

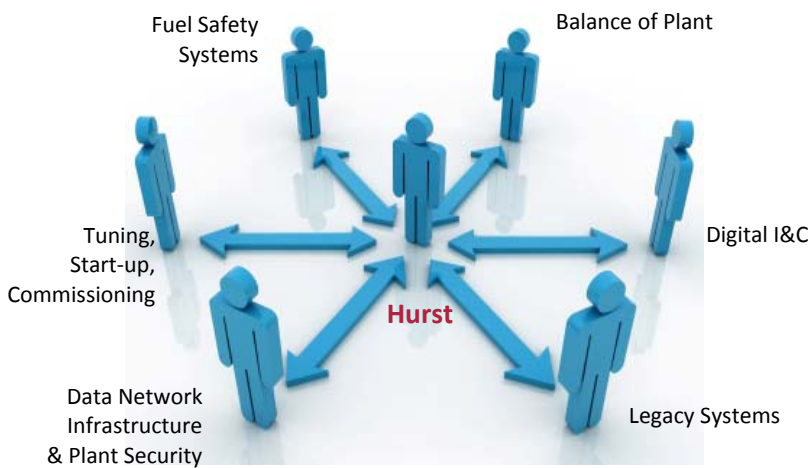


# BURNER MANAGEMENT SYSTEMS

## Statement of Qualifications

### Hurst Technologies: Experts in Burner Management and Sequential Logic.

No industry trend changes the fact that safety is job one at power plants, factories, and industrial facilities. Burner management systems (BMS) for fossil-fuel-fired boilers are a critical part of plant safety. A multiplicity of codes and standards govern BMS—International Society for Automation (ISA) S84.01, American National Standards Institute (ANSI), Occupational Safety and Health Administration (OSHA) “good engineering practice,” and the National Fire Protection Association (NFPA) codes 85, and the National Electric Code (NEC). These standards are constantly undergoing revisions and updates. Revisions to NFPA 85, for example, were issued in 2007.



One consequence of what is described as the “brain drain” in the power industry is a shortage of experienced BMS engineers and specialists.

Through the leadership of Paul Cannon, a pre-eminent BMS specialist, Hurst Technologies maintains BMS expertise that is respected throughout the power industry. We can also apply the

same sequential logic expertise to other plant sub-systems, including baghouse, flyash and bottom ash handling, fuel preparation and handling, water treatment, and other balance of plant systems.

Like all of Hurst Technologies, our BMS work is vendor-independent. We have no hardware or software to sell, just superior engineering solutions—from small package boilers and industrial process heaters to the largest coal-fired utility boilers—that will meet your budget and schedule. Our experience includes gaseous fuels, fuel oil, coal, petroleum coke, and bio-derived fuels. Our scope will include any or all of the following: strategic studies and planning, conceptual design, code application, quality assurance, specifications, design and engineering, project management, startup, commissioning, and even system integration.

Recent and representative BMS projects include:

- ⇒ Upgraded fuel safety and purge systems with programmable logic controllers (PLC) on a gas-fueled super critical boiler
- ⇒ Replaced legacy BMS with a new control system on a large lignite fired boiler
- ⇒ As owners engineer, prepared inquiry specifications for a baghouse controls replacement on a large coal-fired plant
- ⇒ Provided general tuning, start-up, and commissioning services
- ⇒ Engineered a fuel gas blending system including development of the logic configuration for a combined cycle plant

To find out how Hurst Technologies can improve your burner management systems, visit our Web Site for contact information.