Base Load Power Hub (BLPH)

WATER TREATMENT PACKAGE A-50000
SPARE PARTS LIST FOR COMMISSIONING AND 2 YEARS OPERATION

Document Number: 1724000448-COM-LIS-00034

Document Class: 3V

01	15/02/2025	Issue for Information (IFI)	PSC	WR	RM
00	06/12/2024	Issue for Information (IFI)	PSC	WR	RM
Rev.	Date	Description	Prepared	Reviewed	Approved

PSC DOC. REF: PK2885-G-008

This document undergoes an issuance cycle within EDMS "Fusionlive".
File: 1724000448-COM-LIS-00034_Rev.01_Spare parts list for commissioning and 2 years operation_Cover Any hard copy once printed shall be considered as "NOT CONTROLLED" copy

Table of Contents

SH.	DESCRIPTION	REVISIONS							
		00	01						
1	Cover	X	X						
2	Table of Contents	X	X						
3	Revision / Change Log / Hold List	X	X						
4	Spare parts tables	X	X						

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

Revision / Change Log

Rev.	Description
00	Issue for Information (IFI)
01	Issue for Information (IFI)

HOLDS LIST

No.	Description
1.	
2.	
3.	
4.	

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

SPARE PARTS LIST

CROSSWIND

Document Title	Commissioning and 2 years spare parts list				
The document relates to	HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)				Contract: CW-I-WP4-2023-05
Project ID	123A90	Doc. n°	1724000448-COM-LIS-00034	Rev.: Issued for Information	Rev. Date: 15-Feb-25 / Status: IFI / Class: 2

The equipment consists of the following units/components

1	Tag no.	P-50003A/B	P-50002A/B				
2	Tag description	SW BOOSTER PUMPS	BACKWASH PUMPS				
3	Manufacturer model/type no.	HTT 12000 PP	HTM 15 PP				
4	Manufacturer serial no.						
5	No. of units	2	2				
6	Quantity of parts FITTED / INSTALLED per unit/component						

Supplier: GEMMECOTTI srl

Address: Via Po, 23-25-27
20031 Cesate (MI)
ITALY

PO Number: No. 2885/07/24/1

PO description: CENTRIFUGAL PUMPS

Supplier telephone no: +39 02 96460406

E-mail: marco.rocchegiani@gemmecotti.com

Contact name: Marco Rocchegiani

Contact mobile no:

WEBSITE www.gemmecotti.com

General Information:

								MATERIALS DATA																			Commissioning spares	2 Years spares	Remarks
						Item Number	Total number of identical spares installed	Description of recommended spare parts	Parts/drawing ref.			Material	Certicate Type (if applicable)	Certicate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturersame	Quantity ordered	Quantity ordered	
									Project Datasheet no.	Project Detail dwg. no.	Item ref.																	
						7	8		9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
2						1	2	O-RING	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008		EPDM										SP-2885-001	SP-2885-001		2				
2						2	2	O-RING	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008		EPDM										SP-2885-002	SP-2885-002			2			
2						3	2	FRONT AND REAR DISC	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008		PP										SP-2885-003	SP-2885-003			2			
2						4	2	SHAFT + RING	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008		AI2O3										SP-2885-004	SP-2885-004			2			
2						5	2	IMPELLER	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008		PVDF										SP-2885-005	SP-2885-005			2			
2						6	2	INT. MAGNET	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008		PP										SP-2885-006	SP-2885-006			2			
2						7	2	REAR CASING	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008		PP										SP-2885-007	SP-2885-007			2			
	2					8	2	O-RING	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008		EPDM										SP-2885-008	SP-2885-008		2				
	2					9	2	O-RING	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008		EPDM										SP-2885-009	SP-2885-009			2			
	2					10	2	CASING THRUST BRUSH	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008												SP-2885-010	SP-2885-010			2			
	2					11	2	SHAFT + RING	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008		AI2O3										SP-2885-011	SP-2885-011			2			
	2					12	2	IMPELLER	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008		PP										SP-2885-012	SP-2885-012			2			
	2					13	2	INT. MAGNET	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008		PP										SP-2885-013	SP-2885-013			2			
	2					14	2	REAR CASING	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008		PP										SP-2885-014	SP-2885-014			2			
	2					15	2	IMPELLER THRUST BRUSH	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008		PTFEC										SP-2885-015	SP-2885-015			2			
						16																							
						17																							
						18																							
						19																							
						20																							
						21																							
						22																							
						23																							
						24																							
						25																							
						26																							
						27																							
						28																							
						29																							
						30																							
						31																							
						32																							
						33																							
						34																							
						35																							
						36																							
						37																							
						38																							
						39																							
						40																							
						41																							
						42																							
						43																							
						44																							
						45																							
						46																							
						47																							
						48																							
						49																							
						50																							
						51																							
						52																							
						53																							
						54																							
						55																							
						56																							

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	**Commissioning and 2 years spare parts list**				
The document relates to	**HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)**			Contract **CW-I-WP4-2023-05**	
Project ID	**123A90**	Doc. n°	**1724000448-COM-LIS-00034**	Rev. **Issued for Information**	Rev. Date **15-Feb-25**	Status **IFI**	Class **2**

