

# A new actuator for ESD applications



**Just in time for this year's 85<sup>th</sup> anniversary of their global and well-known actuator brand, Bettis, Emerson introduces a new electro-hydraulic operator for remote valve emergency shutdown applications. The Bettis EHO actuator provides users with a complete, proven solution for critical situations where fail-safe response in remote areas must be instantaneous and dependable.**

Celebrating Innovation – following the idea of their cover story earlier this year, Emerson Process Management has pushed ahead with innovating their range of products. During the Emerson Global Users Exchange Forum 2014 in Orlando, USA, at the beginning of last month, the company added a robust electro-hydraulic operator to its broad valve automation capabilities with the release of the Bettis EHO actuator. The actuator combines proven technologies from Emerson's Valve Automation offering of actuation and controls in order to handle various critical shutdown situations where dependability is crucial.

## Some technical details

"Combining the strengths of our company, the EHO actuator capitalizes on proven EIM electronics, Bettis mechanics and Shafer hydraulic technologies," explains David Plum, President Valve Automation. "This gives it high-torque capability in a field-proven, reliable and modular design, resulting in dependable performance for safety and environmental protection applications."

The EHO is available in either spring-return or double-acting configurations. Torque outputs can handle valve sizes from 6" to 60". It operates on utility electrical power or optional solar power for remote areas where electric power is not available or not reliable. The actuator is operable in temperatures ranging from -40°F to +140°F (-40°C to +60°C). Its fail safe capability is reliable with fast close or open stroke times, suitable for emergency shutdown in oil or gas service.

## Designed for the field

The actuator is designed for a diverse range of applications, from topsides valve automation on offshore platforms to remote pipelines where operational upsets can cause safety and environmental hazards, as well as costly production losses. To help operators counteract these challenges, the EHO provides a compact design with actuator and control components from Emerson that have been field proven for decades in critical service and features that combine more than 200 years of

experience in valve actuation, electric motor, and hydraulic control technology.

"As a business unit within Emerson's Final Control & Regulate, we market to all of the major global valve makers. The biggest change we have seen in the past ten years is this – our clients no longer inquire to us for actuators as a valve component, but rather seek complete Valve Operating System™ that help them improve their business results. This only happens because our customers know from experience that they can trust any product that carries the Emerson name," concludes Mr. Plum.

## New actuator on display

Do you want to see the new Bettis EHO and learn more about it? The actuator will be showcased at the Valve World Conference & Expo 2014. You can find it at the Emerson Process Management stand in Expo Hall 3, stand number: E19.