

CVA selected for critical function at Australian coal seam gas application

Industry: Mining
Client: Salcan Process Technology
Product: CVA

Summary

Rotork CVA fail-safe electric process valve actuators were selected for a critical flow control application in the Australian coal mining industry.

Overview

Salcan Process Technology manufactures wellhead skids designed for coal mine degassing duties; methane and other flammable gases are extracted from underground coal seams before mining operations begin.

Challenge

The installation of actuated control valves was required to control the flow of gas while maintaining back pressure in the coal seam. In operation, back pressure on the coal seam is reduced in a controlled manner to protect the seam, thus maximising gas extraction. For a coal mine this is critical for reducing the risk of an underground explosion; for a gas producer it is critical for maximising the yield.

Solution

Rotork CVA actuators were installed for gas flow control, reducing pressure and allowing for the maximum amount of gas extraction.

The successful use of Rotork CVA actuators for similar duties at thousands of remote sites on the Queensland LNG project were an important consideration for the customer in awarding Rotork the project.



Customer Benefits

CVAs play a key role in ensuring safe operation of coal mining, operating on skids that remove flammable gases.

The fail-safe electric positioner package eliminated the need for operators to enter the hazardous area surrounding the valve for set-up and diagnostic functions.

CVA actuators are explosionproof and deliver continuous, repeatable modulating control with a programmable fail-to-position option.



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