

**Case study: Cathodic Protection derivation to foreign structures. Limitations in ON/OFF data interpretation.**

When evidence exists of cathodic protection derivation to a foreign structure the approach for monitoring the situation should take into account monitoring ON/OFF CP potentials and performing DCVG and/or other monitoring techniques to try to find the derivation location.

It is presented a case study where the application of different monitoring techniques allows finding the problem encountered in a 60 km gas pipeline.

As a lesson learned CP engineers must take into account that frequently real problems should be much more tricky than expected. Monolithic joints play an important role in assuring the CP effectiveness.