The equipment consists of the following units/components

1 — Tag no.: P-5000A/B

2 — Tag description: HIGH PRESSURE PUMPS

3 — Manufacturer model/type no.: APP2.2

4 — Manufacturer serial no.: 18083045

5 — No. of units: 2

Supplier: DANFOSS srl | PO Number: No. 2885/08/24/0 | PO description: HIGH PRESSURE PUMPS | Contact name: Stefano Frega

Address: Corso E. Tazzoli, 221, 10137 TORINO, ITALY | Supplier telephone no: | Contact mobile no: +39 366 6167946

E-mail: stefano.frega@danfoss.com | WEBSITE https://www.danfoss.com/it-it/

General Information:

6 — Quantity of parts FITTED / INSTALLED per unit/component

			MATERIALS DATA																		Commissioning spares	2 Years spares	
	Item Number	Total number of identical spares installed	Description of recommended spare parts	Parts/drawing ref.			Material	Certicate Type (if applicable)	Certicate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturername	Quantity ordered	Quantity ordered	Remarks
				Project Datasheet no.	Project Detail dwg. no.	Item ref.																	
	7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
2	1	0	APP1.5-3.5 SET OF TOOLS EAN Number 5715162668511	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008						0,07						Denmark	SP-2885-016	SP-2885-016		1		
2	2	2	APP 1.5-2.5 SET OF GASKET EAN Number 5715162668474	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008						0,31						Denmark	SP-2885-017	SP-2885-017		2		
2	3	2	APP 1.5-2.5 SET OF PISTON EAN Number 5715162668221	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008						0,72						Denmark	SP-2885-018	SP-2885-018			2	
	4																						
	5																						
	6																						
	7																						
	8																						
	9																						
	10																						
	11																						
	12																						
	13																						
	14																						
	15																						
	16																						
	17																						
	18																						
	19																						
	20																						
	21																						
	22																						
	23																						
	24																						
	25																						
	26																						
	27																						
	28																						
	29																						
	30																						
	31																						
	32																						
	33																						
	34																						
	35																						
	36																						
	37																						
	38																						
	39																						
	40																						
	41																						
	42																						
	43																						
	44																						
	45																						
	46																						
	47																						
	48																						
	49																						
	50																						
	51																						
	52																						
	53																						
	54																						
	55																						
	56																						

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	Commissioning and 2 years spare parts list					
The document relates to	HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)				Contract	
					CW-I-WP4-2023-05	
Project ID	123A90	Doc. n°	1724000448-COM-LIS-00034	Rev. Issued for Information	Rev. Date 15-Feb-25	Status IFI / Class 2

The equipment consists of the following units/components

1	Tag no.	P-50009A/B	P-50005A/B	P-50006A/B	P-50007A/B	P-50008A/B	P-50010A/B
2	Tag description	FRESH WATER PUMPS	CAUSTIC SODA DOSING PUMPS	ANTISCALANT DOSING PUMPS	BIOCIDE DOSING PUMPS TO CONTAINER INLET	BIOCIDE DOSING PUMPS TO SEA WATER INTAKE	BIOCIDE DOSING PUMPS TO WASTE WATER TANK
3	Manufacturer model/type no.	CRN15-12 E-FG)-A-E-HQQE	DDC 6-10 AR-PVC/E/C- F-311211GC3	DDC 6-10 AR-PVC/V/C- F-311211GC3	DDC 6-10 AR-PVC/V/C- F-311211GC3	DDC 6-10 AR-PVC/V/C- F-311211GC3	DDC 6-10 AR-PVC/V/C- F-311211GC3
4	Manufacturer serial no.	99866825	98173728	98451667	98451667	98451667	98451667
5	No. of units	2	2	2	2	2	2

Supplier: GRUNDFOS POMPE ITALIA srl

Address: Via Gran Sasso, 4
20060 Truccazzano (MI)
ITALY

PO Number: No. 2885/12/24/0

PO description: DOSING PUMPS and FRESH WATER PUMPS

Supplier telephone no:

E-mail: ffederico@grundfos.com

Contact name: Fabio Federico

Contact mobile no: +39 3355947391

WEBSITE www.grundfos.com

General Information:

6 Quantity of parts FITTED / INSTALLED per unit/component

MATERIALS DATA

Item Number	Total number of identical spares installed	Description of recommended spare parts	Parts/drawing ref. Project Datasheet no.	Parts/drawing ref. Project Detail dwg. no.	Parts/drawing ref. Item ref.	Material	Certificate Type (if applicable)	Certificate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturername	Commissioning spares: Quantity ordered	2 Years spares: Quantity ordered	Remarks
7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	Kit shaft seal QQEGG KB012S1 25bar	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008												DK	SP-2885-019	SP-2885-019			1	
2	2	Kit gasket EPDM CR/I/N 1s/1/3/5	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008		EPDM										DK	SP-2885-020	SP-2885-020			1	
3	2	Kit valve/diaph. SD-S-PVC/E/C-1 (diaphragm+valves)	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008												FR	SP-2885-021	SP-2885-021			1	
4	2	Kit valve/diaph. SD-S-PVC/V/C-1 (diaphragm+valves)	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008												FR	SP-2885-022	SP-2885-022			1	
5	2	kit valve/diaph. SD-S-PVC/V/C-1 (diaphragm+valves)	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008												FR	SP-2885-023	SP-2885-023			1	
6	2	kit valve/diaph. SD-S-PVC/V/C-1 (diaphragm+valves)	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008												FR	SP-2885-024	SP-2885-024			1	
7	2	kit valve/diaph. SD-S-PVC/V/C-1 (diaphragm+valves)	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008												FR	SP-2885-025	SP-2885-025			1	
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						
31																						
32																						
33																						
34																						
35																						
36																						
37																						
38																						
39																						
40																						
41																						
42																						
43																						
44																						
45																						
46																						
47																						
48																						
49																						
50																						
51																						
52																						
53																						
54																						
55																						
56																						

