ROSETTI MARINO

123A90 - HOLLANDSE KUST NOORD WIND PARK
BLPH Project

CROSSWIND

Ready For Operation (RFO) Certificate

COMPLETE	●	PARTIAL	

Revision:	2		Issued on:	2025-04-23	
System:	84	/	Battery & No-Break System		
SubSystem:	84-20	/	AC 15 kVA UPS System (UP-200F4)		

We hereby confirm that all Mechanical Completion (MC) and Pre-Commissioning/Commissioning (Pre-Comm./Comm.) activities for the above-mentioned System/Sub-System have been successfully completed in accordance with project specifications, relevant standards and contractual requirements. The System/Sub-System has been tested and verified to ensure readiness for operation. Issuance of this Certificate shall not release CONTRACTOR from any of his obligations, responsibilities or liabilities under the CONTRACT.

- **Mechanical Completion:** All required MC activities have been completed and approved
- **Pre-Commissioning & Commissioning:** All required Pre-Comm. and Comm. activities and OTPs have been completed and approved (Status Index attached)
- **Punch List:** All Punch items categorized as A and B have been cleared (PL report attached)
- **Documentation:** As-built documentation and Commissioning dossier has been completed, reviewed and approved

PUNCH LIST	PENDING POINTS
Note: All Category "A" and "B" Items must be cleared prior to issuance of the Ready For Operation (RFO) Certificate	B '0

REMARKS:

	CONTRACTOR Commissioning Manager	**COMPANY** Commissioning Lead
Name	Anthony Iveson	Martin Taylor
Date	2025-04-24	2025-04-25
Signature	Digitaly signed by Anthony Iveson 2025-04-24T08:45:35.746Z	Digitaly signed by Martin Taylor 2025-04-25T11:13:07.924Z

Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 84-20 & process: COMM

Electrical	84-20 AC 15 kVA UPS System (UP-200F4)

ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
A2/+04-QF1	DRAWER UPS F&G - BYPASS - A2/+04-QF1	ONSHORE	C10002818	FP00	100	2024-11-12	RFO 2
		ONSHORE	C10002819	FTR-2	100	2024-09-20	RFO 2
		ONSHORE	C10002820	FTR-6	100	2024-10-03	RFO 2
		ONSHORE	C10003009	FTR-5	100	2025-04-22	RFO 2
A6/+05-QF1	DRAWER UPS F&G - LINE A - A6/+05-QF1	ONSHORE	C10002821	FP00	100	2024-11-12	RFO 2
		ONSHORE	C10002822	FTR-2	100	2024-09-20	RFO 2
		ONSHORE	C10002823	FTR-6	100	2024-10-02	RFO 2
		ONSHORE	C10003010	FTR-5	100	2025-04-22	RFO 2
A6/+06-QF1	DRAWER UPS F&G - LINE B - A6/+06-QF1	ONSHORE	C10002824	FP00	100	2024-11-12	RFO 2
		ONSHORE	C10002825	FTR-2	100	2024-09-20	RFO 2
		ONSHORE	C10002826	FTR-6	100	2024-10-02	RFO 2
		ONSHORE	C10003011	FTR-5	100	2025-04-22	RFO 2
BA-200F4A	Battery Rack GEL VRLA-20Y for AC UPS 15 kVA	ONSHORE	C10002831	FTR-3	100	2024-11-18	RFO 2
BA-200F4A-C	UPS F&G - BA-200F4A-C	ONSHORE	C10002829	FTR-4	100	2024-11-18	RFO 2
BA-200F4A-D	UPS F&G - BA-200F4A-D	ONSHORE	C10002830	FTR-4	100	2024-11-18	RFO 2
BA-200F4B	Battery Rack GEL VRLA-20Y for AC UPS 15 kVA	ONSHORE	C10002834	FTR-3	100	2024-11-19	RFO 2
BA-200F4B-C	UPS F&G - BA-200F4B-C	ONSHORE	C10002832	FTR-4	100	2024-11-18	RFO 2
BA-200F4B-D	UPS F&G - BA-200F4B-D	ONSHORE	C10002833	FTR-4	100	2024-11-18	RFO 2
CB-200F4A-Q2	BATTERY CUTOFF UPS F&G - CB-200F4A-Q2	ONSHORE	C10002815	FTR-2	100	2024-11-14	RFO 2
CB-200F4B-Q2	BATTERY CUTOFF UPS F&G - CB-200F4B-Q2	ONSHORE	C10002816	FTR-2	100	2024-11-14	RFO 2
DP-200N1-Q42	BREAKER AUX UPS F&G - DP-200N1-Q42	ONSHORE	C10002817	FTR-2	100	2024-10-28	RFO 2
UP-200F4	AC UPS 15 kVA Redundant System with By-Pass	ONSHORE	C10002827	FP16A	100	2025-03-12	RFO 2
		ONSHORE	C10002828	FTR-6	100	2025-03-12	RFO 2
UP-200F4-QF33	SPARE	ONSHORE	C10004589	FTR-2	100	2024-11-14	RFO 2
UP-200F4-QF34	SPARE	ONSHORE	C10004590	FTR-2	100	2024-11-14	RFO 2
UP-200F4-QF35	SPARE	ONSHORE	C10004591	FTR-2	100	2024-11-14	RFO 2
UP-200F4-QF38	SPARE	ONSHORE	C10004594	FTR-2	100	2024-11-14	RFO 2

Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 84-20 & process: COMM

Instrumental	84-20 AC 15 kVA UPS System (UP-200F4)						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
84-XS-008A	DISCONNECT AC UPS UP-200F4 BATTERIES A	ONSHORE	C10003815	FJ01D	100	2025-01-28	RFO 2
84-XS-008B	DISCONNECT AC UPS UP-200F4 BATTERIES B	ONSHORE	C10003814	FJ01D	100	2025-01-28	RFO 2
84-XS-011	INHIBIT. BATTERY CHARGING AC UPS UP-200F4 BATTERIES	ONSHORE	C10003811	FJ01D	100	2025-01-28	RFO 2

Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 84-20 & process: COMM

Miscellaneous	84-20 AC 15 kVA UPS System (UP-200F4)

ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
123A90-PML-COM-PRO-03060	OTP -UPS System UP-200F4 15kVA	ONSHORE	C10004629	5300	100	2025-04-23	-
		OFFSHORE	C10004950	5300	0	-	-

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 84 Battery & No-Break System

SUBSYSTEM 84-20 AC 15 kVA UPS System (UP-200F4)

Electrical

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000248	B	83033-CEL C10000558	Missing cable tags on internal and external side of MCT	-		Gtangianu 2024-10-24	2025-01-31	Gtangianu 2025-01-31	2025-01-31
C30000249	B	83033-CEL C10000558	Plastic cable ties to be replaced on external routing	-		Gtangianu 2024-10-24	2025-02-26	Pschintu 2025-02-26	2025-02-26
C30000250	B	83033-CEL C10000558	Missing identification number of terminal strip X10 inside the UP-200F4	-		Gtangianu 2024-10-24	2025-03-06	Gtangianu 2025-03-06	2025-03-06
C30000251	B	83033-CEL C10000558	Wrong core identification tag on both cable's termination	-		Gtangianu 2024-10-24	2024-12-23	Ecarotenuto 2024-12-23	2024-12-23
C30000264	B	83123-CEL C10002109	Plastic cable ties to be replaced on external routing.	-		Gtangianu 2024-10-24	2025-02-26	Pschintu 2025-02-26	2025-02-26
C30000265	B	83123-CEL C10002109	Cable to be fixed with proper cable ties, after MCT installation of the panel DP-200N1	-		Gtangianu 2024-10-24	2025-01-31	Gtangianu 2025-01-31	2025-01-31
C30000266	B	83123-CEL C10002109	Wrong core identification tag on both cable's termination	-		Gtangianu 2024-10-24	2025-03-06	Gtangianu 2025-03-06	2025-03-06
C30000278	B	84410-CEC C10002345	Missing all core identification tag on terminals inside BC-200F4A	-		Gtangianu 2024-10-25	2024-11-23	Lmussi 2024-11-23	2024-11-23
C30000280	B	84410-CEC C10002345	Cable to be fixed with cable ties on all routing	-		Gtangianu 2024-10-29	2024-11-23	Lmussi 2024-11-23	2024-11-23

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 84 Battery & No-Break System
SUBSYSTEM 84-20 AC 15 kVA UPS System (UP-200F4)

Electrical

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000308	B	83031-CEL C10000556	Plastic cable ties to be replaced on external routing	.		Gtangianu 2024-11-04	2025-02-26	Pschintu 2025-02-26	2025-02-26
C30000309	B	83031-CEL C10000556	Missing cable tags on internal and external side of MCT	.		Gtangianu 2024-11-04	2025-01-31	Gtangianu 2025-01-31	2025-01-31
C30000310	B	83031-CEL C10000556	Identification tag of wire are wrong or missing inside SG-200N1 (A6/+05)	.		Gtangianu 2024-11-04	2025-02-04	Gtangianu 2025-02-04	2025-02-04
C30000311	B	83032-CEL C10000557	Identification tag of wire are wrong or missing inside SG-200N1 (A6/+06)	.		Gtangianu 2024-11-04	2025-02-04	Gtangianu 2025-02-04	2025-02-04
C30000312	B	83032-CEL C10000557	Missing cable tags on internal and external side of MCT	.		Gtangianu 2024-11-04	2025-01-31	Gtangianu 2025-01-31	2025-01-31
C30000313	B	83032-CEL C10000557	Plastic cable ties to be replaced on external routing	.		Gtangianu 2024-11-04	2025-02-26	Pschintu 2025-02-26	2025-02-26
C30000314	B	CB-200F4B C10000858	Missing thermo shrink on internal earthing connections	.		Gtangianu 2024-11-04	2025-03-06	Gtangianu 2025-03-06	2025-03-06
C30000315	B	CB-200F4A C10000857	Traffolyte tag "S2" is damaged.	.		Gtangianu 2024-11-04	2025-02-04	Gtangianu 2025-02-04	2025-02-04
C30000316	B	CB-200F4A C10000857	Missing thermo shrink on internal earthing connections	.		Gtangianu 2024-11-04	2025-03-06	Gtangianu 2025-03-06	2025-03-06

