,70%	3,45%	8,39%	0,81%
ME	Equipment	TPPRME1085	44XA001 - Produced Water Treatment Package	03/07/2018		03/07/2018	03/07/2018		03/07/2018	1318000666	19/07/2018		19/07/2018	21/09/2018		21/09/2018	1718001125	FMC SEPARATION SYSTEM BV	55	12/10/2019			08/11/2019			0,00%	30,00%	11,28%	14,43%	35,11%	3,38%
ME	Equipment	TPPRME1090	73MA001 - Pedestal Crane	18/06/2018		18/06/2018	19/06/2018		19/06/2018	1318000600	10/07/2018		10/07/2018	30/08/2018		30/08/2018	1718001038	LIEBHERR-MCCTEC ROSTOCK	64	21/11/2019			19/12/2019			0,00%	30,00%	5,00%	6,40%	15,58%	1,50%
ME	Equipment	TPPRME1220	32LE001 - Sphere Launcher	20/09/2018		20/09/2018	27/09/2018		27/09/2018	1318000951	18/10/2018	19/10/2018	19/10/2018	10/12/2018					40	16/09/2019			25/09/2019			0,00%	15,00%	0,59%	0,76%	1,84%	0,09%
ME	Equipment	TPPRME1295	64CX001 - Nitrogen Bottle Storage Rack	18/01/2019	28/01/2019		29/01/2019	04/02/2019			12/02/2019	18/02/2019		02/04/2019	08/04/2019				26	30/09/2019			07/10/2019			0,00%	0,00%	0,14%	0,17%	0,42%	0,00%
ME	Equipment	TPPRME1235	46XR001 - Methanol Injection System / IRCD	15/10/2018	26/10/2018	26/10/2018	22/10/2018	29/10/2018	29/10/2018	1318000992	29/10/2018	06/11/2018	06/11/2018	04/12/2018	10/12/2018				32	18/07/2019	11/07/2018		25/07/2019	18/07/2018		0,00%	15,00%	0,88%	1,12%	2,73%	0,13%
ME	Equipment	TPPRME1255	42XR001 - Chemical Injection Package	15/10/2018	26/10/2018	26/10/2018	22/10/2018	29/10/2018	29/10/2018	1318000992	29/10/2018	06/11/2018	06/11/2018	04/12/2018	10/12/2018				33	25/07/2019	11/07/2018		01/08/2019	18/07/2018		0,00%	15,00%	1,55%	1,98%	4,83%	0,23%
ME	Equipment	TPPRME1190	45XX001 - Fuel gas conditioning Package (for PGG)	02/10/2018		02/10/2018	09/10/2018	08/10/2018	08/10/2018	1318000988	16/10/2018		16/10/2018	14/11/2018	27/11/2018	27/11/2018	1718001212	FORES ENGINEERING SRL	37	02/08/2019	28/06/2018		09/08/2019	04/07/2018		0,00%	30,00%	0,82%	1,05%	2,54%	0,25%
ME	Equipment	TPPRME1285	62PB001 - Diesel Supply Pump	06/12/2018	14/12/2018		14/12/2018	21/12/2018			02/01/2019	16/01/2019		13/02/2019	27/02/2019				23	22/07/2019	05/08/2019		29/07/2019	12/08/2019		0,00%	0,00%	0,19%	0,24%	0,58%	0,00%
ME	Equipment	TPPRME1260	Atmospheric Retangular Tank (Water Storage / Open Drain Sump / Diesel storage / Tote Tanks)	30/10/2018	27/11/2018	27/11/2018	09/11/2018	04/12/2018			30/11/2018	28/12/2018		29/01/2019	18/02/2019				17	21/05/2019	13/06/2019		04/06/2019	27/06/2019		0,00%	0,00%	0,71%	0,90%	2,20%	0,00%
HVAC			HVAC Equipment and Bulk Material																								0,00%	0,99%	1,26%	100,00%	0,00%
HV	Equipment	TPPRHV1120	77GA001 - HVAC EOA & LER MAIN ITEMS (AHU, Fans, Split Units)	19/11/2018	29/11/2018	29/11/2018	26/11/2018	06/12/2018			11/12/2018	21/12/2018		01/02/2019	13/02/2019				25	24/07/2019			31/07/2019			0,00%	0,00%	0,49%	0,63%	49,51%	0,00%
HV	Bulk	TPPRHV1020	HVAC EOA & LER dampers	14/12/2018			21/12/2018				09/01/2019			27/02/2019					14	03/06/2019			10/06/2019			0,00%	0,00%	0,10%	0,12%	9,80%	0,00%
HV	Bulk	TPPRHV1085	HVAC EOA & LER LOOSE ITEMS (Coalescer Filters, Air Filters, Attenuators, ductwork)	15/02/2019			22/02/2019				08/03/2019			30/04/2019					13	31/07/2019			07/08/2019			0,00%	0,00%	0,21%	0,27%	21,08%	0,00%
HV	Bulk	TPPRHV1090	HVAC EOA & LER Electric Heaters	15/02/2019			22/02/2019				08/03/2019			30/04/2019					13	31/07/2019			07/08/2019			0,00%	0,00%	0,10%	0,12%	9,80%	0,00%
HV	Bulk	TPPRHV1095	HVAC EOA & LER Instruments	15/02/2019			22/02/2019				08/03/2019			30/04/2019					13	31/07/2019			07/08/2019			0,00%	0,00%	0,10%	0,12%	9,80%	0,00%
PIPING			PIPING AND MANUAL VALVES																								14,89%	11,20%	14,33%	100,00%	1,67%
PI	Bulk	TPPRPI1100	Ball Valve	17/07/2018		17/07/2018	23/08/2018		23/08/2018	1318000810	18/09/2018		18/09/2018	19/11/2018	14/12/2018				26	05/06/2019	17/06/2019		12/06/2019	24/06/2019		0,00%	15,00%	2,42%	3,09%	21,60%	0,36%
PI	Bulk	TPPRPI1105	Double Block & Blead Valves	17/07/2018		17/07/2018	23/08/2018		23/08/2018	1318000807	18/09/2018		18/09/2018	19/11/2018	14/12/2018				26	05/06/2019	17/06/2019		12/06/2019	24/06/2019		0,00%	15,00%	0,54%	0,69%	4,82%	0,08%
PI	Bulk	TPPRPI1110	Gate/Globe/Check/Butterfly Valves	17/07/2018		17/07/2018	23/08/2018		23/08/2018	1318000808	18/09/2018		18/09/2018	19/11/2018	10/01/2019				26	05/06/2019	09/07/2019		12/06/2019	16/07/2019		0,00%	15,00%	2,47%	3,17%	22,10%	0,37%
PI	Bulk	TPPRPI1120	Duplex / Superduplex Materials - BW Fittings	01/08/2018		01/08/2018	31/08/2018		31/08/2018	1318000831	14/09/2018		14/09/2018	05/11/2018	07/12/2018				24	12/05/2019	26/05/2019		19/05/2019	01/06/2019		0,00%	15,00%	0,82%	1,05%	7,32%	0,12%
PI	Bulk	TPPRPI1120	Duplex / Superduplex Materials - Flanges	01/08/2018		01/08/2018	31/08/2018		31/08/2018	1318000830	14/09/2018		14/09/2018	05/11/2018	30/11/2018	30/11/2018	1718001464	OFFICINE AMBROGIO MELESI & C.	16	22/05/2019	22/03/2019		29/05/2019	28/03/2019		0,00%	30,00%	0,55%	0,71%	4,93%	0,17%
PI	Bulk	TPPRPI1120	Duplex / Superduplex Materials - Forged Fittings	01/08/2018		01/08/2018	31/08/2018		31/08/2018	1318000832	19/09/2018		19/09/2018	07/11/2018	07/12/2018				24	14/05/2019	26/05/2019		21/05/2019	01/06/2019		0,00%	15,00%	0,04%	0,05%	0,37%	0,01%
PI	Bulk	TPPRPI1120	Duplex / Superduplex Materials - Pipes	01/08/2018		01/08/2018	31/08/2018		31/08/2018	1318000834	12/09/2018		12/09/2018	31/10/2018	30/11/2018	30/11/2018	1718001466	IBF SPA	22	30/04/2019	05/05/2019		07/05/2019	11/05/2019		0,00%	30,00%	1,21%	1,54%	10,78%	0,36%
PI	Bulk	TPPRPI1290	Stainless Steel Materials - BW Fittings	31/10/2018	08/11/2018	08/11/2018	08/11/2018	22/11/2018	22/11/2018	1318001170	22/11/2018	10/12/2018		16/01/2019	28/01/2019				18	03/06/2019	06/06/2019		10/06/2019	13/06/2019		0,00%	5,00%	0,03%	0,03%	0,24%	0,00%
PI	Bulk	TPPRPI1290	Stainless Steel Materials - Flanges	31/10/2018	08/11/2018	08/11/2018	08/11/2018	05/12/2018			22/11/2018	21/12/2018		16/01/2019	08/02/2019				18	03/06/2019	17/06/2019		10/06/2019	24/06/2019		0,00%	0,00%	0,02%	0,03%	0,19%	0,00%
PI	Bulk	TPPRPI1290	Stainless Steel Materials - Forged Fittings	31/10/2018	08/11/2018	08/11/2018	08/11/2018	07/12/2018			22/11/2018	21/12/2018		16/01/2019	08/02/2019				18	03/06/2019	16/06/2019		10/06/2019	23/06/2019		0,00%	0,00%	0,00%	0,01%	0,04%	0,00%
PI	Bulk	TPPRPI1290	Stainless Steel Materials - Pipes	31/10/2018	08/11/2018	08/11/2018	08/11/2018	20/11/2018	20/11/2018	1318001161	22/11/2018	10/12/2018		16/01/2019	28/01/2019				18	03/06/2019			10/06/2019			0,00%	5,00%	0,07%	0,09%	0,65%	0,00%
PI	Bulk	TPPRPI1295	CS Material - BW Fittings (only for Hook Up)	31/10/2018	14/11/2018	14/11/2018	08/11/2018	22/11/2018	22/11/2018	1318001169	22/11/2018	14/12/2018		16/01/2019	18/02/2019				19	03/06/2019	27/06/2019		10/06/2019	04/07/2019		0,00%	5,00%	0,00%	0,00%	0,00%	0,00%
PI	Bulk	TPPRPI1295	CS Material - Flanges (only for Hook Up)	31/10/2018		31/10/2018	08/11/2018		08/11/2018	n/a	22/11/2018		n/a	16/01/2019					13	17/04/2019			24/04/2019			0,00%	15,00%	0,00%	0,00%	0,00%	0,00%
PI	Bulk	TPPRPI1295	CS Material - Forged Fittings (only for Hook Up)	31/10/2018		31/10/2018	08/11/2018		08/11/2018	n/a	22/11/2018		n/a	16/01/2019					13	17/04/2019			24/04/2019			0,00%	15,00%	0,00%	0,00%	0,00%	0,00%
PI	Bulk	TPPRPI1295	CS Material - Pipes (only for Hook Up)	31/10/2018	08/11/2018	08/11/2018	08/11/2018	22/11/2018	22/11/2018	1318001168	22/11/2018	14/12/2018		16/01/2019	18/02/2019				13	17/04/2019	20/05/2019		24/04/2019	27/05/2019		0,00%	5,00%	0,25%	0,32%	2,25%	0,01%
PI	Bulk	TPPRPI1408	Pipe Bends	13/11/2018	21/12/2018		20/11/2018	04/01/2019			04/12/2018	18/01/2019		28/01/2019	01/03/2019				28	09/08/2019			16/08/2019			0,00%	0,00%	0,63%	0,80%	5,62%	0,00%
PI	Bulk	TPPRPI1115	Piping Grayloc	01/08/2018		01/08/2018	31/08/2018		31/08/2018	1318000833	05/10/2018	13/11/2018	13/11/2018	12/11/2018	10/12/2018				31	03/09/2019	13/07/2019		10/09/2019	23/07/2019		0,00%	15,00%	1,19%	1,52%	10,61%	0,18%
