

Case Study

Installation of Helicoid Epoxy Sleeve®

Type of Work

Riser Repair Services

Location

Brunei Waters

Client

Brunei Shell

Petroleum

Platform

AMPP-05

Project Completed

Oct 2025



RISER REPAIR

In Aug 2025, Merit Technologies Sdn Bhd completed one (1) 12-Inch Riser Gas Line repair for strengthening and protection located offshore of the Brunei coastline with a total of 5m of repair length. The riser's Armawrap coating was damaged, which cause several anomalies that lead to corrosion at the splash zone area.

Scope:

- To carry out Surface Preparation via High Pressure Water Jetting to remove the existing coating and marine growth.
- To perform winding installation of HDPE sleeve and Carbon Fibre strip.
- To conduct mixing and injection of epoxy grout for the Helicoid sleeve.

Client Benefit:

- MTSB delivered a reliable splash zone riser repair using the Helicoid Epoxy Sleeve System, achieving significant cost savings and improved efficiency over conventional repair techniques.

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RISER REPAIR



Surface Preparation



Winding Cage Installation



Pipe Bracket Installation



Winding HDPE



Completed Installation