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	Commissioning and 2 years spare parts list				
The document relates to	HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)				Contract: CW-I-WP4-2023-05
Project ID	123A90	Doc. n°	1724000448-COM-LIS-00034	Rev.: Issued for Information	Rev. Date: 15-Feb-25 / Status: IFI / Class: 2

The equipment consists of the following units/components

1 Tag no.: S-50010

2 Tag description: UV sterilizer

3 Manufacturer model/type no.: 15

4 Manufacturer serial no.:

5 No. of units: 1

6 Quantity of parts FITTED / INSTALLED per unit/component: 1

Supplier: NOBEL srl
Address: Via Galilei, 5
20054 Segrate (MI)
ITALY

PO Number: No.2885/11/24/0

PO description: UV sterilizer
Supplier telephone no: +39 02 2827968
E-mail: nobel@nobel.srl

Contact name: Carlo Strino
Contact mobile no:
WEBSITE www.nobel.srl

General Information:

Item Number	Total number of identical spares installed	MATERIALS DATA: Description of recommended spare parts	Parts/drawing ref.: Project Datasheet no.	Project Detail dwg. no.	Item ref.	Material	Certicate Type (if applicable)	Certicate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturername	Commissioning spares: Quantity ordered	2 Years spares: Quantity ordered	Remarks
7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	1	UV lamp 40W	1724000448-MAC-DA-00008	1724000448-MAC-DA-00008													SP-2885-026	SP-2885-026		1	1	
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						
31																						
32																						
33																						
34																						
35																						
36																						
37																						
38																						
39																						
40																						
41																						
42																						
43																						
44																						
45																						
46																						
47																						
48																						
49																						
50																						
51																						
52																						
53																						
54																						
55																						
56																						

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	Commissioning and 2 years spare parts list				
The document relates to	HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)				Contract: CW-I-WP4-2023-05
Project ID	123A90	Doc. n°	1724000448-COM-LIS-00034	Rev.: Issued for Information	Rev. Date: 15-Feb-25 / Status: IFI / Class: 2

The equipment consists of the following units/components

| | | | | |

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	Commissioning and 2 years spare parts list				
The document relates to	HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)				Contract: CW-I-WP4-2023-05
Project ID	123A90	Doc. n°	1724000448-COM-LIS-00034	Rev.: Issued for Information	Rev. Date: 15-Feb-25 / Status: IFI / Class: 2

The equipment consists of the following units/components

1 Tag no.: 50-LP-002

2 Tag description: F&G PANEL

3 Manufacturer model/type no.: SIA-5319

4 Manufacturer serial no.:

5 No. of units: 1

6 Quantity of parts FITTED / INSTALLED per unit/component

Supplier: S.I.A. srl

Address: Via Aldo Moro, 6
20010 Pogliano Mil.se (MI)
ITALY

PO Number: No. 2885/19/24/0

PO description: Fire & Gas Detection System

Supplier telephone no: +39 02.35969813

E-mail: l.rizzo@sia-italia.com

Contact name: Luca Rizzo

Contact mobile no: +39 335 5208987

WEBSITE www.sia-italia.com

General Information:

	Item Number	Total number of identical spares installed	MATERIALS DATA: Description of recommended spare parts	Parts/drawing ref.: Project Datasheet no.	Project Detail dwg. no.	Item ref.	Material	Certicate Type (if applicable)	Certicate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturername	Commissioning spares: Quantity ordered	2 Years spares: Quantity ordered	Remarks
	7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	1		Commissioning Kit composed by Fuses and Resistors															SP-2885-030	SP-2885-030		1		
	2		DIG Card - Six Input Line Digital															SP-2885-031	SP-2885-031			1	
	3		OUT Card - Six Controlled Output															SP-2885-032	SP-2885-032			1	
	4		ANA Card – Two Analog Input Line with individual display															SP-2885-033	SP-2885-033			1	
	5		REL Card – Six Output Relay															SP-2885-034	SP-2885-034			1	
	6		CPU Card – EN 54-2															SP-2885-035	SP-2885-035			1	
	7		PSU Card for Power Supply - EN 54-4															SP-2885-036	SP-2885-036			1	
	8		Modbus TCP/IP card															SP-2885-037	SP-2885-037			1	
	9		Replace Display															SP-2885-038	SP-2885-038			1	
	10		System Card															SP-2885-039	SP-2885-039			1	
	11		Power Supply Unit															SP-2885-040	SP-2885-040			1	
	12		GAS Detector Catalytic for H2															SP-2885-041	SP-2885-041			1	
	13		IS Smoke Detector															SP-2885-042	SP-2885-042			1	
	14		Fire Beacon				Alloy material											SP-2885-043	SP-2885-043			1	
	15		GAS Beacon				Alloy material											SP-2885-044	SP-2885-044			1	
	16		Fire & GAS Sounder				Alloy material											SP-2885-045	SP-2885-045			1	
	17		Manual Alarm Call Point				Alloy material											SP-2885-046	SP-2885-046			1	
	18																						
	19																						
	20																						
	21																						
	22																						
	23																						
	24																						
	25																						
	26																						
	27																						
	28																						
	29																						
	30																						
	31																						
	32																						
	33																						
	34																						
	35																						
	36																						
	37																						
	38																						
	39																						
	40																						
	41																						
	42																						
	43																						
	44																						
	45																						
	46																						
	47																						
	48																						
	49																						
	50																						
	51																						
	52																						
	53																						
	54																						
	55																						
	56																						