PI	Bulk	TPPRPI1285	Api flange	31/10/2018	22/02/2019		08/11/2018	01/03/2019			22/11/2018	22/03/2019		14/01/2019	08/05/2019				16	11/05/2019	25/08/2019		18/05/2019	29/08/2019		0,00%	0,00%	0,02%	0,02%	0,17%	0,00%
PI	Bulk	TPPRPI1310	Barred Tee	13/11/2018	13/12/2018		20/11/2018	20/12/2018			04/12/2018	10/01/2019		28/01/2019	21/02/2019				18	06/06/2019	25/06/2019		13/06/2019	02/07/2019		0,00%	0,00%	0,34%	0,44%	3,07%	0,00%
PI	Bulk	TPPRPI1300	Piping Supports	20/11/2018	11/01/2019		27/11/2018	15/01/2019			12/12/2018	29/01/2019		07/01/2019	12/02/2019				9	11/03/2019			18/03/2019			0,00%	0,00%	0,07%	0,09%	0,65%	0,00%
PI	Bulk	TPPRPI1315	Piping Spring Support	13/12/2018	08/02/2019		20/12/2018	15/02/2019			08/01/2019	01/03/2019		26/02/2019	19/04/2019				13	31/05/2019	17/07/2019		07/06/2019	24/07/2019		0,00%	0,00%	0,01%	0,01%	0,06%	0,00%
PI	Bulk	TPPRPI1315	Spring return valve	20/11/2018	08/02/2019		27/11/2018	15/02/2019			11/12/2018	01/03/2019		29/01/2019	19/04/2019				13	30/04/2019	17/07/2019		07/05/2019	24/07/2019		0,00%	0,00%	0,00%	0,00%	0,02%	0,00%
PI	Bulk	TPPRPI1365	Studs & Bolts	13/02/2019			20/02/2019				06/03/2019			26/04/2019					11	08/07/2019			15/07/2019			0,00%	0,00%	0,13%	0,16%	1,14%	0,00%
PI	Bulk	TPPRPI1365	Gaskets	13/02/2019			20/02/2019				06/03/2019			26/04/2019					11	08/07/2019			15/07/2019			0,00%	0,00%	0,09%	0,12%	0,82%	0,00%
PI	Bulk	TPPRPI1365	Flame Arresters	13/02/2019			20/02/2019				06/03/2019			26/04/2019					11	08/07/2019			15/07/2019			0,00%	0,00%	0,14%	0,18%	1,27%	0,00%
PI	Bulk	TPPRPI1365	Mechanical Key Interlocks	13/02/2019			20/02/2019				06/03/2019			26/04/2019					11	08/07/2019			15/07/2019			0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
PI	Bulk	TPPRPI1365	Bird Screen	13/02/2019			20/02/2019				06/03/2019			26/04/2019					11	08/07/2019			15/07/2019			0,00%	0,00%	0,00%	0,00%	0,02%	0,00%
PI	Bulk	TPPRPI1305	"Y" Type Strainers diesel	13/11/2018	25/01/2019		20/11/2018	01/02/2019			04/12/2018	15/02/2019		28/01/2019	29/03/2019				11	08/04/2019	11/06/2019		15/04/2019	18/06/2019		0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
PI	Bulk	TPPRPI1305	Flexible Hoses	13/11/2018	25/01/2019		20/11/2018	01/02/2019			04/12/2018	15/02/2019		28/01/2019	29/03/2019				11	08/04/2019	11/06/2019		15/04/2019	18/06/2019		0,00%	0,00%	0,08%	0,10%	0,69%	0,00%
PI	Bulk	TPPRPI1305	Chemical Injection Quill	13/11/2018	01/02/2019		20/11/2018	08/02/2019			04/12/2018	22/02/2019		28/01/2019	05/04/2019				11	08/04/2019	19/06/2019		15/04/2019	26/06/2019		0,00%	0,00%	0,06%	0,08%	0,56%	0,00%
ELECTRICAL			ELECTRICAL EQUIPMENT & BULK																								0,00%	4,14%	5,30%	100,00%	0,00%
EL	Equipment	TPPREL1335	82EL001 /2 / 84EL001 - Main LV Switchboard	30/11/2018	21/12/2018		10/12/2018	04/01/2019			24/12/2018	18/01/2019		14/02/2019	01/03/2019				26	14/08/2019			21/08/2019			0,00%	0,00%	1,00%	1,28%	24,18%	0,00%
EL	Equipment	TPPREL1325	Distribution Boards For Indoor Installation	14/12/2018	18/01/2019		21/12/2018	25/01/2019			09/01/2019	08/02/2019		20/02/2019	29/03/2019				17	19/06/2019	24/07/2019		24/06/2019	31/07/2019		0,00%	0,00%	0,07%	0,09%	1,75%	0,00%
EL	Equipment	TPPREL1330	Distribution Boards For Outdoor Installation	18/01/2019			25/01/2019				08/02/2019			22/03/2019	29/03/2019				19	31/07/2019	07/08/2019		07/08/2019	14/08/2019		0,00%	0,00%	0,40%	0,51%	9,70%	0,00%
EL	Equipment	TPPREL1285	85ER001A/85ER001B - UPS & Batteries	21/12/2018			02/01/2019				16/01/2019			06/03/2019					22	07/08/2019			12/08/2019			0,00%	0,00%	0,61%	0,79%	14,84%	0,00%
EL	Equipment	TPPREL1310	85EC001 - Navigational Aids	25/01/2019			01/02/2019				15/02/2019			05/04/2019					20	23/08/2019			29/08/2019			0,00%	0,00%	0,24%	0,31%	5,90%	0,00%
EL	Equipment	TPPREL1345	Electrical Heat Tracing	29/03/2019			05/04/2019				19/04/2019			05/06/2019					16	26/09/2019			03/10/2019			0,00%	0,00%	0,12%	0,15%	2,80%	0,00%
EL	Bulk	TPPREL1080	Electrical Cables	15/02/2019			22/02/2019				08/03/2019			12/04/2019					14	17/07/2019			24/07/2019			0,00%	0,00%	0,47%	0,60%	11,39%	0,00%
EL	Bulk	TPPREL1095	Lighting Fixture	01/02/2019			08/02/2019				22/02/2019			29/03/2019					13	26/06/2019			03/07/2019			0,00%	0,00%	0,41%	0,52%	9,81%	0,00%
EL	Bulk	TPPREL1090	Electrical Cable Trays	01/03/2019			08/03/2019				22/03/2019			26/04/2019					11	08/07/2019			15/07/2019			0,00%	0,00%	0,65%	0,83%	15,71%	0,00%
EL	Bulk	TPPREL1370	Junction Box/Cable Gland	15/03/2019			22/03/2019				05/04/2019			24/05/2019					10	02/08/2019			09/08/2019			0,00%	0,00%	0,08%	0,11%	2,04%	0,00%
EL	Bulk	TPPREL1085	Bulk Materials	15/03/2019			22/03/2019				05/04/2019			24/05/2019					10	02/08/2019			09/08/2019			0,00%	0,00%	0,08%	0,10%	1,87%	0,00%
INSTRUMENTATION			INSTRUMENTATION EQUIPMENT & BULK																								12,43%	18,20%	23,29%	100,00%	2,26%
IC	Equipment	TPPRIC1470	Control System (ICSS)	15/11/2018	23/11/2018	23/11/2018	22/11/2018	23/11/2018	23/11/2018	1318000991	23/11/2018		23/11/2018	17/12/2018					31	24/07/2019			31/07/2019			0,00%	15,00%	4,76%	6,09%	26,14%	0,71%
IC	Equipment	TPPRIC1420	IOPPS System and Marshalling Cabinet	09/08/2018		09/08/2018	20/08/2018		20/08/2018	1318000825	03/09/2018		03/09/2018	06/11/2018	17/12/2018				36	18/07/2019			25/07/2019			0,00%	15,00%	1,16%	1,49%	6,39%	0,17%
IC	Equipment	TPPRIC1460	65-UM-001 - Wellhead Control Panel (WHCP)	05/10/2018		05/10/2018	12/10/2018	08/10/2018	08/10/2018	1318000989	19/10/2018		19/10/2018	19/11/2018	23/11/2018	23/11/2018	1718001215	FORES ENGINEERING SRL	34	17/07/2019	28/06/2018		24/07/2019	04/07/2018		0,00%	30,00%	0,97%	1,24%	5,32%	0,29%
IC	Bulk	TPPRIC1040	ESD Valves	27/07/2018		27/07/2018	10/08/2018		10/08/2018	1318000768	14/09/2018		14/09/2018	10/10/2018	21/11/2018	21/11/2018	1718001079	EMERSON PROCESS MAN. SRL	36	23/06/2019	30/06/2019		30/06/2019	05/07/2019		0,00%	30,00%	0,39%	0,50%	2,17%	0,12%
IC	Bulk	TPPRIC1040	ON-OFF Valves	27/07/2018		27/07/2018	10/08/2018		10/08/2018	1318000767	05/09/2018		05/09/2018	10/10/2018	21/11/2018	21/11/2018	1718001079	EMERSON PROCESS MAN. SRL	35	14/06/2019	30/06/2019		21/06/2019	05/07/2019		0,00%	30,00%	2,22%	2,84%	12,19%	0,67%
IC	Bulk	TPPRIC1045	Control Valves	09/08/2018		09/08/2018	20/08/2018		20/08/2018	1318000824	03/09/2018		03/09/2018	12/10/2018	21/12/2018				42	11/08/2019	22/08/2019		22/08/2019	29/08/2019		0,00%	15,00%	0,92%	1,18%	5,05%	0,14%
IC	Bulk	TPPRIC1520	Self actuated control valve	29/10/2018	13/12/2018		06/11/2018	20/12/2018			13/11/2018	10/01/2019		04/12/2018	07/02/2019				38	13/09/2019	30/10/2019		20/09/2019	06/11/2019		0,00%	0,00%	0,06%	0,08%	0,35%	0,00%
IC	Bulk	TPPRIC1140	Choke Valves	12/10/2018	16/10/2018	16/10/2018	19/10/2018	24/10/2018	24/10/2018	1318001054	26/10/2018	10/12/2018		24/11/2018	18/01/2019				36	31/07/2019			07/08/2019			0,00%	5,00%	0,54%	0,69%	2,98%	0,03%
IC	Bulk	TPPRIC1140	Pressure and Temperature Safety Valves	12/10/2018	16/10/2018	16/10/2018	19/10/2018	24/10/2018	24/10/2018	1318001053	26/10/2018	30/11/2018	30/11/2018	26/11/2018	11/01/2019				37	12/08/2019			22/08/2019			0,00%	15,00%	0,13%	0,16%	0,69%	0,02%
IC	Bulk	TPPRIC1180	Acoustic Sand Detector / Monitoring Sand Detector	25/10/2018	23/11/2018	23/11/2018	02/11/2018	06/12/2018			16/11/2018	21/12/2018		07/01/2019	13/02/2019				32	16/08/2019			23/08/2019			0,00%	0,00%	0,48%	0,61%	2,62%	0,00%
IC	Bulk	TPPRIC1285	Flowline Metering System	19/12/2018			28/12/2018				14/01/2019			04/03/2019					28	13/09/2019			20/09/2019			0,00%	0,00%	0,33%	0,43%	1,83%	0,00%
IC	Bulk	TPPRIC1230	Corrosion Coupon Detector	08/11/2018	15/11/2018	15/11/2018	15/11/2018	06/12/2018			29/11/2018	21/12/2018		18/01/2019	13/02/2019				36	26/09/2019			03/10/2019			0,00%	0,00%	0,02%	0,02%	0,09%	0,00%
IC	Bulk	TPPRIC1160	Level Transmitter	09/11/2018	15/11/2018	15/11/2018	16/11/2018	06/12/2018			30/11/2018	21/12/2018		24/01/2019	06/03/2019				25	06/08/2019	28/08/2019		13/08/2019	03/09/2019		0,00%	0,00%	0,05%	0,07%	0,29%	0,00%

