



DEFECT TYPE
PIPELINE DETAILS
LOCATION
3X SOLUTION

Pinhole – 6” subsea gas pipeline – 30m depth
Bend – pressure 900 psi – temperature 30°C
INDONESIA (Client Platform)
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:

- 1 Position the **STOPKIT® Offshore** next to the leak using our **STOPKIT®** Positioner device and tight softly to let a free sliding capacity.
- 2 Slide the **STOPKIT® Offshore** over the leak. Rubber patch must be perfectly centred on the leak thanks to our **STOPKIT®** Positioner device.
- 3 Tight alternatively the right screw and the left screw to keep the two bars parallel. Repeat until torque reaches 40 Nm for both screws.
- 4 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.



Figure 1: Bend with the leak



Figure 2: **STOPKIT® Offshore** Packaging

Figure 3: As per 3X technical training, client's diver is certified to install the **STOPKIT®** by himself



Figures 4 & 5: Once well positioned over the leak, both screws of **STOPKIT®** must be tightened at 40 Nm

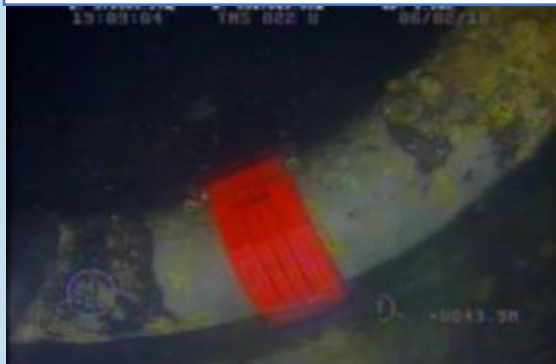


Figure 6: **STOPKIT®** successfully installed on the bend
No more gas bubbles, no more leak