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	Commissioning and 2 years spare parts list					
The document relates to	HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)				Contract	
					CW-I-WP4-2023-05	
Project ID	123A90	Doc. n°	1724000448-COM-LIS-00034	Rev. Issued for Information	Rev. Date 15-Feb-25	Status IFI / Class 2

The equipment consists of the following units/components

1 Tag no.: 50-LP-001

2 Tag description: PLC PANEL

3 Manufacturer mode//type no.:

4 Manufacturer serial no.:

5 No. of units: 1

Supplier: PHOENIX CONTACT S.p.A.	PO Number: No. 2885/20/24/0	PO description: PLC panel	Contact name:	
Address: Via Bellini 39/41 20095 Cusano Milanino (MI) ITALY		Supplier telephone no: +39 02 66 05 91	Contact mobile no:	
		E-mail: csc_it@phoenixcontact.com	WEBSITE www.phoenixcontact.it	
General Information:				

6 Quantity of parts FITTED / INSTALLED per unit/component

Item Number	Total number of identical spares installed	MATERIALS DATA: Description of recommended spare parts	Parts/drawing ref.: Project Datasheet no.	Project Detail dwg. no.	Item ref.	Material	Certicate Type (if applicable)	Certicate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturername	Commissioning spares: Quantity ordered	2 Years spares: Quantity ordered	Remarks
7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	Relays															SP-2885-047	SP-2885-047			1	
2	1	Relays															SP-2885-048	SP-2885-048			1	
3	50	Relays box															SP-2885-049	SP-2885-049			10	
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						
31																						
32																						
33																						
34																						
35																						
36																						
37																						
38																						
39																						
40																						
41																						
42																						
43																						
44																						
45																						
46																						
47																						
48																						
49																						
50																						
51																						
52																						
53																						
54																						
55																						
56																						

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	**Commissioning and 2 years spare parts list**					
The document relates to	**HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)**				Contract **CW-I-WP4-2023-05**	
Project ID	**123A90**	Doc. n°	**1724000448-COM-LIS-00034**	Rev. **Issued for Information**	Rev. Date **15-Feb-25**	Status **IFI** / Class **2**

The equipment consists of the following units/components

1 Tag no.: 50-LP-001

2 Tag description: PLC PANEL

Supplier: SIEMENS S.p.A.

Address: Via Vipiteno 4, 20128 MILANO, ITALY

PO Number: No. 2885/05/24/0

PO description: PLC panel

Supplier telephone no: +39 02 243 62000

E-mail: portale.rc-it@siemens.com

Contact name: Stefano Raimondo

Contact mobile no:

WEBSITE:

General Information:

3 Manufacturer model/type no.

4 Manufacturer serial no.

5 No. of units: 1

6 Quantity of parts FITTED / INSTALLED per unit/component: 1

Item Number	Total number of identical spares installed	MATERIALS DATA: Description of recommended spare parts	Parts/drawing ref.: Project Datasheet no.	Project Detail dwg. no.	Item ref.	Material	Certicate Type (if applicable)	Certicate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturername	Commissioning spares: Quantity ordered	2 Years spares: Quantity ordered	Remarks
7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	SIMATIC ET 200SP, output analogic module, AQ 4XU/I Standard								0,04						DE	SP-2885-050	SP-2885-050		1	1	
2	5	SIMATIC ET 200SP, inlet analogic module, AI 8XI 2-/4-Wire Basic								0,04						DE	SP-2885-051	SP-2885-051		1	1	
3	3	SIMATIC ET 200SP, output digital module, DQ 16x 24V DC/0,5A Standard								0,04						DE	SP-2885-052	SP-2885-052		1	1	
4	6	SIMATIC ET 200SP, inlet digital module, DI 16x 24V DC Standard								0,03						DE	SP-2885-053	SP-2885-053		1	1	
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						
31																						
32																						
33																						
34																						
35																						
36																						
37																						
38																						
39																						
40																						
41																						
42																						
43																						
44																						
45																						
46																						
47																						
48																						
49																						
50																						
51																						
52																						
53																						
54																						
55																						
56																						