Attachment 3 - Example of BASELINE SCHEDULE

Activity ID	Activity Name
JCK ERE 1240	4.2.1 - Bracings Elevations erection
JCK ERE 1250	4.2.1 - Bracings Rows 1 & 2 erection
JCK ERE 1260	4.2.1 - Mud Mats on Legs A1 & B1 erection
JCK ERE 1270	4.2.1 - Disposal Tube and supports erection
JCK ERE 1280	4.2.3 - Risers and supports erection
JCK ERE 1290	4.2.1 - J-Tube and supports erection
JCK ERE 1300	4.2.1 - Piles final assembly
JCK ERE 1310	4.2.1 - Roll Up - Row A
JCK ERE 1320	4.2.1 - Roll Up - Row B
JCK ERE 1330	4.2.1 - Interconnectiing & Welding Frames
JCK ERE 1340	4.2.1 - Infill Bracings erection
JCK ERE 1350	4.2.1 - Tertiary Structure erection
JCK ERE 1360	4.2.1 - Mud Mats on Legs A2 & B2 erection
JCK ERE 1370	4.2.5 - Grouting and appurtenances installation
Installation Aids	
JCK IA 1000	4.2.8 - Lifting Padeyes and Trunnions pre-fabrication and Installation
JCK IA 1010	4.2.8 - Sling and Rigging Installation
Weighing & Findlization	
JCK WGH 1000	Jacket's Barge Arrival at Yard
JCK WGH 1010	4.2.10 - Jacket's Barge preparation and Erection Lower Grillage
JCK WGH 1020	4.2.9 - Jacket Weighing
Load-Out and Sea-Fastening	
JCK LSF 1000	FENIX Piles Ready for Load Out
JCK LSF 1010	4.2.10 - Piles Load Out
JCK LSF 1020	FENIX Jacket Ready for Load Out
JCK LSF 1030	4.2.10 - Jacket Load Out
JCK LSF 1040	4.3.9 - Jacket and Piles Sea Fastening
JCK LSF 1050	FENIX Jacket and Piles Ready for Sail Away
WU 4.3 FENIX Topside	
Structure Pre-Fabrication	
TOP FAB 1000	4.3.1.1 - Drain Deck Structural pre-fabrication - Block D
TOP FAB 1010	4.3.1.1 - Stabbing Guides pre-fabrication
TOP FAB 1020	4.3.2.1 - Lower Deck Structural pre-fabrication - Block LM 1
TOP FAB 1030	4.3.3.1 - Mezzanine Deck Structural pre-fabrication - Block LM 1
TOP FAB 1040	4.3.2.1 - Lower Deck Structural pre-fabrication - Block LM 2
TOP FAB 1050	4.3.10 - Topside Upper Grillage pre-fabrication
TOP FAB 1060	4.3.3.1 - Mezzanine Deck Structural pre-fabrication - Block LM 2
TOP FAB 1070	4.3.2.1 - Lower Deck Structural pre-fabrication - Block LM 3
TOP FAB 1080	4.3.4.1 - Upper Deck Structural pre-fabrication - Block U 1
TOP FAB 1090	4.3.4.1 - Upper Deck Structural pre-fabrication - Block U 2
TOP FAB 1095	4.3.2.12.1 - Technical Room / Accomodation Shelter Structural pre-fabrication
TOP FAB 1100	4.3.4.1 - Upper Deck Structural pre-fabrication - Block U 3
TOP FAB 1110	4.3.4.1 - Helideck Structural pre-fabrication
TOP FAB 1130	4.3.4.1 - Vent Boom Structural pre-fabrication
TOP FAB 1140	4.3.4.1 - Telecom Mast Structural pre-fabrication
TOP FAB 1150	4.3.10 - Topside Lower Grillage pre-fabrication
TOP FAB 1160	4.3.9 - Topside Sea Fastening pre-fabrication
Structure Pre-Assembly	
TOP PAS 1000	Yard Supports preparation and positioning
TOP PAS 1010	4.3.1.1 - Drain Deck Structural pre-assembly - Block D
TOP PAS 1020	4.3.2.1 - Lower Deck & Mezzanine Deck Structural pre-assembly - Block LM 1



ROSETTI MARINO

Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work
Milestone

TOTAL AUSTRAL

Fenix Project - Offshore Wellhead Platform

- Engineering, Procurement, Construction, Commissioning, Load Out & Seafastening -

PRELIMINARY OVERALL PROJECT SCHEDULE

Date	Revision	Checked	Approved
28-Nov-17	FENIX Wellhead Platform Schedule - Issue for BID_rev.00	DB	LG
21-Apr-21	FENIX Wellhead Platform Schedule - Issue for BID_rev.01	DB	AF

Attachment 4 – Example of Progress Measurement System Database (PMS)

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy.

