

# SYLWRAP Case Study



## Libya Water Supply Pipes Live Leak Repair

Above and below ground water pipes servicing a town in Libya undergo live leak repair to seal cracks through which high levels of water were escaping



Significant levels of water were escaping the above-ground section of pipe at 5 bar pressure from a longitudinal split

### Defect

The 100mm pipes were part of the water supply network to the town of Brega, operating at 5 bar pressure. An underground section was leaking, noticed through visible signs in earth surrounding the pipe.

When a longitudinal split developed in an above-ground pipe and water began escaping at 5 bar pressure, it was decided to fix both leaks.



The above-ground section having been successfully repaired using Wrap & Seal and then overwrapped with SylWrap HD

### Solution

The importance of the network meant pressure could not be isolated, and so live leak repairs were carried out to the two sections.

For the above-ground pipe, **Wrap & Seal Pipe Burst Tape** was wrapped along the length of the split. Multiple Tapes were applied over each other until no more water was leaking.

This indicated the repair had reached the required pressure resistance. A **SylWrap HD Pipe Repair Bandage** was then applied to reinforce and protect the initial sealant.



A trench was dug with enough clearance to reach the below-ground section of pipe, which was then repaired using Wrap & Seal and SylWrap HD

A trench was dug to reach the below-ground section with enough clearance to wrap both Wrap & Seal and SylWrap HD around the pipe. The small crack was easily arrested.

### Result

Each repair took under 30 minutes to complete with no disruption to homes and businesses in Brega.

In a dry country like Libya where every drop of water is precious, the ease and speed with which SylWrap repairs pipes can make a huge difference.

