

## Scope of Work for ICN Gateway Scarborough Floating Production Unit

<b>Package Name</b>	Sewage Treatment Unit
<b>Package Number</b>	SA5600RM1000001.01
<b>Scope of Supply</b>	<p><b>9MCR56001-Macerator</b></p> <p><b><u>Package comprising:</u></b>  Macerator  Motor  Lifting Lug  Earthing Lug  Vent and Drain Valve  Interconnecting Piping  Lifting Sets as required  Material handling, lifting/removal provision for Sewage Treatment Unit  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  Structural Bolts(800 mm long) and nuts  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 certification as applicable  Any other required ancillary for proper functioning of the package</p> <p>Options  Booster Pump  Supervision of Installation and commissioning per diem basis  One (1)-year of operational and maintenance spare parts  Capital / Insurance Spare Parts  Training  Aftermarket Support Contract Options to be defined by Supplier for consideration by Company and Contractor  Technical Improvements and Upgrades to address OEM field/fleet lessons learnt and OEM improvement programmes  List of options and variations offered on the Standard Package  Vendor “remote monitoring and diagnostics” technology.</p>
<b>Specifications and Standards:</b>	<ul style="list-style-type: none"> <li>▪ AS/NZ as applicable</li> <li>▪ W1000SG5440604 -SPIR Completion Guideline</li> <li>▪ W1000SG8676422- Engineering Standard Lifting Equipment</li> <li>▪ W1000SL8512367- Engineering Standard: Pressure Equipment Materials</li> <li>▪ W1000SL8805574- Engineering Standard Equipment Preservation</li> <li>▪ W1000SM001- Engineering Standard Hydrostatic and Pneumatic Pressure Testing</li> <li>▪ W1000SM002- Engineering Standard Protective Coating Systems - Amendments to Norsok M – 501</li> <li>▪ W1000SM030- Engineering Standard: Pressure Equipment Bolts, Stud</li> </ul>

Bolts And Nuts

- W1000SM1400448187- Engineering Standard Machinery Protection Systems - Amendments to API 670
- W1000SM5219199- Engineering Standard Lubricants
- W1000SM8351027- Engineering Standard Machine Protection, Condition and Performance Monitoring
- WM0000MG10678350- SAP PMRC Development Guideline
- WM0000MG1400443137- Project Preservation Guideline
- SA8800SL0000001- Specification for Painting and Coating
- SA8800SM0000016- Mechanical Specification for Packaged Units
- SA8830AP0000001- Isolation and Valving Philosophy
- SA8800SL0000002- Specification for Thermal and Acoustic Insulation
- SA8800RM0000004- Material Handling Philosophy
- W1000SS8578210- Engineering Standard Offshore Structures Marine Operations (AMENDMENTS TO DNVGL-ST-N001)
- W1000SM5489552- Engineering Standard Rotating Equipment Capital And Insurance Spares
- W1000SM5489568- Engineering Standard Machinery Installation And Installation Design (AMENDMENTS TO API RP 686)
- W1000SM8338406- Engineering Standard Rotating Equipment Design
- WM0000MG1400295276- Bill of Materials Procedure
- SA1100SS0000003- Weight control specification
- W1000SE005- Engineering Standard Electrical HV And LV Machines Cage Induction Types - Amendments to IEC 60034-1 and IEC 60034-14
- W1000SE020- Engineering Standard Electrical Installation
- W1000SE025- Engineering Standard Electrical Design
- W1000SE028- Engineering Standard Hazardous Area Equipment Verification Dossier
- W1000SE0290001- Engineering Standard Hazardous Area Electrical Equipment Selection Installation Inspection and Maintenance
- W1000SE164592- Engineering Standard Hazardous Area Equipment (EEHA) Competency Requirements
- W1000SE0290002- Inspection of Electrical Equipment in Hazardous Areas, Procedure
- W1000SP017- Engineering Standard Hazardous Area Classification
- W1000UE7105725- I99 Hazardous Area Electrical Equipment Inspection Sheet
- SA8820SE0000005- Electrical Requirements for Packaged Equipment
- SA8820SE0000013- Specification for HV and LV Motors (Addendum to WEL spec W1000SE005)
- W1000SJ010- Engineering Standard Instrument Installation
- SA8850SJ0000009- General Instrument specification for Package Units
- SA8850SJ0000012- Piping & Instrumentation Interface Specification
- SA8850SJ0000011- Electrical & Instrumentation Interface Specification
- A9000PG7788396- FAT Testing Procedure
- W1000SL001- Engineering Standard Materials Selection and Corrosion Control (Amendments To ISO 21457, ISO 13628-1 And ISO 17348)
- W1000SL8107502-Engineering Standard Positive Material Identification
- W1000SM5234504- Engineering Standard Welding Management
- W1000SQ002- Engineering Standard Certification, Traceability and Identification Requirements for Engineering Products