ROSETTI MARINO
Group of Companies

- PROGRESS MEASUREMENT SYSTEM -

PROJECT :
CLIENT :
CUT OFF DATE : 28/05/2016

DESCRIPTION	Project Relative Weight	Project Relative Weight Progress	WP Relative Weight	WP Relative Weight Progress	Budgeted Units	Current Estimate at Completion	PERIIOD VALUES: Planned progress	Planned Hours Period	Actual Phisical progress	Earned Value	Actual Value	Planned Previous week	CURRENT CUMULATIVES: Planned Early Progress	Planned Early Value	Planned Median Progress	Planned Late Progress	Planned for next week	Actual Progress	Earned Value	Actual Value	SPI	CPI	Ahead / Behind	PREVIOUS WEEK CUMULATIVES: Actual Phisical progress	Earned Value	Actual Value
	100,00%	46,82%			282.404,10	268.680,26	0,70%	3.802,16	5,49%	10.479,26	9.545,40	42,51%	43,30%	111.650,96	41,64%	39,98%	53,99%	46,82%	110.407,77	99.097,57	0,99	1,11	OK	41,33%	99.928,51	89.560,17
WP 1 Management, Project Control and Administration	8,55%	4,13%	100,00%	48,29%	58.520,50	58.520,50	2,06%	1.207,75	2,06%	1.207,75	1.207,75	46,23%	48,29%	28.260,50	48,29%	48,29%	50,50%	48,29%	28.260,50	28.260,50	1,00	1,00	OK	46,23%	27.052,75	27.052,75
WP 2 Yard Engineering	1,72%	1,03%	100,00%	59,76%	7.944,00	7.944,00	6,54%	519,20	1,87%	148,80	148,80	57,19%	63,72%	5.062,00	55,91%	48,10%	64,14%	59,76%	4.747,00	4.747,00	0,94	1,00	BEHIND	57,88%	4.598,20	4.598,20
WP 3 Material Procurement & Supply	69,80%	38,24%	100,00%	54,79%	100.000,00	100.000,00	0,18%	175,37	7,13%	7.134,35	7.134,35	47,79%	47,97%	47.965,40	46,23%	44,49%	62,49%	54,79%	54.790,07	54.790,07	1,14	1,00	OK	47,66%	47.655,72	47.655,72
3.1 - 7-Slot Mid C-East Manifold c/w Integral FPS	28,32%	19,84%	40,57%	28,42%	40.569,46	40.569,46	0,00%	0,00	11,42%	4.634,49	4.634,49	48,84%	48,84%	19.815,36	48,59%	48,33%	83,06%	70,05%	28.419,36	28.419,36	1,43	1,00	OK	58,63%	23.784,87	23.784,87
3.2 - 7-Slot End C-East Manifold c/w Integral FPS	26,63%	12,66%	38,15%	18,14%	38.147,41	38.147,41	0,38%	146,74	5,06%	1.928,58	1.928,58	49,32%	49,71%	18.961,53	47,92%	46,13%	49,73%	47,56%	18.141,62	18.141,62	0,96	1,00	BEHIND	42,50%	16.213,04	16.213,04
3.3 - 2-Slot C-Central A PLEM c/w Integral FPS	10,38%	4,25%	14,87%	6,09%	14.867,68	14.867,68	0,00%	0,00	3,18%	473,37	473,37	45,78%	45,78%	6.806,43	41,05%	36,33%	48,51%	40,95%	6.088,90	6.088,90	0,89	1,00	BEHIND	37,77%	5.615,53	5.615,53
3.4 - CC09 PLEM c/w Integral FPS	3,52%	1,42%	5,04%	2,03%	5.043,44	5.043,44	0,57%	28,63	1,90%	95,67	95,67	46,66%	47,23%	2.382,07	42,35%	37,46%	47,23%	40,34%	2.034,76	2.034,76	0,85	1,00	BEHIND	38,45%	1.939,08	1.939,08
3.5 - All Drilling Templates	0,42%	0,07%	0,61%	0,11%	607,62	607,62	0,00%	0,00	0,37%	2,24	2,24	0,00%	0,00%	0,00	0,00%	0,00%	22,50%	17,35%	105,44	105,44	EARLY START	EARLY START	OK	16,98%	103,20	103,20
3.6 - All Dummies	0,30%	0,00%	0,43%	0,00%	430,35	430,35	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	22,50%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
3.7 - CHC Parking Structure	0,23%	0,00%	0,33%	0,00%	334,05	334,05	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
WP 4 Manufacture, Fabrication & Assembly	16,38%	3,42%	100,00%	20,87%	108.339,60	94.615,76	1,75%	1.899,84	1,84%	1.988,36	1.054,50	25,70%	28,03%	30.363,06	26,12%	24,22%	30,19%	20,87%	22.610,20	11.300,00	0,74	2,00	BEHIND	19,03%	20.621,85	10.253,50
4.1 - 7-Slot Mid C-East Manifold c/w Integral FPS	4,65%	1,54%	28,39%	9,41%	30.760,00	26.990,31	2,63%	809,34	0,81%	249,55	556,50	37,11%	39,74%	12.223,76	37,43%	35,11%	42,17%	33,13%	10.191,63	6.015,75	0,83	1,69	BEHIND	32,32%	9.942,08	5.459,25
4.1.1 - 7-Slot Mid C-East Manifold c/w Integral FPS - Structural	1,94%	1,49%	11,83%	9,09%	12.819,00	9.049,31	1,76%	225,00	1,83%	234,00	506,50	83,25%	85,00%	10.896,50	80,72%	76,43%	86,41%	76,78%	9.843,03	5.769,75	0,90	1,71	BEHIND	74,96%	9.609,03	5.263,25
4.1.2 - 7-Slot Mid C-East Manifold c/w Integral FPS - Piping & Valves	1,47%	0,05%	8,99%	0,32%	9.739,00	9.739,00	6,00%	584,34	0,16%	15,56	50,00	7,63%	13,63%	1.327,26	11,96%	10,30%	19,45%	3,58%	348,61	246,00	0,26	1,42	BEHIND	3,42%	333,05	196,00
4.1.3 - 7-Slot Mid C-East Manifold c/w Integral FPS - Small Bore Tubing	0,27%	0,00%	1,66%	0,00%	1.800,00	1.800,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.1.4 - 7-Slot Mid C-East Manifold c/w Integral FPS - FAT	0,09%	0,00%	0,53%	0,00%	576,00	576,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.1.5 - 7-Slot Mid C-East Manifold c/w Integral FPS - Insulation	0,54%	0,00%	3,32%	0,00%	3.600,00	3.600,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.1.6 - 7-Slot Mid C-East Manifold c/w Integral FPS - Mechanical Completion	0,15%	0,00%	0,93%	0,00%	1.006,00	1.006,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.1.7 - 7-Slot Mid C-East Manifold c/w Integral FPS - EFAT & FIT	0,12%	0,00%	0,74%	0,00%	800,00	800,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.1.8 - 7-Slot Mid C-East Manifold c/w Integral FPS - Weighing, Load-Out & Seafastening	0,06%	0,00%	0,39%	0,00%	420,00	420,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.2 - 7-Slot End C-East Manifold c/w Integral FPS	4,30%	1,28%	26,25%	7,84%	28.441,00	22.822,82	0,98%	278,08	0,42%	119,48	100,00	26,20%	29,37%	8.352,29	27,57%	25,78%	31,58%	29,86%	8.493,87	3.565,25	1,02	2,38	OK	29,44%	8.374,39	3.465,25
4.2.1 - 7-Slot End C-East Manifold c/w Integral FPS - Structural	1,86%	1,24%	11,34%	7,60%	12.281,00	6.662,82	1,88%	231,27	0,89%	109,12	66,00	60,68%	67,63%	8.305,48	63,57%	59,51%	72,03%	67,03%	8.231,90	3.367,25	0,99	2,44	BEHIND	66,14%	8.122,79	3.301,25
4.2.2 - 7-Slot End C-East Manifold c/w Integral FPS - Piping & Valves	1,31%	0,04%	7,99%	0,24%	8.656,00	8.656,00	0,54%	46,81	0,12%	10,37	34,00	0,00%	0,54%	46,81	0,41%	0,27%	1,59%	3,03%	261,96	198,00	5,60	1,32	OK	2,91%	251,60	164,00
