

Case Study

Rotork provides all-electric flow control solution at Johan Sverdrup, ground-breaking Norway oil field with reduced emissions

Industry: Upstream - Oil Fields

Client: Equinor

Product: IQ

Summary

Rotork provided intelligent electric actuators to the Johan Sverdrup oil field in the North Sea, aiding in the electrification of the oil platform project that can reduce emissions.

Overview

The Johan Sverdrup oil field in the North Sea is operated by energy company Equinor. It is one of the largest offshore development projects in the Norwegian continental shelf and represents Equinor's commitment to the electrification of oil platforms. This electrification project is to reduce the levels of carbon dioxide created during the oil production process.

Challenge

Equinor required flow control solutions for the electrification of Johan Sverdrup. Electric actuators were a necessary consideration to achieve this.

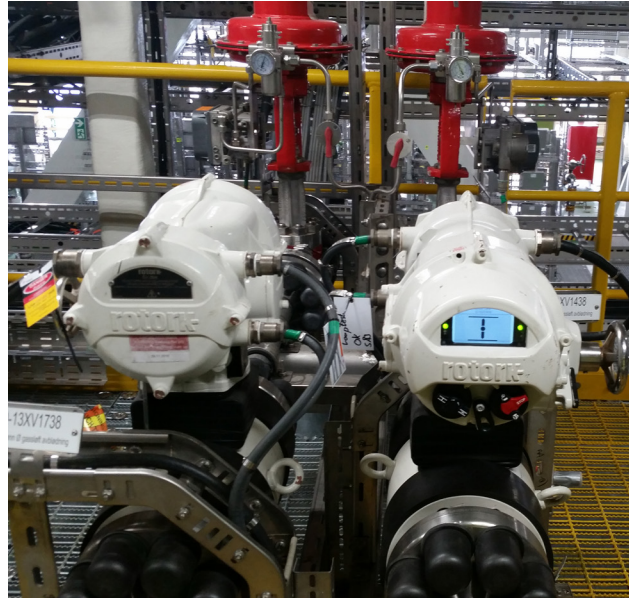
Solution

Equinor ordered over 1,000 of Rotork's IQ multi and part-turn intelligent electric actuators. They provide an extensive range of flow control services across the drilling, riser, process and living quarters. They control everything from the supply of water to engineers in their living quarters on the platform, to the precise control of flow needed for the extraction of oil.



Customer Benefits

The choice of intelligent electric actuators assisted Equinor in the goal of an all-electric platform that produces oil in a way that produces a reduced level of emissions; IQ actuators have no need for compressors, no leakage, low inactive energy use and no need for gas venting.



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