



Case Study

Precise control at Spanish chemical processing plant

Industry: Petrochemical
Client: CEPSA
Product: IQ3, Rotork *Master Station*, Pakscan™

Summary

Intelligent IQ3 actuators and Rotork *Master Station* control centres were installed on a chemical processing plant in Cádiz, Spain.

Overview

The Quimica Puente Mayorga plant, owned by CEPSA, is one of the world's biggest producers of linear alkyl benzene, as well as paraffins, sulphonic acid and heavy alkylate.

Challenge

Actuators were required to operate gate valves to control the flow of unprocessed fluids, as well as providing Emergency Shutdown (ESD) functionality.

Solution

Over 150 actuators were installed on a double loop system with a Rotork *Master Station* on a Pakscan control network. A bespoke cabinet was designed and installed with the Rotork *Master Station* to provide an additional access point to give site operators the ability to open or close valves in the event of an emergency.



Customer Benefits

The customer reduced their wiring costs by using a single twisted pair, rather than having to depend upon an expensive multicore cable.

This was a cost-efficient solution due to the short commissioning time of the product and the increased plant productivity that Pakscan can provide.

With one cabinet acting as an access point to over 240 field devices within a 20 km loop, spacing issues (which control cabinets might otherwise create) were prevented.

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