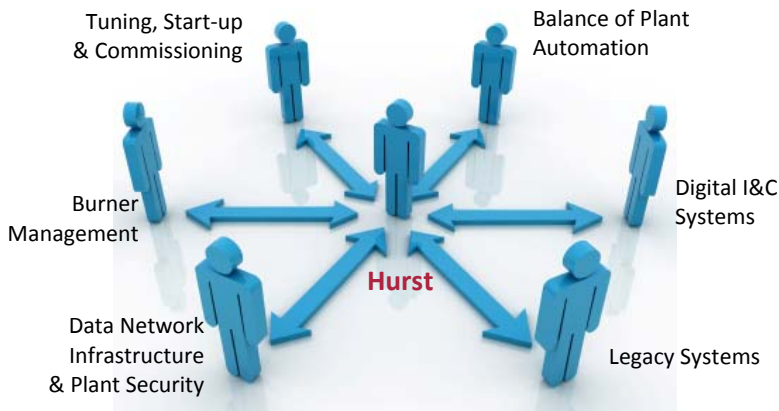


FOSSIL POWER PLANT CONTROL SYSTEMS

Statement of Qualifications

Hurst Technologies: The customized *engineering* approach for fossil-fired power plants.

Today, the value of a power plant asset depends on its instrumentation, control and automation system, and the monitoring and diagnostics (M&D), performance software, data analysis, security, and knowledge management network built up around it. Meanwhile, advances in digital technology make it difficult to maintain state-of-the-art automation and knowledge networks.



Hurst is an engineering services company specializing in fossil-power plant control systems, digital technology and networks, and plant security and cyber security. Our engineers have on average more than 25 years of experience with control system design and plant engineering.

Our work encompasses the entire control system value chain — sensors, valves, final control

elements; legacy analog and distributed control systems (DCS); programmable logic controllers (PLC); software and digital networks; and physical and cyber-security systems. Our scope will include any or all of the following: perform studies and evaluations; manage projects; develop specifications; oversee vendors; design, engineer, commission, and test systems; train staff and operators, and integrate systems.

Importantly, we are vendor-independent, and, unlike general engineering services firms, we bring a creative and innovative spirit to our work. For example, we are designing a fuel blending system for a 1,000-MW gas-fired combined cycle facility that includes a unique control algorithm based on the Wobbe Index. Our scope on this pioneering project includes system design and engineering, local configuration development, supervising of installation and commissioning, and training of plant staff and operators. Other relevant and recent project experience includes:

- ⇒ Review and manage a combined cycle plant control system replacement and change of vendors
- ⇒ Conduct energy management and I&C automation studies, and upgrade automatic generation control (AGC) system
- ⇒ Review and manage control system upgrade, including new turbine controls
- ⇒ Prepare baghouse controls specification for replacing existing control system; supervise installation, and provide start-up and commissioning services
- ⇒ Design and deploy distributed video monitoring equipment for site security
- ⇒ General tuning, start-up and commissioning services

Plant owner/operators are counting on the control and automation system, together with the plant and enterprise knowledge networks, to extract even more performance from existing assets. With so much riding on the plant controls, the specialists at Hurst Technologies are the responsible and logical choice.

To find out how Hurst Technologies can improve your fossil plant control systems, visit our Web Site for contact information.

**CONTROLS
AUTOMATION
NETWORKS**

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