

case study



Limitless Potential.

Limit switch for hazardous locations provides regulatory compliance, reliability, and high performance at a competitive price.

Honeywell



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When a global power production service company set out to refurbish an Algerian power

plant, it went to great lengths when it came to making upgrades — including the limit switches on the control valves for the plant's oil burner.

The oil burner's control valve used the Honeywell MICRO SWITCH™ 902EX switch, installed nearly 30 years ago during the plant's original construction. The power production service company sought a price-competitive limit switch to replace the older product, which Honeywell had since discontinued. The switch also needed to comply with ATEX directives, guidelines outlining what equipment organizations within the European Union can use in potentially explosive areas.

"Industrial power plants must adhere to strict standards in every facet of operation, from machinery processes to the design of individual applications," company personnel said. "The standards had changed since the plant's construction, so we needed to update all equipment in a cost-efficient and effective way."

Fortunately, the power production service company was able to meet its new requirements with the MICRO SWITCH™ 1EX1 hazardous location switches, a line of explosion-proof limit switches often ideal for use in control valves like those in the oil burner. The ATEX-approved switches, mounted in an aluminum enclosure, feature compact, rugged housing and 20 A capacity, as well as non-sparking actuators. The switches offered not only the same reliability as the burner's original limit switch, but also met the additional specifications to meet today's demanding requirements.

The power production service company initially planned to base its switch selection on only price and ATEX compliance, but selected the Honeywell switch after learning of additional benefits, including Honeywell's reputation for producing reliable switches, providing strong product support, and offering an easy replacement process. Specifically, the similarity between the old and new Honeywell switches meant valuable time and cost savings for the company in terms of switch replacement time and burner optimization after installation.

"The 1EX1 switch offered more benefits than we initially considered, showing us that choosing a switch for a highly-specific environment like a power plant is about more than just price," company personnel said. "We sought to upgrade the power plant with industry-leading technology that matches the needs of today, and the Honeywell switch is a perfect fit."

For more information on the MICRO SWITCH™ 1 EX1 hazardous location switch, please contact Honeywell Sensing and Control at info.sc@honeywell.com.

Find out more

To learn more about Honeywell's sensing and control products, call **+1-815-235-6847**, visit **www.honeywell.com/sensing** or email inquiries to **info.sc@honeywell.com**

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002316-1-EN IL50 GLO
December 2008
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