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	Commissioning and 2 years spare parts list				
The document relates to	HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)				Contract: CW-I-WP4-2023-05
Project ID	123A90	Doc. n°	1724000448-COM-LIS-00034	Rev.: Issued for Information	Rev. Date: 15-Feb-25 / Status: IFI / Class: 2

The equipment consists of the following units/components

1 Tag no.: 50-LP-001

2 Tag description: MCC PANEL

3 Manufacturer model/type no.:

4 Manufacturer serial no.:

5 No. of units: 1

6 Quantity of parts FITTED / INSTALLED per unit/component: 1

Supplier: SCHNEIDER ELECTRIC S.p.A.	PO Number: No. 2885/21/24	PO description: MCC panel	Contact name:		
Address: via Circonvallazione Est,1 24040 Stezzano (BG) ITALY		Supplier telephone no:	Contact mobile no:		
		E-mail: it-ordini@se.com	WEBSITE:		
General Information:					

Item Number	Total number of identical spares installed	MATERIALS DATA: Description of recommended spare parts	Parts/drawing ref.: Project Datasheet no.	Project Detail dwg. no.	Item ref.	Material	Certicate Type (if applicable)	Certicate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturername	Commissioning spares: Quantity ordered	2 Years spares: Quantity ordered	Remarks
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
1	10	Base potenza 12A														SP-2885-054	SP-2885-054			1		
2	4	Unità standard 3-12A 24V DC														SP-2885-055	SP-2885-055			1		
3	6	Unità standard 0,35-1,4A 24V DC														SP-2885-056	SP-2885-056			1		
4	10	AUX CONTACT MOD 2NO														SP-2885-057	SP-2885-057			2		
5	10	CONTATTO AUX DIF+DISP														SP-2885-058	SP-2885-058			2		
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						
31																						
32																						
33																						
34																						
35																						
36																						
37																						
38																						
39																						
40																						
41																						
42																						
43																						
44																						
45																						
46																						
47																						
48																						
49																						
50																						
51																						
52																						
53																						
54																						
55																						
56																						

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	Commissioning and 2 years spare parts list				
The document relates to	HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)				Contract: CW-I-WP4-2023-05
Project ID	123A90	Doc. n°	1724000448-COM-LIS-00034	Rev.: Issued for Information	Rev. Date: 15-Feb-25 / Status: IFI / Class: 2

The equipment consists of the following units/components

1 Tag no.

2 Tag description: Pressure gauge

3 Manufacturer model/type no.

4 Manufacturer serial no.

5 No. of units: 1

6 Quantity of parts FITTED / INSTALLED per unit/component

Supplier: NUOVA FIMA STORE S.r.l.	PO Number: No. 2885/59/24/0	PO description: Pressure gauge	Contact name: Ugo Pigozzi
Address: via Barro, 56/58 28045 Invorio (NO) ITALY		Supplier telephone no:	Contact mobile no:
		E-mail: upigozzi@nuovafimastore.com	WEBSITE:
General Information:			

Item Number	Total number of identical spares installed	MATERIALS DATA: Description of recommended spare parts	Parts/drawing ref.: Project Datasheet no.	Project Detail dwg. no.	Item ref.	Material	Certicate Type (if applicable)	Certicate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturername	Commissioning spares: Quantity ordered	2 Years spares: Quantity ordered	Remarks
7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1		Pressure gauge, solid front, 0-6 bar, dia DN100 mm, inox 316L, IP67, connection 1/2" gas F/F				inox 316L											SP-2885-059	SP-2885-059			1	
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						
31																						
32																						
33																						
34																						
35																						
36																						
37																						
38																						
39																						
40																						
41																						
42																						
43																						
44																						
45																						
46																						
47																						
48																						
49																						
50																						
51																						
52																						
53																						
54																						
55																						
56																						

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	**Commissioning and 2 years spare parts list**					
The document relates to	**HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)**				Contract **CW-I-WP4-2023-05**	
Project ID	**123A90**	Doc. n°	**1724000448-COM-LIS-00034**	Rev. **Issued for Information**	Rev. Date **15-Feb-25**	Status **IFI** / Class **2**

The equipment consists of the following units/components

1	Tag no.	50-XV-025, 032, 033	50-XV-021, 022, 023, 031, 034, 035	50-XV-020				
2	Tag description	On-off ball valves	On-off ball valves	On-off ball valves				
3	Manufacturer mode/type no.	546 PRO D.20	546 PRO D.32	546 PRO D.50				
4	Manufacturer serial no.							
5	No. of units	3	7	1				
6	Quantity of parts FITTED / INSTALLED per unit/component	3						
			7					
				1				

Supplier: I.S.I. S.r.l.