4.2.3 - 7-Slot End C-East Manifold c/w Integral FPS - Small Bore Tubing	0,27%	0,00%	1,66%	0,00%	1.800,00	1.800,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.2.4 - 7-Slot End C-East Manifold c/w Integral FPS - FAT	0,09%	0,00%	0,53%	0,00%	576,00	576,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.2.5 - 7-Slot End C-East Manifold c/w Integral FPS - Insulation	0,51%	0,00%	3,10%	0,00%	3.360,00	3.360,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.2.6 - 7-Slot End C-East Manifold c/w Integral FPS - Mechanical Completion	0,15%	0,00%	0,92%	0,00%	996,00	996,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.2.7 - 7-Slot End C-East Manifold c/w Integral FPS - EFAT & FIT	0,05%	0,00%	0,32%	0,00%	352,00	352,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.2.8 - 7-Slot End C-East Manifold c/w Integral FPS - Weighing, Load-Out & Seafastening	0,06%	0,00%	0,39%	0,00%	420,00	420,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.3 - 2-Slot C-Central A PLEM c/w Integral FPS	2,92%	0,59%	17,81%	3,62%	19.293,00	14.957,03	0,44%	84,44	8,39%	1.619,32	398,00	40,46%	40,90%	7.891,16	40,17%	39,43%	42,28%	20,34%	3.924,70	1.719,00	0,50	2,28	BEHIND	11,95%	2.305,38	1.329,00
4.3.1 - 2-Slot C-Central A PLEM c/w Integral FPS - Structural	1,53%	0,59%	9,32%	3,62%	10.099,00	5.763,03	0,84%	84,44	16,03%	1.619,32	398,00	77,30%	78,14%	7.891,16	76,74%	75,34%	80,78%	38,86%	3.924,70	1.719,00	0,50	2,28	BEHIND	22,83%	2.305,38	1.329,00
4.3.2 - 2-Slot C-Central A PLEM c/w Integral FPS - Piping & Valves	0,64%	0,00%	3,91%	0,00%	4.232,00	4.232,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.3.3 - 2-Slot C-Central A PLEM c/w Integral FPS - Small Bore Tubing	0,19%	0,00%	1,13%	0,00%	1.224,00	1.224,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.3.4 - 2-Slot C-Central A PLEM c/w Integral FPS - FAT	0,04%	0,00%	0,27%	0,00%	288,00	288,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.3.5 - 2-Slot C-Central A PLEM c/w Integral FPS - Insulation	0,22%	0,00%	1,33%	0,00%	1.440,00	1.440,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.3.6 - 2-Slot C-Central A PLEM c/w Integral FPS - Mechanical Completion	0,15%	0,00%	0,94%	0,00%	1.014,00	1.014,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.3.7 - 2-Slot C-Central A PLEM c/w Integral FPS - EFAT & FIT	0,09%	0,00%	0,53%	0,00%	576,00	576,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.3.8 - 2-Slot C-Central A PLEM c/w Integral FPS - Weighing, Load-Out & Seafastening	0,06%	0,00%	0,39%	0,00%	420,00	420,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.4 - CC09 PLEM c/w Integral FPS	1,72%	0,00%	10,48%	0,00%	11.351,60	11.351,60	6,41%	727,98	0,00%	0,00	0,00	10,29%	16,70%	1.895,86	10,57%	4,43%	22,88%	0,00%	0,00	0,00	DELAYED	DELAYED	BEHIND	0,00%	0,00	0,00
4.4.1 - CC09 PLEM c/w Integral FPS - Structural	1,06%	0,00%	6,47%	0,00%	7.009,00	7.009,00	10,39%	727,98	0,00%	0,00	0,00	16,66%	27,05%	1.895,86	17,11%	7,17%	37,06%	0,00%	0,00	0,00	DELAYED	DELAYED	BEHIND	0,00%	0,00	0,00
4.4.2 - CC09 PLEM c/w Integral FPS - Piping & Valves	0,22%	0,00%	1,36%	0,00%	1.476,00	1.476,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.4.3 - CC09 PLEM c/w Integral FPS - Small Bore Tubing	0,14%	0,00%	0,86%	0,00%	936,00	936,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.4.4 - CC09 PLEM c/w Integral FPS - FAT	0,03%	0,00%	0,18%	0,00%	192,00	192,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.4.5 - CC09 PLEM c/w Integral FPS - Insulation	0,03%	0,00%	0,19%	0,00%	201,60	201,60	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.4.6 - CC09 PLEM c/w Integral FPS - Mechanical Completion	0,10%	0,00%	0,62%	0,00%	669,00	669,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.4.7 - CC09 PLEM c/w Integral FPS - EFAT & FIT	0,07%	0,00%	0,41%	0,00%	448,00	448,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.4.8 - CC09 PLEM c/w Integral FPS - Weighing, Load-Out & Seafastening	0,06%	0,00%	0,39%	0,00%	420,00	420,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.5 - Manifold Drilling Template (End & Mid) & Dummy	1,19%	0,00%	7,24%	0,00%	7.839,00	7.839,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.5.1 - Manifold Drilling Template (End & Mid) & Dummy - Structural	1,15%	0,00%	7,01%	0,00%	7.599,00	7.599,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.5.2 - Manifold Drilling Template (End & Mid) & Dummy - Weighing, Load-Out & Seafastening	0,04%	0,00%	0,22%	0,00%	240,00	240,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.6 - 2-Slot C-Central A PLEM Drilling Template & Dummy	0,47%	0,00%	2,84%	0,00%	3.082,00	3.082,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.6.1 - 2-Slot C-Central A PLEM Drilling Template & Dummy - Structural	0,44%	0,00%	2,70%	0,00%	2.922,00	2.922,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.6.2 - 2-Slot C-Central A PLEM Drilling Template & Dummy - Weighing, Load-Out & Seafastening	0,02%	0,00%	0,15%	0,00%	160,00	160,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.7 - CC09 PLEM c/w Drilling Template & Dummy	0,49%	0,00%	3,01%	0,00%	3.258,00	3.258,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.7.1 - CC09 PLEM c/w Drilling Template & Dummy - Structural	0,47%	0,00%	2,86%	0,00%	3.098,00	3.098,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.7.2 - CC09 PLEM c/w Drilling Template & Dummy - Weighing, Load-Out & Seafastening	0,02%	0,00%	0,15%	0,00%	160,00	160,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.8 - CHC Parking Structure	0,65%	0,00%	3,98%	0,00%	4.315,00	4.315,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.8.1 - CHC Parking Structure - Structural	0,64%	0,00%	3,91%	0,00%	4.235,00	4.235,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
4.8.2 - CHC Parking Structure - Weighing, Load-Out & Seafastening	0,01%	0,00%	0,07%	0,00%	80,00	80,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
WP 5 Testing Support	2,06%	0,00%	100,00%	0,00%	5.760,00	5.760,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00
WP 6 Load Out	1,49%	0,00%	100,00%	0,00%	1.840,00	1.840,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00

