

Technowrap™ Engineered Composite Repairs - 2K HA 48" Main Oil Export Line

Client
Major African Operator
Location
Nigeria



Scope

A 48" Main Oil Export line in Africa had sustained patches of external corrosion over a number of areas on the line. The client required an Engineered Composite repair to reinstate the integrity of the line.

The scope of work was to provide an engineered design, with 20 year repair lifetime, personnel & Technowrap™ 2K HA materials to affect repair. Design pressure of the line was 19.6 bar g, with design temperature of 49°C

Solution

The Engineered Design for the Technowrap™ 2K HA repair was performed according to ISO 24817.

Surface preparation to Sa2.5 was carried out by the client to ensure best bond of repair to substrate. The Technowrap™ repair was then installed according to ICR Installation Guidelines.

Existing concrete pipe supports were destroyed and new concrete pipe supports cast and constructed to accommodate repair sites.

The client was also required to excavate trenches to allow the Technowrap personnel full access to the pipeline & allow the repair to be applied around the full circumference of the pipeline.

Results & Benefits

- Integrity of line was reinstated by repair
- 20 year design life