Composite Repair Specialist

DEFECT TYPE
Pinhole – 6” subsea gas pipeline – 30m depth

PIPELINE DETAILS
Bend – pressure 900 psi – temperature 30°C

LOCATION
INDONESIA (Client Platform)

3X SOLUTION
STOPKit® Offshore (STOF006)

OVERVIEW

The objective of the EPRS (Emergency Pipe Repair Solution), performed early 2017 by the client, was to stop an on-line gas leakage located at one of the bend of 6” subsea line.

As per the technical training received by the client a few month ago from 3X ENGINEERING (3X) Specialist, and thanks to their safety stock located on-board, they were able to successfully install our STOPKit® Offshore by themselves.

This emergency repair was conducted in-house within the hour, without any subcontractors and heavy subsea logistics.

SCOPE OF WORK

After inspection, it was decided to stop the leakage of the 6” subsea gas line. As per their EPRS procedures, the client picked one of their several STOPKit® Offshore available on the platform (no procurement delay - immediate solution available).

The repair was performed following 4 main stages:

- Position the STOPKit® Offshore next to the leak using our STOPKit® Positioner device and tight softly to let a free sliding capacity.
- Slide the STOPKit® Offshore over the leak. Rubber patch must be perfectly centred on the leak thanks to our STOPKit® Positioner device.
- Tight alternatively the right screw and the left screw to keep the two bars parallel. Repeat until torque reaches 40 Nm for both screws.
- Screw anti-vibration nuts.

RESULTS

This job has been successfully managed by the client itself within the hour, following 3X installation procedures.

The leak has been rapidly stopped despite the bend as challenging location. This proves the capabilities of our STOPKit® to efficiently control on-line leakage. This solution is only temporary. It allows you to fix the emergency and schedule peacefully for permanent repairs in the upcoming weeks or months.

For more information about our technology and products, visit our website [www.3xengineering.com](http://www.3xengineering.com) or send us an e-mail at [info@3xeng.com](mailto:info@3xeng.com)