

WOODSIDE ENERGY LIMITED GWA EAST CRANE REPLACEMENT



The Goodwyn-A (GWA) facility is an integrated production, utilities and accommodation platform situated 138km NW of Dampier WA. GWA began its lifecycle in 1991 and the facility withstands the marine environment with tropical strength Cyclones occurring annually. As part of facility maintenance the GWA East Crane is due to be replaced, Woodside have procured a second-hand Favelle Favco M1060D which is to be restored and used as a roving construction crane to remove the aged East Crane.

Client: Woodside Energy Limited

Year: 2018 - Present

Product/Service: Integrated services

Scope of Work

Inspecting, upgrade and refurbishment of a second-hand crane procured by Woodside to be used as a temporary construction crane by the Company. The Favelle crane is to be inspected and overhauled at EnerMech's Henderson facility and stored in the laydown area during the process.

Design, engineering and supply of all rigging, transportation and lifting frames was also required to ship the crane to Henderson. EnerMech performed a lifetime extension of the crane, upgrade of the hydraulics and performed all required FAT testing, and development of Inspection and Test Plans.

Project Delivery

The construction crane is currently in storage after a successful overhaul and is planned to be mobilised to site in early 2021. EnerMech will mobilise the crane and perform the necessary installation, commissioning and load testing of the construction crane on the Woodside GWA facility.

Having intricate knowledge of the construction crane from previous offshore mobilisations (for previous owner) has enabled EnerMech to prepare for mobilisation and accurately plan for interfacing with the platform to perform the future replacement of the GWA East Crane.

Key Benefits

EnerMech's multi use facility in Henderson was the ideal place for the overhaul and storage of the crane whilst dismantled, the large laydown area provided a cost effective measure to the Client as the overhaul was completely conducted in-house. The multidisciplinary team meant that NDT Technicians, Engineers, Crane, Hydraulics and Hose Specialists were readily available to support the completion of the project.

In delivering a fully functional crane EnerMech have gained significant insight into the construction crane which will ensure a smooth mobilisation and replacement of the aged Goodwyn East Crane.