CROSSWIND

TECHNICAL QUERY
Hollandse Kust Noord

No. TQ :	CW-ROS-TQ-0014	Rev:	1

Originating Party	Crosswind					
Subject	Hydrogen interface					
Author	S. Bremner	TQ Aconex unique number: CWHKN-INN-BPH-TQ-00050				
Interface TQ - from	Ballard	TQ interface source Aconex unique number: BPSE-INN-BPH-TQ-00007				
Type	Query		X	Interface		X
	Deviation			Derogation (SHALL[PS])		
	Note: No deviations nor derogations which have an adverse effect on HSSE will be granted					
Workpackage	Fuel Cells					
Area(s) of application	Design & Eng.	X	Procurement		Construction	
	Commissioning		Operations		Other	
Issue date	26-04-2024		Urgent reply 5 days		Routine reply 10 days	X
Close-out date	07-06-2024					
Closed-out by	Ballard		TQ status:		Closed-out	

1. Description

Reference documents / Aconex unique numbers:

- K559-2254-CWIWP4202202-C03-001 (Process and Instrumentation Diagram)

Hydrogen inlet pressure

- Ballard requests to raise the minimum hydrogen inlet pressure at =HA01+DA02-XM01 from minimum 3.5 BarG to minimum 4.0 BarG due to extended pressure losses in the system.
- Ballard requests that the nominal setting of the pressure regulator is 6 barG.
- The advantage of this is eliminating the risk of low-pressure dropout during operation at full power.
- Operation of the FC package with inlet pressures below 4.0 barG is possible with reduced power (estimated <600kW)

2. Response

Reference documents / Aconex unique numbers

Rosetti acknowledges above requirements and it will proceed with this change including the one reported in CW-ROS-TQ-0016

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