Emerson Mechanical Solutions

Comprehensive Portfolio of Engineered Mechanical Solutions for the Power Industry

Turbines and other mechanical equipment often utilize older components that have deteriorating control accuracy and increasing service costs. Emerson Automation Solutions' Power & Water organization offers mechanical retrofits that improve the operation and performance of nuclear, fossil, combined cycle, captive industrial, renewable or hydro power generating plants.



Experienced at delivering a full range of reliable, field-proven solutions customized for single system conversions, turnkey (EPC) retrofits and expanded scope services.



Dependable advanced protection solutions for turbine shutdown during an overspeed event can improve safety and reduce costly equipment damage while meeting insurance requirements.



A focused, dedicated team that provides comprehensive project management and implementation with full-scope mechanical and electrical installation and commissioning services.



Mechanical solutions designed to integrate directly with Ovation[™] system logic for tighter, more accurate control and increased availability.



All solutions are tailored to meet customer-specific scope requirements, schedule restrictions and budget constraints.

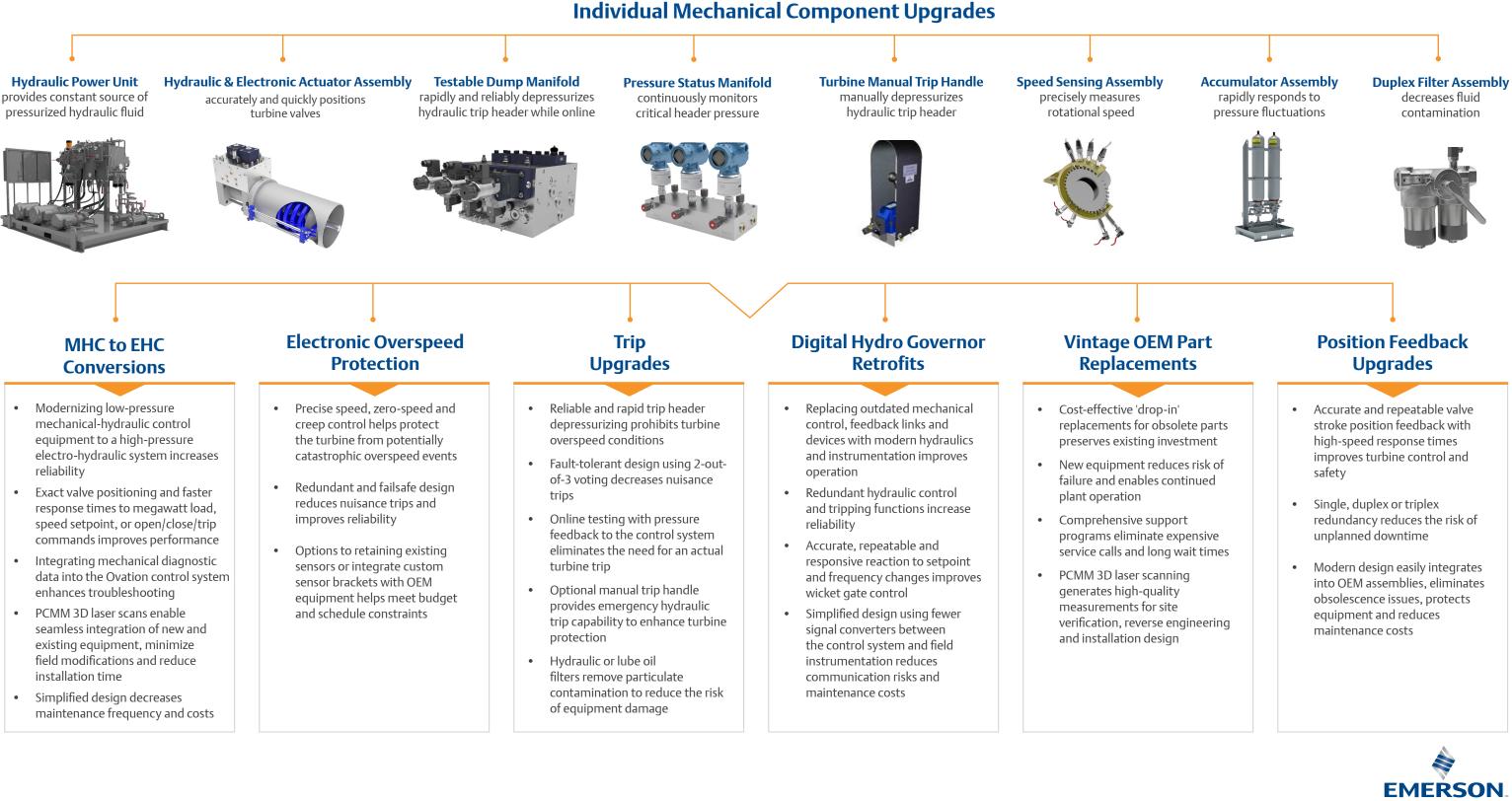


Global industry expertise and comprehensive lifecycle services from a single, trusted vendor with a history of long-term and dependable customer support.



Engineered Mechanical Retrofits

Designed to enhance long-term reliability and performance, Emerson's mechanical solutions help prevent nuisance trips, limit fluid contamination issues and reduce unplanned outages. Our equipment is engineered using industry-leading technologies that meet API standards as well as field-proven Ovation control strategies to maintain peak performance. Each fully documented solution is customized to accommodate project scope, schedule and budget requirements.



Comprehensive Mechanical Services

Emerson's mechanical experts provide comprehensive long-term support for maintaining existing equipment, refurbishing parts, benchmarking performance or testing. As the OEM designer, fabricator and installer of the mechanical equipment, Emerson is uniquely qualified to provide timely expert service and technical assistance.

SERVICE BENEFIT Mechanical Rebuild, replacement, maintenance, inspection, cleaning or upgrade services for component installed mechanical components including accumulators, actuators, filtration systems, hydraulic power units and servo valves. services Field support emergency or Expert on-site support for various activities including upgrades, inspections, schedule site flush setup and valve trip time recording. RELIABILITY services Custom 'drop-in-place' solutions created with cutting-edge 3D scanning Reverse technology that models OEM-supplied mechanical components. engineering **On-site spare** Immediate access to an on-site inventory of critical mechanical hardware parts components. MAINTENANCE Select services bundled into a customized maintenance agreement to meet Maintenance plant, staff and budget needs. agreements Onsite training conducted by qualified Emerson experts on actual installed Training equipment. Full installation scope services including site management, electrical & PERFORMANCE Turnkey (EPC) mechanical construction services that assist with meeting applicable local and services federal standards, system commissioning and field engineering support. Accurate project scope definition obtained through pre-bid site walkdowns, specification assistance, pre-project engineering design, and demolition/ Expanded scope installation engineering studies. If required, an Emerson foreman can be services assigned to manage craft labor.

For more information: www.Emerson.com/Ovation



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