Address: via Donatori di Organi, 3
29010 Castelvetro P.no (PC)
ITALY

PO Number: No. 2885/56/24/0

PO description: On-off ball valves

Supplier telephone no:

E-mail: davide.borgonovo@isi-flex.it

Contact name: Davide Borgonovo

Contact mobile no:

WEBSITE:

General Information:

Item Number	Total number of identical spares installed	MATERIALS DATA: Description of recommended spare parts	Parts/drawing ref.: Project Datasheet no.	Project Detail dwg. no.	Item ref.	Material	Certicate Type (if applicable)	Certicate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturername	Commissioning spares: Quantity ordered	2 Years spares: Quantity ordered	Remarks
7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	3	Set of gasket															SP-2885-060	SP-2885-060			1	
2	7	Set of gasket															SP-2885-061	SP-2885-061			1	
3	1	Set of gasket															SP-2885-062	SP-2885-062			1	
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						
31																						
32																						
33																						
34																						
35																						
36																						
37																						
38																						
39																						
40																						
41																						
42																						
43																						
44																						
45																						
46																						
47																						
48																						
49																						
50																						
51																						
52																						
53																						
54																						
55																						
56																						

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	Commissioning and 2 years spare parts list				
The document relates to	HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)				Contract: CW-I-WP4-2023-05
Project ID	123A90	Doc. n°	1724000448-COM-LIS-00034	Rev.: Issued for Information	Rev. Date: 15-Feb-25 / Status: IFI / Class: 2

The equipment consists of the following units/components

1 Tag no.	Supplier: MEF S.r.l.	PO Number: No. 2885/82/24/0 and 2885/84/24/0	PO description:
2 Tag description	Address:		Supplier telephone no: 0362-1739900
			E-mail: giuseppe.mandaglio@mefsrl.it
	General Information:		

Contact name:	Giuseppe Mandaglio	
Contact mobile no:	345-6176791	
WEBSITE:		

3 Manufacturer model/type no. — 4 Manufacturer serial no. — 5 No. of units

6 Quantity of parts FITTED / INSTALLED per unit/component

Item Number	Total number of identical spares installed	MATERIALS DATA: Description of recommended spare parts	Parts/drawing ref.: Project Datasheet no.	Project Detail dwg. no.	Item ref.	Material	Certicate Type (if applicable)	Certicate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturername	Commissioning spares: Quantity ordered	2 Years spares: Quantity ordered	Remarks
7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1		Cable gland M50*1.5, IP68															SP-2885-063	SP-2885-063	Cembre		1	
2		Cable gland M32*1.5, IP68															SP-2885-064	SP-2885-064	Cembre		1	
3		Cable gland M25*1.5, IP68															SP-2885-065	SP-2885-065	Cembre		1	
4		Cable gland M20*1.5, IP68															SP-2885-066	SP-2885-066	Cembre		2	
5		Cable gland M16*1.5, IP68															SP-2885-067	SP-2885-067	Cembre		2	
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						
31																						
32																						
33																						
34																						
35																						
36																						
37																						
38																						
39																						
40																						
41																						
42																						
43																						
44																						
45																						
46																						
47																						
48																						
49																						
50																						
51																						
52																						
53																						
54																						
55																						
56																						

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	Commissioning and 2 years spare parts list				
The document relates to	HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)				Contract: CW-I-WP4-2023-05
Project ID	123A90	Doc. n°	1724000448-COM-LIS-00034	Rev.: Issued for Information	Rev. Date: 15-Feb-25 / Status: IFI / Class: 2

The equipment consists of the following units/components

1 Tag no.

2 Tag description

Supplier: Plastic-Glass srl	PO Number: No. 2885/03/24/0	PO description: Erection of Water Treatment Plant in container
Address: Via Miles, 8 20873 Cavenago B.za (MB) ITALY		Supplier telephone no: +39 02 95 06 445 E-mail: paolo.toselli@plastic-glass.com

Contact name: Paolo Toselli

Contact mobile no:

WEBSITE: www.plastic-glass.com

General Information:

