

INPEX

PHASE 2B BROWNFIELDS: BOOSTER COMPRESSOR MODULE GUIDES

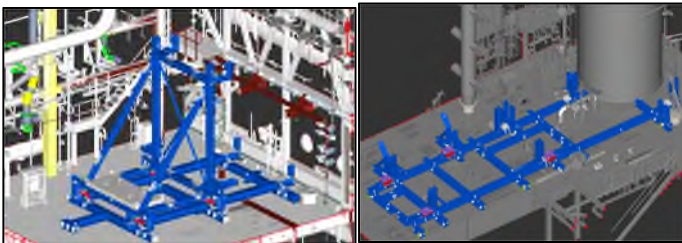
Guides Transportation and Installation Engineering

ICON Engineering was contracted by INPEX for the detailed engineering of the Booster Compressor Module (BCM) Guides Transportation and Installation onto the Central Processing Facility (CPF) platform for the Phase 2B portion of the Ichthys Gas Field Development Project. The six Guides, weighing between 18 tonnes and 50 tonnes – total aggregate mass of 220 tonnes, were installed to assist with locating the BCM into its final position and protection of the existing process facilities on the CPF from installation impact loads. The BCM is due for Installation on the CPF in 2025.

A key objective of the project was to install the Guides safely in position on the CPF while the facility is fully operational. As Installation took place during cyclone season, the guides were engineered to ensure they were safely lashed in the event of a cyclone.

The scope involved:

- Design, engineering and fabrication of various onboarding and installation aids such as chemical injection skid crash protectors and a hydraulic leveling system
- Two of the guides needed to be positioned inside the crane’s minimum crane radius. This required the design and fabrication of skidding systems with rollers, tirsors and hydraulic jacks.



Skidding Systems for the Install of SP3 (left) and SP1 (right)

- Design and engineering for the marine transportation of six BCM Guides from Batam, Indonesia to the Ichthys Field in the Browse Basin offshore using a Platform Supply Vessel (PSV).



Guides Load out on Platform Supply Vessel.



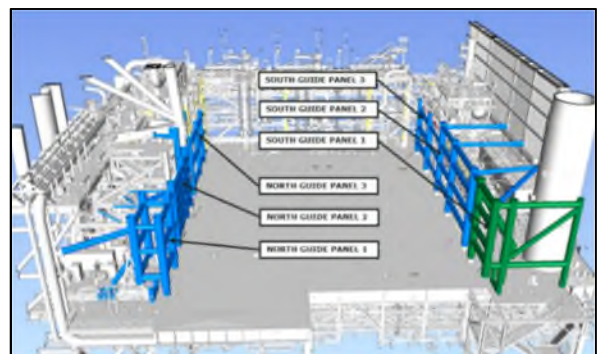
Guides Enroute to Central Processing Facility.

- Guides lift rigging design, engineering and lift plans development for the lifting of the Guides from the PSV to the CPF main deck.



South Panel 1 Land out onto Skidding System.

- The design and engineering of Cyclone Lashing to secure the Guides in pre-installation position over the CPF main deck for cyclone readiness.
- Overall Guides installation methodology and procedure development.
- Offshore construction support by ICON personnel during guide onboarding and critical skidding operations.



Guides in final installed location.