



Steam Turbine Controls

WHY HPI?

Our team has extensive experience with over 70 turbine models from more than 23 manufacturers in multiple markets: Power (Peak and Prime), Oil & Gas Processing and Transmission, Power Plant EPC. We provide open control systems based on commercially available, off-the-shelf technology, reducing life-cycle costs.

ABOUT HPI

HPI remains a technological leader in providing full service turbine solutions. HPI's range of products and services include turbine and plant control packages, mechanical inspection/overhaul services, as well as full turnkey Engineering, Procurement, and Construction (EPC) of power plants. HPI provides custom solutions to meet each specific project requirement by utilizing in-house talent experienced in project management, engineering, and design which improves overall plant reliability and safety.

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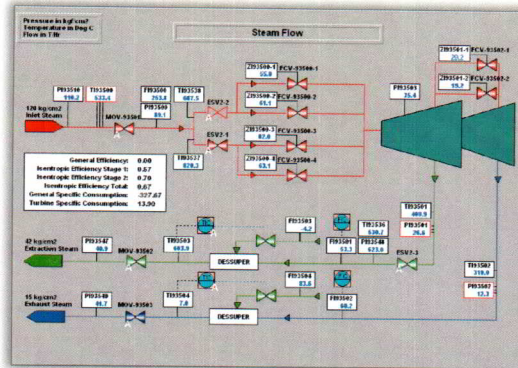
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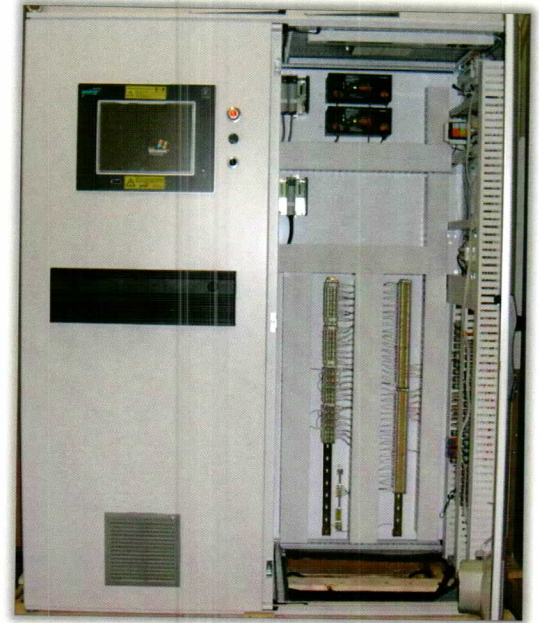
Steam Turbine Controls

HPI's team has a long and successful track record of steam turbine control projects on several OEM systems. Our specialists know the unique control requirements for improving turbine performance and reliability including upgrading key components, such as extraction valves, hydraulic safety blocks, and main steam valves. Older model turbines can also be provided with upgraded diagnostic capabilities through the addition of field devices at critical points of the steam cycle, and integrating the instrumentation with the control system.



Our HMI Design includes:

- Higher flexibility, use of a wide range of proven HMI packages
- Equipment designed for easy maintenance, troubleshooting, and modification.
- Customized to client requirements using modern, ergonomic principles.
- Secure, remote monitoring and system diagnostics
- User friendly screens
- Multilanguage capable
- Secure, remote monitoring and system diagnostics



HPI Solutions for Steam Turbines

- Steam Turbine Control Panel (STC)
- Improving / retaining original functionality
- Generator shaft voltage monitoring
- Full arc / partial arc control
- Extraction control
- Exhaust pressure control
- Exhaust flow limiting
- Valve actuator upgrades
- Plant DCS control
- Turn-key projects

