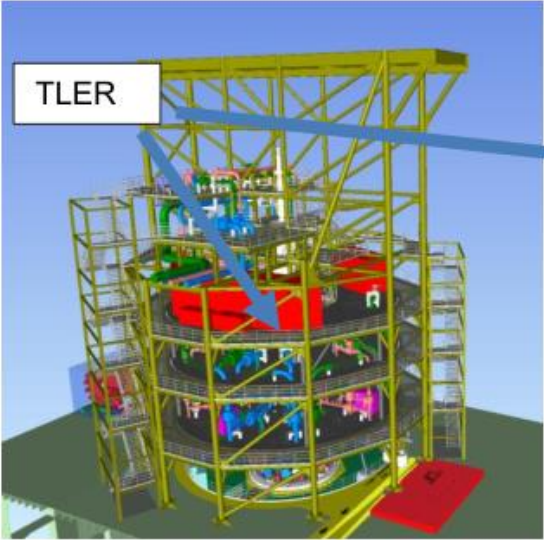
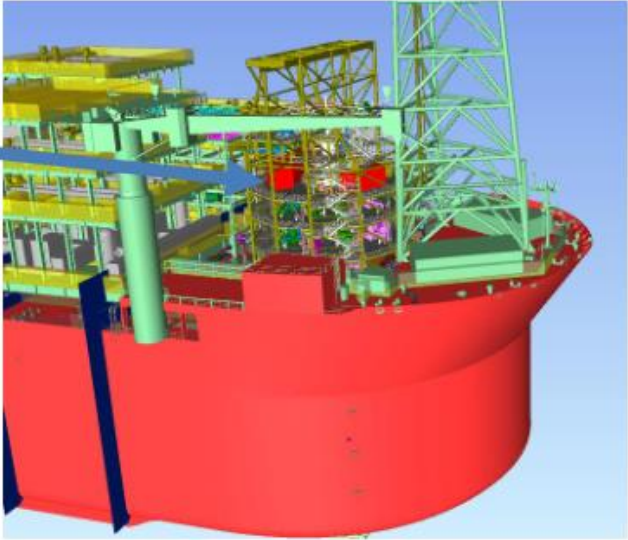
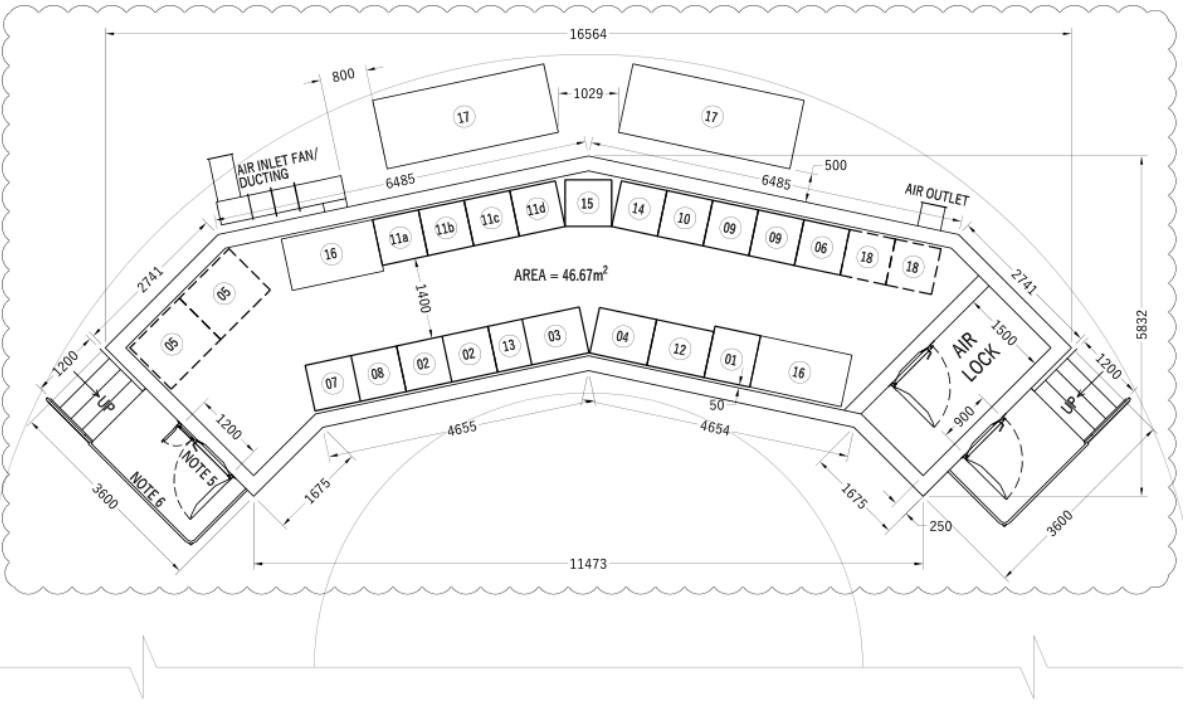


