



# STEAM TURBINE CONTROL SYSTEMS

SOLUTIONS:  
Steam Turbine Control

Increase MWe output by 0.5%, while reducing equipment fatigue

Diakont's steam turbine control system upgrade lets you finally gain active control over steam turbine speed and loading. The system replaces legacy electrohydraulic drives and shut-off slide valves with modern, reliable, easy-to-maintain electromechanical actuators. The system implements a dual-channel redundant structure, as well as an active electronic safety system, providing reliable protection against unacceptable increases in turbine rotor speed. The system has a powerful, multi-functional hardware and software interface that greatly enhances turbine management, as well as offering diagnostic ability.

## Features:

- Precision damping system, with built-in intelligence, results in a typical 0.5% electrical power output increase
- Highly-reliable redundant system with dual-channel electromechanical actuators, and an optional manual transmission
- Systems are based on proven, long life cycle components
- Improved ability to control turbine speed & steam pressure
- Increased level of automated control and diagnostics
- Reduced cost-of-ownership



Steam turbine throttle actuator



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