WP 2 Engineering

WP 2 Engineering (from MDR)

Activity ID	Activity Name	Planned Start	Planned Finish	Budgeted Units	Current Estimate at Completion	Planned progress	Planned Hours Period	Actual Phisical progress	Earned Value	Actual Value	Planned Previous week	Planned Early Progress	Planned Early Value	Planned Median Progress	Planned Late Progress	Planned for next week	Actual Progress	Earned Value	Actual Value	SPI	CPI	Ahead / Behind	Actual Phisical progress	Earned Value	Actual Value	NOTE
115A70-PM-PL-0001	Project Execution Plan	04-Sep-15	10-Oct-15	100,00	100,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	100	100,00%	100,00%	100,00%	100,00%	100,00	100,00	1,00	1,00	OK	100,00%	100,00	100,00	
115A70-PM-ORG-0001	Project Organization Chart	04-Sep-15	10-Oct-15	20,00	20,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	20	100,00%	100,00%	100,00%	100,00%	20,00	20,00	1,00	1,00	OK	100,00%	20,00	20,00	
115A70-PM-PL-0002	Fabrication Base Line Schedule	04-Sep-15	17-Oct-15	250,00	250,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	250	100,00%	100,00%	100,00%	100,00%	250,00	250,00	1,00	1,00	OK	100,00%	250,00	250,00	
115A70-PM-PRO-0001	Project Control Procedure / Progress Measurement Procedure	25-Sep-15	31-Oct-15	50,00	50,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	50	100,00%	100,00%	100,00%	100,00%	50,00	50,00	1,00	1,00	OK	100,00%	50,00	50,00	
115A70-PM-LIS-0001	Master Document Register (MDR)	04-Sep-15	10-Oct-15	40,00	40,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	40	100,00%	100,00%	100,00%	100,00%	40,00	40,00	1,00	1,00	OK	100,00%	40,00	40,00	
115A70-PRT-PRP-0001	Procurement Plan & sub contract Plan	04-Sep-15	31-Oct-15	120,00	120,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	120	100,00%	100,00%	100,00%	100,00%	120,00	120,00	1,00	1,00	OK	100,00%	120,00	120,00	
115A70-PRT-PRO-0001	Purchasing Procedure	16-Sep-15	31-Oct-15	40,00	40,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	40	100,00%	100,00%	100,00%	100,00%	40,00	40,00	1,00	1,00	OK	100,00%	40,00	40,00	
115A70-PRT-PRO-0002	Criticality Rating Report	16-Sep-15	31-Oct-15	40,00	40,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	40	100,00%	100,00%	100,00%	100,00%	40,00	40,00	1,00	1,00	OK	100,00%	40,00	40,00	
115A70-HS-HP-0001	Project HSE Plan	30-Oct-15	05-Dec-15	200,00	200,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	200	100,00%	100,00%	100,00%	100,00%	200,00	200,00	1,00	1,00	OK	100,00%	200,00	200,00	
115A70-HS-AUP-0001	Project Audit Plan	30-Oct-15	05-Dec-15	30,00	30,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	30	100,00%	100,00%	100,00%	0,00%	0,00	0,00	DELAYED	DELAYED	BEHIND	0,00%	0,00	0,00	
115A70-ST-DD-0001	MID C-EAST Manifold - Shop Drawings W/D Structural Primary	02-Nov-15	12-Dec-15	160,00	160,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	160	100,00%	100,00%	100,00%	100,00%	160,00	160,00	1,00	1,00	OK	100,00%	160,00	160,00	
115A70-ST-DD-0002	MID C-EAST Manifold - Shop Drawings W/D Structural Secondary	14-Dec-15	30-Jan-16	240,00	240,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	240	100,00%	100,00%	100,00%	100,00%	240,00	240,00	1,00	1,00	OK	100,00%	240,00	240,00	
115A70-ST-DD-0003	MID C-EAST Manifold - Shop Drawings W/D Anodes	14-Dec-15	30-Jan-16	48,00	48,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	48	100,00%	100,00%	100,00%	100,00%	48,00	48,00	1,00	1,00	OK	100,00%	48,00	48,00	
115A70-ST-DD-0004	MID C-EAST Manifold - Shop Drawings Structural Tertiary (i.e. supports, gratings, grab handles etc.)	09-May-16	11-Jun-16	160,00	160,00	75,00%	120,00	0,00%	0,00	0,00	5,00%	80,00%	128	40,00%	0,00%	80,00%	0,00%	0,00	0,00	DELAYED	DELAYED	BEHIND	0,00%	0,00	0,00	
115A70-PP-DI-0001	MID C-EAST Manifold - Shop Drawings Fab W/D Header - LB (i.e. isos)	29-Mar-16	07-May-16	480,00	480,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	480	90,00%	80,00%	100,00%	100,00%	480,00	480,00	1,00	1,00	OK	100,00%	480,00	480,00	
115A70-ST-DD-0005	C-CENTRAL A PLEM - Shop Drawings W/D Structural Primary	31-Dec-15	13-Feb-16	96,00	96,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	96	100,00%	100,00%	100,00%	100,00%	96,00	96,00	1,00	1,00	OK	100,00%	96,00	96,00	
115A70-ST-DD-0006	C-CENTRAL A PLEM - Shop Drawings W/D Structural Secondary	08-Feb-16	19-Mar-16	160,00	160,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	160	100,00%	100,00%	100,00%	0,00%	0,00	0,00	DELAYED	DELAYED	BEHIND	0,00%	0,00	0,00	
115A70-ST-DD-0007	C-CENTRAL A PLEM - Shop Drawings W/D Anodes	08-Feb-16	19-Mar-16	36,00	36,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	36	100,00%	100,00%	100,00%	0,00%	0,00	0,00	DELAYED	DELAYED	BEHIND	0,00%	0,00	0,00	
115A70-ST-DD-0008	C-CENTRAL A PLEM - Shop Drawings Structural Tertiary (i.e. supports, gratings, grab handles etc.)	27-Jun-16	30-Jul-16	96,00	96,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00	
115A70-PP-DI-0002	C-CENTRAL A PLEM - Shop Drawings Fab W/D Header - LB (i.e. isos)	17-May-16	25-Jun-16	360,00	360,00	0,00%	0,00	0,00%	0,00	0,00	5,00%	5,00%	18	2,50%	0,00%	5,00%	100,00%	360,00	360,00	20,00	1,00	OK	100,00%	360,00	360,00	
115A70-ST-DD-0009	END C-EAST Manifold - Shop Drawings W/D Structural Primary	25-Jan-16	05-Mar-16	160,00	160,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	160	100,00%	100,00%	100,00%	100,00%	160,00	160,00	1,00	1,00	OK	100,00%	160,00	160,00	
115A70-ST-DD-0010	END C-EAST Manifold - Shop Drawings W/D Structural Secondary	27-Feb-16	09-Apr-16	240,00	240,00	0,00%	0,00	50,00%	120,00	120,00	100,00%	100,00%	240	100,00%	100,00%	100,00%	100,00%	240,00	240,00	1,00	1,00	OK	50,00%	120,00	120,00	
115A70-ST-DD-0011	END C-EAST Manifold - Shop Drawings W/D Anodes	27-Feb-16	09-Apr-16	48,00	48,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	48	90,00%	80,00%	100,00%	100,00%	48,00	48,00	1,00	1,00	OK	100,00%	48,00	48,00	
115A70-ST-DD-0012	END C-EAST Manifold - Shop Drawings Structural Tertiary (i.e. supports, gratings, grab handles etc.)	13-Jun-16	16-Jul-16	160,00	160,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00	
115A70-PP-DI-0003	END C-EAST Manifold - Shop Drawings Fab W/D Header - LB (i.e. isos)	03-May-16	11-Jun-16	480,00	480,00	75,00%	360,00	0,00%	0,00	0,00	5,00%	80,00%	384	40,00%	0,00%	80,00%	100,00%	480,00	480,00	1,25	1,00	OK	100,00%	480,00	480,00	
115A70-ST-DD-0013	CC09 PLEM - Shop Drawings W/D Structural Primary	22-Feb-16	02-Apr-16	96,00	96,00	0,00%	0,00	10,00%	9,60	9,60	100,00%	100,00%	96	100,00%	100,00%	100,00%	10,00%	9,60	9,60	0,10	1,00	BEHIND	0,00%	0,00	0,00	
115A70-ST-DD-0014	CC09 PLEM - Shop Drawings W/D Structural Secondary	11-Apr-16	21-May-16	160,00	160,00	20,00%	32,00	0,00%	0,00	0,00	80,00%	100,00%	160	52,50%	5,00%	100,00%	0,00%	0,00	0,00	DELAYED	DELAYED	BEHIND	0,00%	0,00	0,00	
115A70-ST-DD-0015	CC09 PLEM - Shop Drawings W/D Anodes	11-Apr-16	21-May-16	36,00	36,00	20,00%	7,20	0,00%	0,00	0,00	80,00%	100,00%	36	50,00%	0,00%	100,00%	0,00%	0,00	0,00	DELAYED	DELAYED	BEHIND	0,00%	0,00	0,00	
115A70-ST-DD-0016	CC09 PLEM - Shop Drawings Structural Tertiary (i.e. supports, gratings, grab handles etc.)	18-Aug-16	24-Sep-16	96,00	96,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00	
115A70-PP-DI-0004	CC09 PLEM - Shop Drawings Fab W/D Header - LB (i.e. isos)	01-Jun-16	09-Jul-16	360,00	360,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0	0,00%	0,00%	5,00%	50,00%	180,00	180,00	EARLY START	EARLY START	OK	50,00%	180,00	180,00	
115A70-ST-DD-0017	Drilling Templates - Shop Drawings W/D Structural	20-Jun-16	30-Jul-16	192,00	192,00	0,00%	0,00	10,00%	19,20	19,20	0,00%	0,00%	0	0,00%	0,00%	0,00%	20,00%	38,40	38,40	EARLY START	EARLY START	OK	10,00%	19,20	19,20	
115A70-MT-ACT-0001	Erection Sequence	31-Aug-15	31-Oct-15	200,00	200,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	200	50,00%	0,00%	100,00%	100,00%	200,00	200,00	1,00	1,00	OK	100,00%	200,00	200,00	
115A70-MT-PRO-0001	Movement and Lifting Procedure	16-Nov-15	05-Dec-15	40,00	40,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	40	50,00%	0,00%	100,00%	100,00%	40,00	40,00	1,00	1,00	OK	100,00%	40,00	40,00	
115A70-MT-CA-0001	Yard Supports Calculation Report	02-Nov-15	05-Dec-15	160,00	160,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	160	50,00%	0,00%	100,00%	70,00%	112,00	112,00	0,70	1,00	BEHIND	70,00%	112,00	112,00	
115A70-MT-WI-0002	END and MID C-EAST Manifolds - Structure - Movement Work Instruction	21-Mar-16	16-Apr-16	40,00	40,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	40	100,00%	100,00%	100,00%	0,00%	0,00	0,00	DELAYED	DELAYED	BEHIND	0,00%	0,00	0,00	
115A70-MT-CA-0002	END and MID C-EAST Manifolds - Structure - Movement Calculation Report	21-Mar-16	16-Apr-16	40,00	40,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	40	100,00%	100,00%	100,00%	0,00%	0,00	0,00	DELAYED	DELAYED	BEHIND	0,00%	0,00	0,00	
115A70-MT-WI-0003	C-CENTRAL A PLEM - Structure - Movement Work Instruction	10-Apr-16	07-May-16	40,00	40,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	40	90,00%	80,00%	100,00%	0,00%	0,00	0,00	DELAYED	DELAYED	BEHIND	0,00%	0,00	0,00	
115A70-MT-CA-0003	C-CENTRAL A PLEM - Structure - Movement Calculation Report	10-Apr-16	07-May-16	40,00	40,00	0,00%	0,00	0,00%	0,00	0,00	100,00%	100,00%	40	90,00%	80,00%	100,00%	0,00%	0,00	0,00	DELAYED	DELAYED	BEHIND	0,00%	0,00	0,00	
115A70-MT-WI-0004	CC09 PLEM - Structure - Movement Work Instruction	20-Jun-16	16-Jul-16	40,00	40,00	0,00%	0,00	0,00%	0,00	0,00	0,00%	0,00%	0	0,00%	0,00%	0,00%	0,00%	0,00	0,00	NOT STARTED	NOT STARTED	OK	0,00%	0,00	0,00	

