

# COMPOSITE REPAIR WATER LINE REPAIR

## Workscope

Stork was contracted for a bulkhead flange repair within a vessel. An extensive crack in the 6" steel flange connected to the GRE pipe had been identified. Stork's composite repair team were asked to review the operating parameters of the pipework and recommend a suitable, cost effective repair to contain the leak.

## Solution

Stork designed a repair using its Composite Repair System, which combines Epoxy Resin primer, Polyform profiling material and W11 PowerSleeve. The repair was developed to encompass the flange from the bulkhead sub to the GRE pipework.

The project took two days to complete and was undertaken by two of Stork's multi-skilled personnel.

## Results

Stork provided a one-stop service, carrying out all calculations and design in-house in line with ISO24817 and PCC2.

The project proved a cost-effective and innovative solution for the client, as the only alternative was to replace the line. This was not a feasible option, as both the cost and time involved were prohibitive.

The repair was completed on time, on budget and without incident and Stork's team were commended by the client for the smooth delivery of the project .

Following the repair, the line was brought back into service for continuous operation.

## Project Information:

- **When:**  
October 2014
- **Location:**  
North Sea
- **Workscope:**  
Involved vessel entry to repair a potable water line
- **Installation:**  
Field-wetted PowerSleeve composite repair system
- **Materials:**  
Epoxy resin primer, Polyform profiling material and W11 PowerSleeve
- **Safety:**  
Project delivered without an LTI