Package Number	EV595
Package Name	Turret Local Equipment Room
Scope of Work (* To be confirmed)	<p>The scope of work consists of design, material procurement, fabrication, inspection, testing, preparation for shipment, supply, and performance of the Turret Local Equipment Room (TLER) for installation and operation on the FPSO.</p> <p>The TLER is located on the geostationary module on the turret system forward on the FPSO, el. 47.100 above vessel base line.</p> <div style="display: flex; justify-content: space-around;">   </div> <div style="text-align: center;">  <p>TLER GEOSTATIONARY SIDE</p> </div>

The TLER shall be a raised floor level, air-conditioned suitable for outdoor, offshore environment and designed to house the equipment identified in below table.

All materials listed as "S" shall be purchased by the SUPPLIER according to COMPANY requirement. Items listed as "C" shall be free issued by the COMPANY. Items listed as "O" shall be free issued by the CLIENT.

Description	Engineering	Purchasing	Installation / Connection	Pre-Commissioning / Commissioning
Structural / Architectural				
• Structural steelwork.	S	S	S	-
• A-60 walls, doors, roof and floor fireproofing.	S	S	S	-
• Data Floor / floating floor 500mm above main structural floor	S	S	S	-
HVAC				
• HVAC system including HVAC control panel, HVAC MCC, ducting, dampers, installation and commissioning.	S	S	S	S
• Drain piping and supports.	S	S	S	S
Piping				
• Paint of piping system as per Specification	S	S	S	S
Electrical / Instrumentation / Telecommunication				
• Internal and external cable trays / ladders with all required hardware for installation / supports (including all cable trays / ladders below the module).	S	S	S	-
• Lighting fixtures (including below module). The SUPPLIER shall coordinate the lighting design with the Lighting Supplier,	S	C	S	C/S
• Small power sockets (Australian type).	S	S	S	S
• LAN / telephone socket outlets.	S	S	S	S
• All cabling installation for lighting, small power, HVAC, Instrumentation, Telecommunication, F&G and COMPANY free issued equipment.	S	S	S	S
• Cable glands, cable cleats, lugs, washers and termination kits.	S	S	S	-
• Equipment labels and cable markers.	S	S	S	-

Description	Engineering	Purchasing	Installation / Connection	Pre-Commissioning / Commissioning
<ul style="list-style-type: none"> Termination of cables (CLIENT free issued equipment). <p>*To be confirmed by Client, may require supervision by Client's equipment supplier.</p>	O	S	S*	S*
<ul style="list-style-type: none"> Termination of cables (COMPANY free issued equipment). 	C	S	S	S
<ul style="list-style-type: none"> Termination of cables (SUPPLIER equipment). 	S	S	S	S
<ul style="list-style-type: none"> MCTs + cable and dummy inserts. 	S	S	S	-
<ul style="list-style-type: none"> Junction boxes for Power, Instrumentation, Control Systems and Telecommunications (including 6 nos. of Ex interface junction boxes for COMPANY use). 	S	S	S	S
<ul style="list-style-type: none"> Fire detection system (VESDA). 	C/S	C	S	C
<ul style="list-style-type: none"> Electrical Insulating Matting. 	S	S	S	-
<ul style="list-style-type: none"> Earthing and bonding installation / materials. 	S	S	S	S
<ul style="list-style-type: none"> Free-Issued Electrical equipment: [HOLD 2] SPCU Cabinet 1 - 4 HPU Controller Cabinet HPU VSD UPS DB-A 230V UPS DB-B 230V 	C	C	S	C
<ul style="list-style-type: none"> Electrical equipment: DX cooling unit starter and control panel Ventilation fan starter and control panel 	S	S	S	S
<ul style="list-style-type: none"> Free-Issued Instrument equipment: [HOLD 2] Riser DTS Monitoring System Riser AVGM System FO Patch Panel / Fusion Splice Box Shore Fibre OLTE (FUTURE) PSD Remote I/O PCS Remote I/O ESD Remote I/O F&G Remote I/O F&G detectors 	C	C	S	C
<ul style="list-style-type: none"> Free-issued Telecommunication equipment: [HOLD 2] Ex PAGA Speakers Ex Telephone (wall mounted) Ex UHF Antenna 	C	C	S	C

