

Scope of Work for ICN Gateway
Scarborough Floating Production Unit

Package Name	Pressure Vessels
Package Number	R3868-MR-11310-02
Scope of Supply	<p>9V57001 Air Reciever (Dia: 5010 mm, TT: 8400 MM, Design:1300 kPag @75deg C), Vertical 9V58101 Nitrogen Reciever (Dia: 2800 mm, TT: 8800 MM, Design:1300 kPag @75deg C) Vertical 9V51001 Cooling Medium Expansion Vessel (Dia: 2400 mm, TT: 5645 MM, Design:700 kPag @90deg C) Vertical 9V52001 Heating Medium Expansion Vessel (Dia: 2800 mm, TT: 4000 MM, Design:1700 kPag @215deg C) Horizontal 9V67101 HP Flare Knock out Drum Dia: 5200 mm, TT: 15000 MM, Design:1400 kPag @190deg C) Horizontal 9E67101 Electric Heater for HP Flare Knock Out Drum Duty: 70 kW 9V57001 Spare Parts - Start-up & commissioning spare parts for Air Receiver 9V58101 Spare Parts - Start-up & commissioning spare parts for Nitrogen Receiver 9V51001 Spare Parts - Start-up & commissioning spare parts for Cooling Medium Expansion Vessel 9V52001 Spare Parts - Start-up & commissioning spare parts for Heating Medium Expansion Vessel 9V67101 Spare Parts - Start-up & commissioning spare parts for HP Flare Knockout Drum 9V57001 Baseplate Stud Bolts - Baseplate stud bolts with four (4) nuts and washers per stud bolt for Air Receiver 9V58101 Template - Base ring template for Nitrogen Receiver 9V58101 Baseplate Stud Bolts - Baseplate stud bolts with four (4) nuts and washers per stud bolt for Nitrogen Receiver 9V51001 Template - Base ring template for Cooling Medium Expansion Vessel 9V51001 Baseplate Stud Bolts - Baseplate stud bolts with four (4) nuts and washers per stud bolt for Cooling Medium Expansion Vessel 9V52001 Baseplate Stud Bolts - Baseplate stud bolts with four (4) nuts and washers per stud bolt for Heating Medium Expansion Vessel 9V67101 Baseplate Stud Bolts - Baseplate stud bolts with four (4) nuts and washers per stud bolt for HP Flare Knockout Drum</p> <p>Package comprising: Complete Instrumentation, Wiring And Junction Boxes for remote operation Material handling, lifting/removal provision Detailed drawings Surface Preparation And Painting Packing and Delivery Drawings and Documentation per SDR Pre-commissioning, Commissioning and Construction Spare Parts Special Tools for installation, commissioning /start-up, inspection and testing, maintenance and lifting, if any Participation at HAZOP, 3D- Model reviews, SIL reviews, Safety reviews, etc. as per project and authority requirements Authority and third party approval, including DNVGL classification</p>