Attachment 5 – Project Calendar

Project Calendar

HOLLANDSE KUST NOORD WIND PARK Project

Contract No. CW-I-WP4-2023-05

ROSETTI MARINO

2023

JANUARY

CW	PW	M	T	W	T	F	S	S
52								01
1		02	03	04	05	06	07	08
2		09	10	11	12	13	14	15
3		16	17	18	19	20	21	22
4		23	24	25	26	27	28	29
5		30	31					

FEBRUARY

CW	PW	M	T	W	T	F	S	S
5				01	02	03	04	05
6		06	07	08	09	10	11	12
7		13	14	15	16	17	18	19
8		20	21	22	23	24	25	26
9		27	28					

MARCH

CW	PW	M	T	W	T	F	S	S
9				01	02	03	04	05
10		06	07	08	09	10	11	12
11		13	14	15	16	17	18	19
12		20	21	22	23	24	25	26
13		27	28	29	30	31		

APRIL

CW	PW	M	T	W	T	F	S	S
13							01	02
14		03	04	05	06	07	08	09
15		10	11	12	13	14	15	16
16		17	18	19	20	21	22	23
17		24	25	26	27	28	29	30

MAY

CW	PW	M	T	W	T	F	S	S
18		01	02	03	04	05	06	07
19		08	09	10	11	12	13	14
20		15	16	17	18	19	20	21
21		22	23	24	25	26	27	28
22		29	30	31				

JUNE

CW	PW	M	T	W	T	F	S	S
22					01	02	03	04
23		05	06	07	08	09	10	11
24		12	13	14	15	16	17	18
25		19	20	21	22	23	24	25
26		26	27	28	29	30		

JULY

CW	PW	M	T	W	T	F	S	S
26							01	02
27		03	04	05	06	07	08	09
28	1	10	11	12	13	14	15	16
29	2	17	18	19	20	21	22	23
30	3	24	25	26	27	28	29	30
31	4	31						

AUGUST

CW	PW	M	T	W	T	F	S	S
31	4		01	02	03	04	05	06
32	5	07	08	09	10	11	12	13
33	6	14	15	16	17	18	19	20
34	7	21	22	23	24	25	26	27
35	8	28	29	30	31			

SEPTEMBER

CW	PW	M	T	W	T	F	S	S
35	8					01	02	03
36	9	04	05	06	07	08	09	10
37	10	11	12	13	14	15	16	17
38	11	18	19	20	21	22	23	24
39	12	25	26	27	28	29	30	

OCTOBER

CW	PW	M	T	W	T	F	S	S
39	13							01
40	14	02	03	04	05	06	07	08
41	15	09	10	11	12	13	14	15
42	16	16	17	18	19	20	21	22
43	17	23	24	25	26	27	28	29
44	18	30	31					

NOVEMBER

CW	PW	M	T	W	T	F	S	S
44	18			01	02	03	04	05
45	19	06	07	08	09	10	11	12
46	20	13	14	15	16	17	18	19
47	21	20	21	22	23	24	25	26
48	22	27	28	29	30			

DECEMBER

CW	PW	M	T	W	T	F	S	S
48	22					01	02	03
49	23	04	05	06	07	08	09	10
50	24	11	12	13	14	15	16	17
51	25	18	19	20	21	22	23	24
52	26	25	26	27	28	29	30	31

LEGENDA:

Effective Date	Kick off Meeting
Project Weekly Meeting	
Monthly Project Management Report cut off date	
Deadline for issue of Monthly Project Management Report report	
Weekly Report cut off date	
Deadline for issue of Weekly Report	
Reporting and meeting suspended due to Holiday Period	

CW **Calendar Week**

PW **Project Week**

Project Calendar

HOLLANDSE KUST NOORD WIND PARK Project

Contract No. CW-I-WP4-2023-05

ROSETTI MARINO

2024

JANUARY

CW	PW	M	T	W	T	F	S	S
1	27	01	02	03	04	05	06	07
2	28	08	09	10	11	12	13	14
3	29	15	16	17	18	19	20	21
4	30	22	23	24	25	26	27	28
5	31	29	30	31				

FEBRUARY

CW	PW	M	T	W	T	F	S	S
5	31				01	02	03	04
6	32	05	06	07	08	09	10	11
7	33	12	13	14	15	16	17	18
8	34	19	20	21	22	23	24	25
9	35	26	27	28	29			

MARCH

CW	PW	M	T	W	T	F	S	S
9	35					01	02	03
10	36	04	05	06	07	08	09	10
11	37	11	12	13	14	15	16	17
12	38	18	19	20	21	22	23	24
13	39	25	26	27	28	29	30	31

APRIL

CW	PW	M	T	W	T	F	S	S
14	40	01	02	03	04	05	06	07
15	41	08	09	10	11	12	13	14
16	42	15	16	17	18	19	20	21
17	43	22	23	24	25	26	27	28
18	44	29	30					

MAY

CW	PW	M	T	W	T	F	S	S
18	44			01	02	03	04	05
19	45	06	07	08	09	10	11	12
20	46	13	14	15	16	17	18	19
21	47	20	21	22	23	24	25	26
22	48	27	28	29	30	31		

JUNE

CW	PW	M	T	W	T	F	S	S
22	48						01	02
23	49	03	04	05	06	07	08	09
24	50	10	11	12	13	14	15	16
25	51	17	18	19	20	21	22	23
26	52	24	25	26	27	28	29	30

JULY

CW	PW	M	T	W	T	F	S	S
27	53	01	02	03	04	05	06	07
28	54	08	09	10	11	12	13	14
29	55	15	16	17	18	19	20	21
30	56	22	23	24	25	26	27	28
31	57	29	30	31				

AUGUST

CW	PW	M	T	W	T	F	S	S
31	57				01	02	03	04
32	58	05	06	07	08	09	10	11
33	59	12	13	14	15	16	17	18
34	60	19	20	21	22	23	24	25
35	61	26	27	28	29	30	31	

SEPTEMBER

CW	PW	M	T	W	T	F	S	S
35	61							01
36	62	02	03	04	05	06	07	08
37	63	09	10	11	12	13	14	15
38	64	16	17	18	19	20	21	22
39	65	23	24	25	26	27	28	29
40	66	30						

OCTOBER

CW	PW	M	T	W	T	F	S	S
40	66		01	02	03	04	05	06
41	67	07	08	09	10	11	12	13
42	68	14	15	16	17	18	19	20
43	69	21	22	23	24	25	26	27
44	70	28	29	30	31			

NOVEMBER

CW	PW	M	T	W	T	F	S	S
44	70					01	02	03
45	71	04	05	06	07	08	09	10
46	72	11	12	13	14	15	16	17
47	73	18	19	20	21	22	23	24
48	74	25	26	27	28	29	30	

DECEMBER

CW	PW	M	T	W	T	F	S	S
48	74							01
49	75	02	03	04	05	06	07	08
50	76	09	10	11	12	13	14	15
51	77	16	17	18	19	20	21	22
52	78	23	24	25	26	27	28	29
1	79	30	31					

LEGENDA:

	Effective Date
	Kick off Meeting
	Project Weekly Meeting
	Monthly Project Management Report cut off date
	Deadline for issue of Monthly Project Management Report report
	Weekly Report cut off date
	Deadline for issue of Weekly Report
	Reporting and meeting suspended due to Holiday Period

CW **Calendar Week**

PW **Project Week**

Project Calendar

HOLLANDSE KUST NOORD WIND PARK Project

Contract No. CW-I-WP4-2023-05

ROSETTI MARINO

2025

JANUARY

CW	PW	M	T	W	T	F	S	S
1	79			01	02	03	04	05
2	80	06	07	08	09	10	11	12
3	81	13	14	15	16	17	18	19
4	82	20	21	22	23	24	25	26
5	83	27	28	29	30	31		

FEBRUARY

CW	PW	M	T	W	T	F	S	S
5	83						01	02
6	84	03	04	05	06	07	08	09
7	85	10	11	12	13	14	15	16
8	86	17	18	19	20	21	22	23
9	87	24	25	26	27	28		

MARCH

CW	PW	M	T	W	T	F	S	S
9	87						01	02
10	88	03	04	05	06	07	08	09
11	89	10	11	12	13	14	15	16
12	90	17	18	19	20	21	22	23
13	91	24	25	26	27	28	29	30
14	92	31						