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 84 Battery & No-Break System
SUBSYSTEM 84-20 AC 15 kVA UPS System (UP-200F4)

Electrical

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000317	B	BA-200F4B C10000851	Missing tag on battery bank	.		Gtangianu 2024-11-04	2025-02-04	Gtangianu 2025-02-04	2025-02-04
C30000318	B	84411-CEC C10002346	Missing identification tag of wire inside BC-200F4B	.		Gtangianu 2024-11-04	2024-11-23	Lmussi 2024-11-23	2024-11-23
C30000319	B	84411-CEC C10002346	Missing cable tags on internal and external side of BC-200F4B	.		Gtangianu 2024-11-04	2024-12-14	Ecarotenuto 2024-12-14	2024-12-14
C30000320	B	BA-200F4A C10000850	Missing tag on battery bank	.		Gtangianu 2024-11-04	2025-02-04	Gtangianu 2025-02-04	2025-02-04
C30000321	B	83032-CEL C10000557	Identification tag on terminal strip X1 inside UP-200F4, are not as per drawing. (4U/4V/4W are indicated instead of 3U/3V/3W)_ one is	.		Gtangianu 2024-11-04	2025-03-06	Gtangianu 2025-03-06	2025-03-06
C30000322	B	83031-CEL C10000556	inside UP-200F4 the Identification tag on terminal strip (X1 and 1W) are missing.	.		Gtangianu 2024-11-04	2025-02-04	Gtangianu 2025-02-04	2025-02-04
C30000323	B	UP-200F4 C10000872	The panel needs to be cleaned.	.		Gtangianu 2024-11-04	2024-12-14	Ecarotenuto 2024-12-14	2024-12-14
C30000325	B	CB-200F4A C10000857	Terminal X1 and X2 are different from drawing 172400372-EL-DG-00011. They are UKH 95 instead of UKH70. (see attached photo)	.		Ecarotenuto 2024-11-05	2024-11-26	Ecarotenuto 2024-11-26	2024-11-26
C30000326	B	CB-200F4B C10000858	Terminal X1 and X2 are different from drawing 172400372-EL-DG-00011. They are UKH 95 instead of UKH70. (see attached photo)	.		Ecarotenuto 2024-11-05	2024-11-26	Ecarotenuto 2024-11-26	2024-11-26

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	84	Battery & No-Break System
SUBSYSTEM	84-20	AC 15 kVA UPS System (UP-200F4)

Electrical

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000675	B	84411-CEL-2-PC10000652	Fixing bolts of BTM are of various sizes. They needs to be replaced as per drawing. See attached Photo.	.		Gtangianu 2024-11-20	2024-12-14	Ecarotenuto 2024-12-14	2024-12-14
C30000676	B	84411-CEL-2-NC10000653	Fixing bolts of BTM are of various sizes. They needs to be replaced as per drawing. See attached Photo.	.		Gtangianu 2024-11-20	2024-12-14	Ecarotenuto 2024-12-14	2024-12-14

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	84	Battery & No-Break System
SUBSYSTEM	84-20	AC 15 kVA UPS System (UP-200F4)

Telecom

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000793	B	UP-200F4/B400 -NET-001.01 C10004372	Identification cable tag missing inside UP-200F4 connection.	.		Gtangianu 2024-11-22	2025-02-21	Gtangianu 2025-02-21	2025-02-21
C30000794	B	UP-200F4/B400 -NET-001.02 C10004373	Identification cable tag missing inside UP-200F4 connection.	.		Gtangianu 2024-11-22	2025-02-21	Gtangianu 2025-02-21	2025-02-21

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 84 Battery & No-Break System

SUBSYSTEM 84-20 AC 15 kVA UPS System (UP-200F4)

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000882	B	C-CB-200F4A/B 400-SIS-001 C10000199	Missing cable tag outside B-400-SIS-001 panel	.		Pschintu 2024-11-25	2024-12-11	Pschintu 2024-12-11	2024-12-11
C30000900	B	C-CB-200F4B/B 400-SIS-001 C10000200	Missing cable tag outside B-400-SIS-001 panel	.		Pschintu 2024-11-25	2025-01-07	Gtangianu 2025-01-07	2025-01-07
C30001059	B	C-UP-200F4/B4 00-SIS-001 C10000201	Missing SS cable tag	.		Pschintu 2024-11-30	2025-01-31	Gtangianu 2025-01-31	2025-01-31
C30001060	B	C-UP-200F4/B4 00-SIS-001 C10000201	Missing core identification tag by UP-200F4 side	.		Pschintu 2024-11-30	2025-03-06	Gtangianu 2025-03-06	2025-03-06