	<p>certification as applicable</p> <p>Options</p> <p>Supervision of Installation and commissioning per diem basis</p> <p>One (1)-year of operational and maintenance spare parts</p> <p>Capital / Insurance Spare Parts (see chapter 5.1 and 17.0)</p> <p>Training (see chapter 24)</p> <p>Aftermarket Support Contract Options to be defined by Supplier for consideration by Company and Contractor</p> <p>Technical Improvements and Upgrades to address OEM field/fleet lessons learnt and OEM improvement programmes</p> <p>List of options and variations offered on the Standard Package</p> <p>Vendor “remote monitoring and diagnostics” technology.</p> <p>Quote for thermal (spectral analysis) camera system for Flame monitoring. Also supplier to recommend, if an alternative methodology needs to be adopted for flame monitoring.</p>
<p>Specifications and Standards:</p>	<ul style="list-style-type: none"> ▪ W1000SM3124353 Pressure Vessels ▪ W1000SM3130754 Static Equipment Vibration Fatigue assessment ▪ W1000SM001 Hydrostatic and Pneumatic Pressure Testing ▪ W1000SM8746247 Vessel Internals Mechanical Requirements ▪ W1000SP8738496 Gas-Liquid Separators ▪ W1000SP8738900 Pressure Relief, Emergency Depressuring, Flare and Vent System ▪ W1000SL8512367 Pressure Equipment Materials (IOGP S-563 Piping Material Specification) ▪ W1000SM030 Bolts, Stud Bolts And Nuts – Pressure Equipment And Structural Applications ▪ W1000SQ002 Certification, Traceability And Identification Requirements For Engineering Products ▪ W1000SL8805574 Equipment Preservation ▪ W1000SG8676422 Lifting Equipment ▪ W1000SM5234504 Welding Management ▪ W1000SM3132441 Thermal and Acoustic Insulation ▪ W1000SL8107502 Positive Material Identification ▪ W1000SM3131997 Piping Flange Bolting ▪ W1000SJ025 Engineering Standard Instruments for Measurement & Control ▪ W1000SJ010 Engineering Standard Instrument Installation ▪ W1000SE001 Engineering Standard Electrical, Instruments & Communications cable & Glands ▪ W1000SE020 Engineering Standard Electrical installations ▪ W1000SE025 Engineering Standard Electrical Design ▪ W1000SE164592 Engineering Standard Hazardous Area Equipment EEEHA Competency Requirements ▪ W1000SE028 Engineering Standard Hazardous Area Equipment Verification Dossier ▪ W1000SE290001 Engineering Standard Hazardous Area Electrical Equipment Selection Installation Inspection and Maintenance ▪ W1000SE290002 Inspection of Electrical Equipment in Hazardous Areas Procedure ▪ W1000SP017 Engineering Standard Hazardous Area Classification ▪ W1000UE7105725 I99 Hazardous Area Electrical Equipment Inspection Sheet ▪ W1000SS8108463 Offshore Structures Weight Control (Amendments to ISO 19901-5) ▪ W1000SF5568543 Human Factors In Design ▪ SA0005RF0000037 (R3868-000-SE-SP-00005) Design Accidental Load Specification ▪ SA8800SM0000024 (R3868-000-PI-SP-00009) Specification for Equipment Nozzle Loads ▪ SA8830KP0000003 (R3868-000-PR-SP-00001) Site and utility data ▪ SA8800SL0000001 (R3868-000-ME-SP-00003) Specification for Painting and Coating ▪ SA8800SL0000003 (R3868-000-PR-SP-00013) Welding Specification – Pressure

	<p>Vessels</p> <ul style="list-style-type: none"> ▪ SA8830SL0000003 (R3868-000-PR-SP-00011) Thermal Metal Spray Specification ▪ SA8800SL0000002 (R3868-000-ME-SP-00004) Specification for Thermal and Acoustic Insulation ▪ SA8840SL0000002 (R3868-000-PR-SP-00015) PMI Specification ▪ SA9000SS0000005 (R3868-000-CS-SP-00005) Structural Design ▪ SA0000SQ0000001 (R3868-QA-SP-000001) Quality Specification for Supply of Products and Services ▪ SA0000SQ0000002 (R3868-QA-SP-000002) Supplier Survey Form ▪ SA0005SF0000003 (R3868-000-SE-SP-00003) Human Factors Engineering Specification ▪ SA8820SE0000005 (R3868-000-EL-SP-00001) Electrical Requirements for Packaged Equipment ▪ SA8850SJ0000009 (R3868-000-IC-SP-00006) General Instrument Specification for Package Unit ▪ SA8850SJ0000012 (R3868-000-IC-SP-00009) Piping and Instrumentation Interface Specification ▪ SA8850SJ0000011 (R3868-000-IC-SP-00008) Electrical and Instrumentation Interface Specification ▪ SA0000SQ0000003 (R3868-QA-SP-000003) Certification & Regulatory Compliance Specification for Supply of Products
Minimum Scope of Work Requirements:	<ol style="list-style-type: none"> 1. Engineering Detailed Design and Procurement of Materials and Equipment. 2. Fabrication 3. Inspection & Testing 4. Documentation 5. Packing & Preservation Package 6. Proven Design 7. Offshore application. 8. Low/ Unmanned
Contact:	<p>Industry Capability Network Western Australia (+61 8) 9365 7623 Name: Carla Peyton / Linus O'Brian Phone No.: T: (08) 9365 7543 / M: 0428 403 072 / (08) 9365 7556 E-mail: Carla.Peyton@icnwa.org.au / Linus.OBrien@icnwa.org.au</p> <p>Please Note:</p> <ul style="list-style-type: none"> ▪ This is a request for specific expressions of interest, vendors and contractors will be considered for prequalification and / or tender if suitably qualified. For general expressions of interest please ensure you are registered with Industry Capability Network Western Australia.
URL	<p>For more information about McDermott, please refer to the McDermott website https://www.mcdermott.com/</p>
Closing Date:	13 Feb 20