

Case Study

Installation of Helicoid WRES Epoxy Sleeve[®]

Type of Work

Wellhead Repair
Services

Location

North Sabah

Client

Hibiscus Malaysia

Platform

BTJT-A

Project Completed

May 2025



Scope:

- To Perform Existing Conductor Cement Removal.
- To Perform Surface Preparation via Power Tooling.
- To Do Leak Containment and Tubing Installation.
- To Do Extension of Existing Earthing Cable.
- To Perform Winding of HDPE Sleeve and Carbon Fibre.
- To Perform Mixing and Injection of Epoxy Grout for the Helicoid Sleeve.

Client Benefit:

- The Helicoid Epoxy Sleeve system reinforced the strength and leak containment of the defected wellhead. This repair extended the operational life of the wellhead without requiring full casing replacement.

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WELLHEAD REPAIR

Background:

In May 2025, Merit Technologies Sdn Bhd to undertake two (2) numbers of Wellhead Surface Casing Leak Repair located offshore in North Sabah waters to provide leak containment and strengthening onto wellhead casing. The wellhead having severe cases of corrosion and leak issue on surface casing with anomalies leading to the damaged of wellhead casing.

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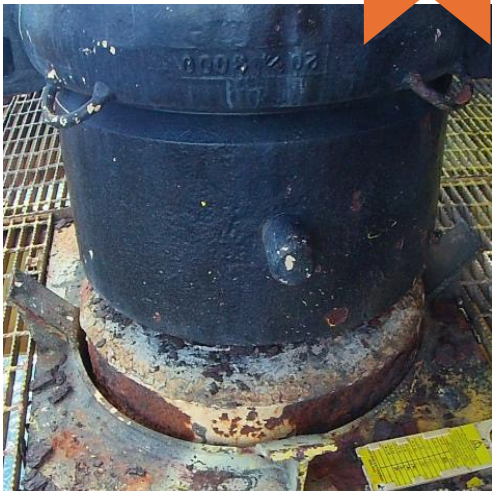
WELLHEAD REPAIR



Existing Cement Removal



Surface Preparation



Existing Condition



Leak Containment & Tubing
Installation



Completed Installation

