

Case Study

Installation of Helicoid Epoxy Sleeve[®]

Type of Work

Riser Repair Services

Location

Gulf of America

Client

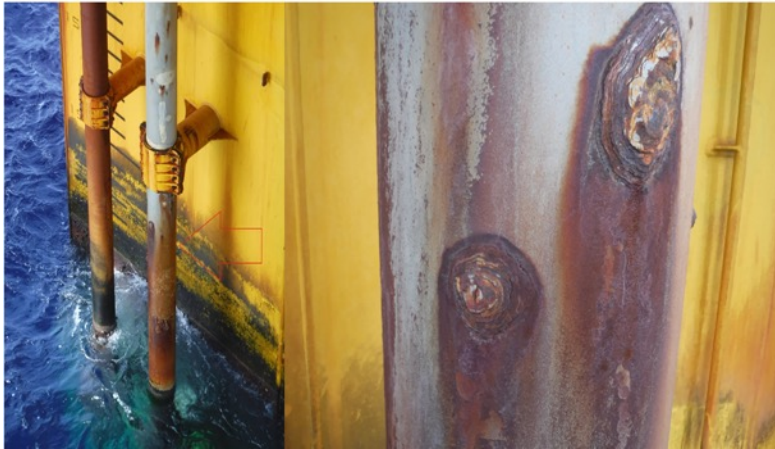
Woodside Energy

Platform

Shenzi TLP

Project Completed

Nov 2025



RISER REPAIR

Background:

In Aug 2025, Merit Technologies Sdn Bhd with Aslan Energy to undertake one (1) numbers of 16-Inch Riser Oil Line repair for strengthening and protection located at off the shore of Luisiana in the Gulf of America with total 5m of repair length. The risers is unprotected which cause several anomalies that lead to wall thinning at the splash zone area.

Scope:

- To perform Surface Preparation via High Pressure Water Jetting removing the existing coating and marine growth.
- To perform winding of HDPE sleeve and Carbon Fibre.
- To perform mixing and injection of epoxy grout for the Helicoid sleeve.

Client Benefit:

- MTSB successfully executed the riser repair activity using Helicoid Epoxy Sleeve system at splash zone using full rope access method with a spider basket for assistance.

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RISER REPAIR



Winding Cage Installation



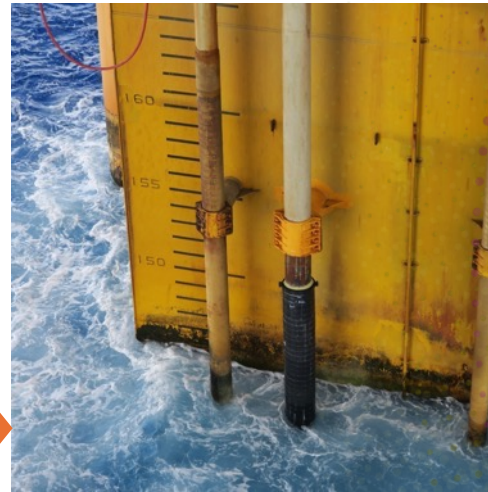
Surface Preparation



Blasting Frame Installation



Winding HDPE



Completed Installation