Supplier shall deliver the HVAC system. Air intake location will be defined by BWO to ensure air is drawn from safe area.

F&G equipment, lighting, safety equipment and telecom equipment will be supplied by Company but installed by SUPPLIER.

To assist operation and maintenance, a common approach to equipment selection shall be established.

The SUPPLIER shall install and connect all equipment within the TLER, including all equipment furnished by SUPPLIER, COMPANY and CLIENT.

The SUPPLIER will supply a complete TLER for landing on supports preinstalled on the geostationary module platform

The Contractor's Work includes completion of the TLER and all the associated services and supplies including, but not limited to:

- a) Project Management, Engineering Management, Project Control, Document Control, Quality Assurance and any other services required for the quality and timely execution of the Work. Including certification and compliance activities as required by ICP and Class
- b) Engineering services needed to undertake agreed scope of work such as GA drawings, assembly drawings, calculations, specifications, design basis, design briefs, analysis, shop drawings, temporary support drawings etc.
- c) Procurement, Prefabrication, Assembly & testing of TLER and TLER equipment forming part of the agreed scope of work
- f) Storage of all procured items, Contractors or Company supplied, until required. Provide suitable secure and climate-controlled warehousing and storage facilities, warehouse staff, and handling in Contractors yard for receipt, storage and retrieval of all supplied Items.
- g) Provide departmentally independent quality control inspectors to verify the quality of all materials, and prefabrication/fabrication work.
- h) Mechanical completion and pre-commissioning of all items and equipment part of the scope of work. Contractor to provide all services and consumables for the work.
- i) Preservation and preparation for loadout of agreed scope of work
- j) Provide all final documentation, design documentation (MRB), vendor documentation, construction and completions dossiers, operating & maintenance manuals

The Contractor's Scope of Work further includes the provision of:

- a) Office, assembly and construction facilities, management, labor, plant, tools, equipment and consumable supplies.
- b) Services not directly described in contract or this document, but which form a natural part of the agreed scope of work. I.e 3rd party coordination, participation in meeting with Client, etc.

The Work shall be carried out in accordance with DNV Class requirements, ICP-Verification Scheme and Project Standards.

It shall be understood that anything not mentioned in the Specifications but required by

Classification Society (CS) or Regulatory Bodies listed herein shall be provided by Contractor.

All materials shall be new and unused.

Estimated contract award: Q3 2021

Estimated delivery: Q4 2022 FCA factory

Project Registration

Santos is committed to ensuring Australian Industry the opportunity to participate in the Barossa Project. Expressions of Interest are invited from contractors and suppliers with the relevant capability and capacity to undertake the scope of work.

This is a request for specific expressions of interest. Contractors and suppliers will be considered for prequalification and tender if suitably qualified against this package.

Note that an important part of the project registration process is to register an Expression of Interest at the correct Scope level.

Scope level definition:

Full scope: Able to produce / supply all the package.

Partial scope: Able to produce / supply one or more of the sub-packages.

All registrations are to be completed via ICN Gateway BarossaOffshore.icn.org.au. Please contact the ICNNT if registration assistance is required. Contact details: (08) 8922 9422 [or resources@icnnt.org.au](mailto:resources@icnnt.org.au).

Project Website: Santos Australia