- W1000SQ8474523- Engineering Standard Quality Requirements for Supply of Products and Services
- SA8840SL0000001- Welding Specification – Pressure Piping
- SA8840SL0000002- PMI Specification
- W1000SM5234538- Engineering Standard Pressure Equipment Design Verification, Design Registration and Fabrication Inspection, Onshore Western Australia
- W1000MG130110- Inspection and Function Test Records Procedure
- W1000MF9545209- Engineering Standard Guideline Human Factors Engineering
- W1000MH10219324- Engineering Standard Guideline Environment in Design
- W1000SF5568513- Engineering Standard Safety in Design
- W1000SF5568543- Engineering Standard Human Factors in Design
- W1000SF5593268- Engineering Standard: Noise Management Requirements (Amendments to ISO 15664)
- W1000SH8033902- Environment Engineering Standard
- WM0000MF9917149- Engineering Standard: Human Factors Engineering in Projects Guideline
- SA0005SF0000003- Human Factors Engineering Specification
- W1000SF5669149- Engineering Standard Control and Mitigation Of Fires And Explosions On Offshore Production Installations (Amendments To ISO 13702
- SA0005AF0000009- F&G Detection Philosophy
- SA0005AJ0000001- Functional Safety Management Plan
- SA0005AH0000002- Waste Management strategy
- SA0005AF0000011- ESD Shutdown Philosophy
- SA0005AH0000001- Environment Design Philosophy
- SA0005AF0000007- Health & Safety Philosophy
- W1000SM003- Engineering Standard Pipe Supports Design and Selection
- W1000SM3131997- Engineering Standard: Piping Flange Bolting
- W1000SM3267221- Engineering Standard: Supply of Valves
- W1000SM7129624- Engineering Standard: Piping Details
- W1000SM8253595- Piping Systems General Requirements
- W1000SM9099854- Engineering Standard: Piping Material Specification Offshore
- W1000SX3215141- Engineering Standard Piping Fabrication, Installation, Erection and Testing
- SA8800SM0000017- Specification for Piping Design
- SA8800SM0000024- Specification for Equipment Nozzle Loads
- SA8800SM0000022- Specification for Valves
- SA8800SM0000021- Offshore Piping Material Specification
- SA8800SM0000019- Specification for 3D Modeling
- SA0000SM0000046- Addendum to Engineering Standard Piping Systems General Requirement (W1000SM8253595)
- W1000SM5234522- Engineering Standard Piping Systems Specification Compilation
- W1000SP8739009- Engineering Standard Design Pressure and Temperature For Process Equipment And Piping
- W1000SP8714776- Engineering Standard Piping Process Design Requirements

- W1000SP8738900- Engineering Standard Pressure Relief, Emergency Depressuring, Flare and Vent Systems
- W1000SP8739040- Engineering Standard Process Flow Diagrams and Piping And Instrumentation Diagrams
- W1000SS8108463- Engineering Standard Offshore Structures Weight Control (Amendments to ISO 19901-5)
- SA9000SS0000005- Specification: Structural Design
- SA9000SS0000001- SPECIFICATION: STRUCTURAL REQUIREMENT TO PACKAGED EQUIPMENT
- W1000SS3129863- Woodside Engineering Standard FRP Grating Handrails Ladders Structural Shapes
- SA0005RF0000037- Design Accidental Load Specification
- SA0005SF1000001- NOISE SPECIFICATION FOR SUPPLIERS
- SA5600KM0002.0001- Mechanical Datasheet for Macerator
- SA8830KP0000003- Site & Utility Data Sheet
- SA8820KE0019.0001- Datasheet for LV Motors (Typical)
- SA5600DP0002.0001- P&ID Sewage Maceration
- W1000DP0001.0001- Process Engineering Flow Scheme Piping and Instrumentation Diagram Symbols and Abbreviations
- W1000DP0001.0002- Process Engineering Flow Scheme Piping and Instrumentation Diagram Symbols and Abbreviations
- W1000DP0001.0003- Process Engineering Flow Scheme Piping and Instrumentation Diagram Symbols and Abbreviations
- W1000DP0001.0004- Process Engineering Flow Scheme Piping And Instrumentation Diagram Symbols and Abbreviations
- SA8830DP0027.0001- Process Piping & Instrumentation Diagram Motor Typical
- SA0000PG0000007- Instructions to Seller + Templates (Word/Excel/Data Sheets/Dwgs/Gas/SPPID)
- SA0000AM0000003- Specification for Information Management for SELLERS
- SA0000PG0000006- Project Tag Numbering Specification
- SA0000SR0000001- Specification for Operations Readiness for SELLERS
- WM0000MG9599934- Start-Up Excellence Guideline
- SA0000AR0000006- Start Up Excellence Plan
- W0000MG4785296- Spare Parts Selection Guideline
- A3200MG1400926686- Plug and Play Guideline
- SA0000SQ0000003- Certification Specification for Supply of Products
- W1000SK8627655- Engineering Standard Supplier Documentation Requirements
- W1000SG0105- Engineering Standard Marine Operations Construction Vessels and Transportation - Amendments to DNVGL-ST-N001
- SA0000SQ0000001- Quality Specification for Supply of Products and Services
- SA8830RP0000006- Process Insulation and Heat Tracing Philosophy

<b>Minimum Scope of Work Requirements:</b>	<ol style="list-style-type: none"> <li>1. Engineering Detailed Design and Procurement of Materials and Equipment.</li> <li>2. Fabrication</li> <li>3. Inspection &amp; Testing</li> <li>4. Documentation</li> <li>5. Packing &amp; Preservation Package</li> <li>6. Proven Design</li> <li>7. Offshore application.</li> <li>8. Low/ Unmanned</li> </ol>
<b>Contact:</b>	<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"> <li>▪ <b>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.</b></li> </ul>
<b>URL</b>	For more information about McDermott, please refer to the McDermott website <a href="https://www.mcdermott.com/">https://www.mcdermott.com/</a>
<b>Closing Date:</b>	01-May-2020