3 Manufacturer model/type no.

4 Manufacturer serial no.

5 No. of units

6 Quantity of parts FITTED / INSTALLED per unit/component

Item Number	Total number of identical spares installed	MATERIALS DATA																		Commissioning spares	2 Years spares	Remarks
		Description of recommended spare parts	Parts/drawing ref.			Material	Certicate Type (if applicable)	Certicate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturername	Quantity ordered	Quantity ordered	
			Project Datasheet no.	Project Detail dwg. no.	Item ref.																	
7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1		Ball valve PN16 1/2"		1724000448-PR-PID-00013		PVC-U											SP-2885-068	SP-2885-068			1	
1		Ball valve PN16 1"		1724000448-PR-PID-00013		PVC-U											SP-2885-069	SP-2885-069			1	
2		Ball valve PN16 1 1/4"		1724000448-PR-PID-00013		PVC-U											SP-2885-070	SP-2885-070			1	
3		Ball valve PN16 1 1/2"		1724000448-PR-PID-00013		PVC-U											SP-2885-071	SP-2885-071			1	
4		Check valve 1/2"		1724000448-PR-PID-00013		PVC-U											SP-2885-072	SP-2885-072			1	
5		Check valve 1"		1724000448-PR-PID-00013		PVC-U											SP-2885-073	SP-2885-073			1	
6		Diaphragm valve PN10 1"		1724000448-PR-PID-00013		PVC-U											SP-2885-074	SP-2885-074			1	
7		Sediment Strainer PN16 1/2"		1724000448-PR-PID-00013		PVC-U											SP-2885-075	SP-2885-075			1	
8		Ball valve PN10 1/2"		1724000448-PR-PID-00013		PP-H											SP-2885-076	SP-2885-076			1	
9		Check valve 1/2"		1724000448-PR-PID-00013		PP-H											SP-2885-077	SP-2885-077			1	
10		"Y" Strainer PN10 1/2"		1724000448-PR-PID-00013		PP-H											SP-2885-078	SP-2885-078			1	
11		Air release valve 1/2"		1724000448-PR-PID-00013		PVC-U											SP-2885-079	SP-2885-079			1	
12		Spring check valve 1/2"		1724000448-PR-PID-00013		PP-H											SP-2885-080	SP-2885-080			1	
13		Ball check valve 1/2"		1724000448-PR-PID-00013		PVC-U											SP-2885-081	SP-2885-081			1	
14		Ball check valve 1/2"		1724000448-PR-PID-00013		PP-H											SP-2885-082	SP-2885-082			1	
15		Flat gasket thk. 3 mm 1/2"		1724000448-PR-PID-00013		EPDM											SP-2885-083	SP-2885-083			20	
16		Flat gasket thk. 3 mm 1"		1724000448-PR-PID-00013		EPDM											SP-2885-084	SP-2885-084			10	
17		Flat gasket thk. 3 mm 1 1/2"		1724000448-PR-PID-00013		EPDM											SP-2885-085	SP-2885-085			6	
18		Flat gasket thk. 3 mm 2"		1724000448-PR-PID-00013		EPDM											SP-2885-086	SP-2885-086			6	
19		Screw M16x70 with 1 nut and 2 washer		1724000448-PR-PID-00013		A4											SP-2885-087	SP-2885-087			20	
20		Screw M12x60 with 1 nut and 2 washer		1724000448-PR-PID-00013		A4											SP-2885-088	SP-2885-088			40	
21		Screw M12x70 with 1 nut and 2 washer		1724000448-PR-PID-00013		A4											SP-2885-089	SP-2885-089			60	
22																						
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						
31																						
32																						
33																						
34																						
35																						
36																						
37																						
38																						
39																						
40																						
41																						
42																						
43																						
44																						
45																						
46																						
47																						
48																						
49																						
50																						
51																						
52																						
53																						
54																						
55																						
56																						

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	**Commissioning and 2 years spare parts list**					
The document relates to	**HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)**				Contract **CW-I-WP4-2023-05**	
Project ID	**123A90**	Doc. n°	**1724000448-COM-LIS-00034**	Rev. **Issued for Information**	Rev. Date **15-Feb-25**	Status **IFI** / Class **2**

The equipment consists of the following units/components

1 Tag no. | 2 Tag description | 3 Manufacturer model/type no. | 4 Manufacturer serial no. | 5 No. of units | 6 Quantity of parts FITTED / INSTALLED per unit/component

Supplier: Plastic-Glass srl

Address: Via Miles, 8
20873 Cavenago B.za (MB)
ITALY

PO Number: No. 2885/03/24/0

PO description: Erection of Water Treatment Plant in container

Supplier telephone no: +39 02 95 06 445

E-mail: paolo.toselli@plastic-glass.com

Contact name: Paolo Toselli

Contact mobile no:

WEBSITE: www.plastic-glass.com

General Information:

		MATERIALS DATA																		Commissioning spares	2 Years spares	
Item Number	Total number of identical spares installed	Description of recommended spare parts	Parts/drawing ref.			Material	Certicate Type (if applicable)	Certicate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturername	Quantity ordered	Quantity ordered	Remarks
			Project Datasheet no.	Project Detail dwg. no.	Item ref.																	
7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1		Set of gasket		1724000448-PR-PID-00013		EPDM											SP-2885-090	SP-2885-090			2 set	
1		Set of bolt		1724000448-PR-PID-00013		8.8											SP-2885-091	SP-2885-091			2 set	
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						
31																						
32																						
33																						
34																						
35																						
36																						
37																						
38																						
39																						
40																						
41																						
42																						
43																						
44																						
45																						
46																						
47																						
48																						
49																						
50																						
51																						
52																						
53																						
54																						
55																						
56																						

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	Commissioning and 2 years spare parts list					
The document relates to	HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)				Contract: CW-I-WP4-2023-05	
Project ID	123A90	Doc. n°	1724000448-COM-LIS-00034	Rev.: Issued for Information	Rev. Date: 15-Feb-25	Status: IFI / Class: 2

The equipment consists of the following units/components

1	Tag no.							
2	Tag description							
3	Manufacturer model/type no.	LG SW 4040 R						
4	Manufacturer serial no.							
5	No. of units							
6	Quantity of parts FITTED / INSTALLED per unit/component							

Supplier: SG Project Srl	PO Number: No. 2885/06/24/0	PO description: SWRO membranes	Contact name: Nicolò Di Lascio			
Address: Strada Folciona, 5/bis 27058 Voghera (PV) ITALY		Supplier telephone no:	Contact mobile no: 0039 327 8113714			
		E-mail: nicolo.dilascio@sgprojects.it	WEBSITE: https://sgprojects.it			
General Information:						

