

# POWERSLEEVE DRAIN SPOOL ELBOW

## Workscope

Stork was contracted to repair the perforation on a 4" closed drain spool elbow located on Nexen's Scott installation.

The surface of the 4" closed drain spool elbow was hand prepared by Stork's multi-skilled technicians. All voids were then filled with epoxy putty to smooth the surface area.

Stork's innovative pipe repair solution; PowerSleeve was then utilised.

PowerSleeve's engineered composite reinforcement was selected because of its 100% solids epoxy impermeable barrier. This combined with the strength of its custom E-glass and Kevlar® fabric made it the best choice to encapsulate and reinforce the entire spool elbow.

## Results & Benefits

All repair calculations were conducted in-house, providing Nexen with a fully customised rapid delivery.

Stork's technicians were able to completely cover affected area; strengthening structural integrity.

All work was completed and carried out by Stork's multi-skilled, on-board technicians.

The overall cost was far less than compared to conventional repair methods.

*"Further to Stork assisting Nexen with an Engineered Wrap solution to a 4" pipe-spool defect on the Scott platform in the closed drains system, I would like to pass on our thanks for the manner in which this was organised. To achieve our required mobilisation and the fact that the Core/LTADHOC painters had the necessary training to allow this to be applied without mobilising any further personnel was well received due to the current POB at this time of year".*

### Alan Shand

Asset Integrity & Platform Support Services Engineer  
Nexen



## Project information:

- **When:**  
June 2013
  - **Location:**  
North Sea, Scott Platform
  - **Insulation conditions:**  
5 C ambient temperatures
  - **Installation type/products:**  
Field wetted Powersleeve composite system
  - **Materials:**  
5/20UW Epoxy Putty Stick, Power Sleeve® W-11 ° hybrid fabric with Standard Resin, Bio-Dur 563® Epoxy basecoat/ primer and final topcoat
  - **Safety:**  
Project delivered safely with no lost time incidents
- PowerSleeve is a non-toxic alternative which eliminated the need for additional PPE requirements
- **Workscope completion:**  
The workscope was completed on time and within budget