



Case Study

Rotork assist Belgian gas transmission operator with reduction of greenhouse gas emissions

Industry: Oil & Gas - Midstream Transportation

Client: Fluxys Belgium

Product: IQ

Summary

Part-turn intelligent electric actuators from Rotork were installed at gas pressure reducing stations in Belgium to provide reliable flow control without the release of undesirable greenhouse gas emissions.

Overview

Fluxys Belgium is an energy infrastructure group, specialising in gas transmission and storage. They operate 4,000 kilometres of pipeline, a liquefied natural gas terminal and an underground storage facility in Belgium.

Fluxys operate unmanned gas pressure reducing stations across Belgium that reduce the pressure of natural gas so that it can flow through a network operated at a lower pressure or be transferred to an end consumer's facilities.

Challenge

Existing actuators on these sites used gas in the pipelines as the control medium, resulting in undesirable venting of greenhouse gas emissions into the atmosphere. A control solution was required that would not release emissions while operating.

Solution

IQT actuators were chosen to replace the existing pneumatic actuators. Rotork Site Services retrofitted IQTs onto existing valves on the multiple sites. Actuators from the IQ3 range are electric and do not release emissions.



Customer Benefits

The use of electric actuators has negated the previous emissions and assists in reducing Fluxys Belgium's environmental footprint.

The boilers at the heart of the process will now provide a more precise regulation duty, keeping the downstream temperature within a specified range.

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Rotork plc
Brassmill Lane, Bath, UK
tel +44 (0)1225 733200
email mail@rotork.com

PUB000-311-00 Issue 05/22