APRIL

CW	PW	M	T	W	T	F	S	S
14	92		01	02	03	04	05	06
15	93	07	08	09	10	11	12	13
16	94	14	15	16	17	18	19	20
17	95	21	22	23	24	25	26	27
18	96	28	29	30				

MAY

CW	PW	M	T	W	T	F	S	S
18	96				01	02	03	04
19	97	05	06	07	08	09	10	11
20	98	12	13	14	15	16	17	18
21	99	19	20	21	22	23	24	25
22	100	26	27	28	29	30	31	

JUNE

CW	PW	M	T	W	T	F	S	S
22	100							01
23	101	02	03	04	05	06	07	08
24	102	09	10	11	12	13	14	15
25	103	16	17	18	19	20	21	22
26	104	23	24	25	26	27	28	29
27	105	30						

JULY

CW	PW	M	T	W	T	F	S	S
27	105		01	02	03	04	05	06
28	106	07	08	09	10	11	12	13
29	107	14	15	16	17	18	19	20
30	108	21	22	23	24	25	26	27
31	109	28	29	30	31			

AUGUST

CW	PW	M	T	W	T	F	S	S
31	109					01	02	03
32	110	04	05	06	07	08	09	10
33	111	11	12	13	14	15	16	17
34	112	18	19	20	21	22	23	24
35	113	25	26	27	28	29	30	31

SEPTEMBER

CW	PW	M	T	W	T	F	S	S
36	114	01	02	03	04	05	06	07
37	115	08	09	10	11	12	13	14
38	116	15	16	17	18	19	20	21
39	117	22	23	24	25	26	27	28
40	118	29	30					

OCTOBER

CW	PW	M	T	W	T	F	S	S
40	118			01	02	03	04	05
41	119	06	07	08	09	10	11	12
42	120	13	14	15	16	17	18	19
43	121	20	21	22	23	24	25	26
44	122	27	28	29	30	31		

NOVEMBER

CW	PW	M	T	W	T	F	S	S
44	122						01	02
45	123	03	04	05	06	07	08	09
46	124	10	11	12	13	14	15	16
47	125	17	18	19	20	21	22	23
48	126	24	25	26	27	28	29	30

DECEMBER

CW	PW	M	T	W	T	F	S	S
49	127	01	02	03	04	05	06	07
50	128	08	09	10	11	12	13	14
51	129	15	16	17	18	19	20	21
52	130	22	23	24	25	26	27	28
1	131	29	30	31				

LEGENDA:

	Effective Date
	Kick off Meeting
	Project Weekly Meeting
	Monthly Project Management Report cut off date
	Deadline for issue of Monthly Project Management Report report
	Weekly Report cut off date
	Deadline for issue of Weekly Report
	Reporting and meeting suspended due to Holiday Period

CW **Calendar Week**

PW **Project Week**

Attachment 6 - Risk Work Breakdown Structure

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	RISK BREAKDOWN STRUCTURE **(RBS previous called R&O Check List)**	**Tender/ Project N°:_____** **Proposal M / PM: _____** **Date: _____**

Note: The present RBS shall not be considered exhaustive of all risks and opportunities which might occur

	Aspects to be evaluated	**Checked**
1	**Client** 1.1 Uncertainty, incompleteness of Client information 1.2 Financial reliability and payment timeliness of the client 1.3 Experience of the client in similar projects 1.4 Reliability and timeliness of the client in providing its obligations 1.5 Knowledge of the client procedures and type of relation with client	
2	**Socio-political-economic risks and opportunities** 2.1 Political instability 2.2 Local opposition: public opinion, reaction of the local inhabitants and media 2.3 Problems in obtaining permits 2.4 Changes in legislation 2.5 Salary variations 2.6 Inflation 2.7 Currency rate variations	
3	**Financial, fiscal and taxation risks and opportunities** 3.1 Convertibility of foreign currency 3.2 Type, amount and wording of the required bank guarantees 3.3 Double taxation 3.4 Value added taxes not reimbursed 3.5 Payment of import duties 3.6 Withholding tax 3.7 Permanent establishment 3.8 Transfer price 3.9 Type and amount of the required bonds 3.10 Possibility of obtaining a credit-insurance 3.11 Insurance required under contract 3.12 Guarantees required under contract 3.13 All risk agreed by Client 3.14 Uncertainties in cash flow	
4	**Technology** 4.1 Performance level required 4.2 Knowledge of applicable regulations and technical specifications 4.3 Reliability of technology (recommended technology vs technology at the stage of development) 4.4 Availability of specialists (necessity of employing external specialists) 4.5 Impossibility of carrying on acceptance tests (it is necessary to employ an external specialist)	
5	**Legal** 5.1 Obligation of make good 5.2 Parent company guaranty	

	Aspects to be evaluated	Checked
	(With Client) 5.3 Risk related to insurance 5.4 Law in force/competent court 5.5 Termination 5.6 Force majeure 5.7 Maximum amount of penalty (it shall be verified that penalties are in the nature of liquidated damages and not penalties) 5.8 Limitation of the maximum liability 5.9 Terms and conditions of penalty application in case of delay or non / performance 5.10 Payment system used and documentation required (impossibility to obtain required payment documentation) 5.11 Type and validity of the required technical warranties 5.12 Client procedure for documentation approval 5.13 Problems related to client approval of acceptance test 5.14 Scope of work not accurately defined 5.15 Required endorsement of engineering (reliability of client engineering and endorsement timing) 5.16 Procedure to be followed for claim presentation (problems related to obtainment of changes and variations) **(With partners)** 5.17 Structure compatibility 5.18 Distribution of duties and responsibilities 5.19 Technical reliability 5.20 Financial reliability **(With subcontractors)** 5.21 Structure compatibility 5.22 Distribution of duties and responsibilities 5.23 Technical reliability 5.24 Financial reliability 5.25 Level of control	
6	**Organization and Planning** 6.1 Rosetti experience in similar projects (type, size, delivery time) 6.2 Suitability asset facilities 6.3 Compatibility of planning with current company scope of work 6.4 Quantity and complexity of interface structure 6.5 Complexity of client procedures 6.6 Level of control on schedulem 6.7 Flow of information with the Client 6.8 Delay on planned scheduling 6.9 Acceleration	
7	**HR** 7.1 Lack of human resources 7.2 Inadequate qualification of human resources	

	RISK BREAKDOWN STRUCTURE **(RBS previous called R&O Check List)**	**Tender/ Project N°:_____** **Proposal M / PM: _____** **Date: _____**

	Aspects to be evaluated	**Checked**
	7.3 Work permits 7.4 Intercultural relations 7.5 Strikes and disorders	
8	**HSE-Q** 8.1 Site geology, site condition 8.2 Climate, rains, floods, etc 8.3 Dangerous work site 8.4 Geographic remoteness, easy access to the area 8.5 Necessity to construct facilities (access roads, quays, etc) 8.6 Environmental legislation (emissions, waste, disposal) 8.7 Health and safety legislation (Healthcare, firefighting) 8.8 Use of dangerous substances and radioactive agents 8.9 Seismic conditions 8.10 Knowledge of client procedures and specifications 8.11 Performance level and inspection required by the client 8.12 Requirement of qualification of supplier subcontractor 8.13 Certifications requirement (Atex, Ped, Rok) and third part management	
9	**Engineering** 9.1 Accuracy of engineering studies offer - some topic not properly analysed 9.2 Accuracy of ITT FEED 9.3 Delays related to client approval of the project documentation 9.4 Prototype in the major components proposed for the plant 9.5 Component with known reliability problems 9.6 Behaviour of the major component of the plant against external solicitations compatible with contractual requirements 9.7 Tolerance allowed in the measurement of performance tests 9.8 Performance tests carried out with our own equipment 9.9 Performance test procedure subject to approval by the Customer 9.10 Test witness organisation known 9.11 Standard products or equipment proposed for the project, not fulfilling completely the contractual requirements 9.12 Available and detailed plant layout in the FEED to ensure that the space is sufficient 9.13 Process date (fluid composition, pressure, temperature) out of the usual range 9.14 Endorsement 9.15 Delay on engineering project schedule 9.16 Traceability of engineering information 9.17 Engineering do not fit with client request	
10	**Procurement and Supply Chain** 10.1 Vendor List 10.2 Monopoly on provision of one or more main equipment 10.3 Risk with local manufacturing with regard to organisation, follow up, schedule, and quality 10.4 Problems related to storage/transportation of components	

	Aspects to be evaluated	Checked
	10.5 External partner profile: first contract with this partner 10.6 Claim oriented partner 10.7 Scope of work with partner and interfaces well defined and clearly limited 10.8 Delivery terms 10.9 Critical lead time 10.10 Dumping 10.11 Technical reliability or maintenance to be guaranteed 10.12 Raw material needed for the project for which there is a risk of world wide shortage 10.13 Products proposed at the tendering stage already obsolete 10.14 Level of inspection requested by the client 10.15 Variations in cost of raw material, components and subcontractors	
11	**Construction and Commissioning** 11.1 Uncertainty in the determination of logistics costs 11.2 Insufficient Yard capacity and facilities 11.3 Critical special operations (lift, load out, painting, x-ray etc) 11.4 Capability to conform to general performance requisites 11.5 Final inspection, testing and commissioning 11.6 Operations under warranty 11.7 Performance test during warranty period 11.8 Extra works due to rework	