		MATERIALS DATA																	Commissioning spares	2 Years spares	
	Item Number / Total number of identical spares installed	Description of recommended spare parts	Parts/drawing ref.			Material	Certicate Type (if applicable)	Certicate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturer name	Quantity ordered	Quantity ordered	Remarks
			Project Datasheet no.	Project Detail dwg. no.	Item ref.																
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	12	LG SW 4040 R, diameter 4", lenght 40"				Polyamide thin-film composite											SP-2885-092	SP-2885-092		2	36	
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						
31																						
32																						
33																						
34																						
35																						
36																						
37																						
38																						
39																						
40																						
41																						
42																						
43																						
44																						
45																						
46																						
47																						
48																						
49																						
50																						
51																						
52																						
53																						
54																						
55																						
56																						

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	**Commissioning and 2 years spare parts list**					
The document relates to	**HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)**				Contract **CW-I-WP4-2023-05**	
Project ID	**123A90**	Doc. n°	**1724000448-COM-LIS-00034**	Rev. **Issued for Information**	Rev. Date **15-Feb-25**	Status **IFI** / Class **2**

The equipment consists of the following units/components

1 Tag no.

2 Tag description

Supplier: Everblue srl

PO Number: No. 2885/40/24/0, No. 2885/71/24/0

PO description: Cartridge filters and Chemicals

Contact name: Gianpaolo Spagnoli

Address: Via Alberto Zanrè, 16
43051 Loc. Gotra, Albareto (PR)
ITALY

Supplier telephone no: +39 05251920100 int.15

Contact mobile no:

E-mail: spagnoli@everblue.it

WEBSITE: http://www.everblue.it

General Information:

3 Manufacturer model/type no.

4 Manufacturer serial no.

5 No. of units

6 Quantity of parts FITTED / INSTALLED per unit/component

Item Number	Total number of identical spares installed	Description of recommended spare parts	Parts/drawing ref.			Material	Certicate Type (if applicable)	Certicate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturername	Commissioning spares	2 Years spares	Remarks
			Project Datasheet no.	Project Detail dwg. no.	Item ref.															Quantity ordered	Quantity ordered	
7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	Cartridge 20 micron				PP spiral wound											SP-2885-093	SP-2885-093	Everblue			CONSUMABLES: quantity ordered n.6
2	2	Cartridge 5 micron				PP spiral wound											SP-2885-094	SP-2885-094	Everblue			CONSUMABLES: quantity ordered n.6
3																						
4		Antiscalant Everblue 600															SP-2885-095	SP-2885-095	Everblue			CONSUMABLES: quantity ordered 20 kg for 6 months
5		Biocide EB Plus EBBPL															SP-2885-096	SP-2885-096	Everblue			CONSUMABLES: quantity ordered 60 kg for 6 months
6		Biocide EB Plus EBBPL															SP-2885-097	SP-2885-097	Everblue			CONSUMABLES: quantity ordered 10 kg for 6 months
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						
31																						
32																						
33																						
34																						
35																						
36																						
37																						
38																						
39																						
40																						
41																						
42																						
43																						
44																						
45																						
46																						
47																						
48																						
49																						
50																						
51																						
52																						
53																						
54																						
55																						
56																						

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	Commissioning and 2 years spare parts list					
The document relates to	HOLLANDSE KUST NOORD WIND PARK Project - Base Load Power Hub (BLPH)				Contract: CW-I-WP4-2023-05	
Project ID	123A90	Doc. n°	1724000448-COM-LIS-00034	Rev.: Issued for Information	Rev. Date: 15-Feb-25	Status: IFI / Class: 2

The equipment consists of the following units/components

1 Tag no.

2 Tag description

3 Manufacturer model/type no.

4 Manufacturer serial no.

5 No. of units

Supplier: Merk Life Science Srl	PO Number: No. 2885/88/24/0	PO description: Caustic soda	Contact name:
Address: Via Monte Rosa, 93 20149 Milano ITALY		Supplier telephone no: 0039 02 33417310	Contact mobile no:
		E-mail: itcustomerrelations@merkgroup.com	WEBSITE:
General Information:			

6 Quantity of parts FITTED / INSTALLED per unit/component

Item Number	Total number of identical spares installed	MATERIALS DATA: Description of recommended spare parts	Parts/drawing ref.: Project Datasheet no.	Project Detail dwg. no.	Item ref.	Material	Certicate Type (if applicable)	Certicate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturername	Commissioning spares: Quantity ordered	2 Years spares: Quantity ordered	Remarks
7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1		Sodium hydroxide solution 6 mol/l															SP-2885-098	SP-2885-098	Merk			CONSUMABLES: quantity ordered 1 l for 6 months
2		Sodium hydroxide solution 6 mol/l															SP-2885-099	SP-2885-099	Merk			CONSUMABLES: quantity ordered 2,5 l for 6 months
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						
31																						
32																						
33																						
34																						
35																						
36																						
37																						
38																						
39																						
40																						
41																						
42																						
43																						
44																						
45																						
46																						
47																						
48																						
49																						
50																						
51																						
52																						
53																						
54																						
55																						
56																						