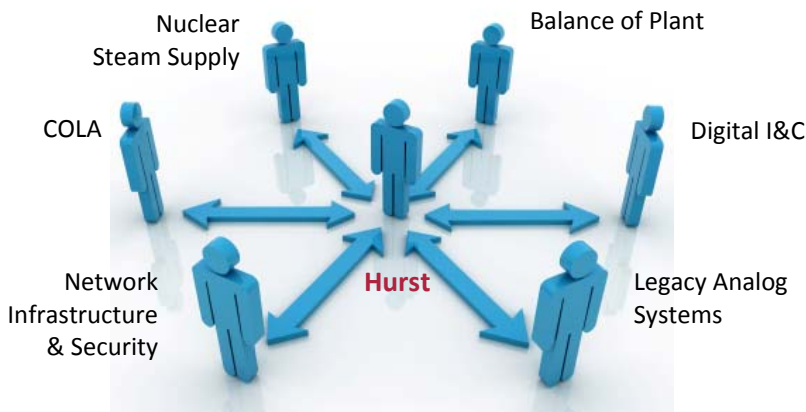


# NUCLEAR PLANT CONTROL SYSTEMS

## Statement of Qualifications

**Hurst Technologies: The customized *engineering* approach to nuclear I&C systems.**

Beginning with our pioneering work at American Electric Power's D.C. Cook plant in 1994, Hurst has been recognized as a leader in nuclear power engineering. With that first fully NRC-approved digital protection system, we have guided digital I&C applications and development through multiple upgrades at more than 60% of the nuclear power plants in America. Our involvement spans the life cycle of a project — including strategic studies and conceptual plans, developing specifications and MOD packages, overseeing vendor-built hardware and software (as well as designing, deploying, and building systems ourselves), and installing, testing, and verifying equipment.



Hurst doesn't sell packages or represent vendors. We always bring an independent, objective point of view to each project and support it with our hands-on evaluations of current and next-generation systems, regulatory requirements, and, above all, our deep expertise and wide experience.

Our nuclear, mechanical, chemical, and electrical engineers have an average of 25 years experience and have provided engineering guidance to the plant regulatory compliance environment under FERC, NRC, TSA,

FAA and DOT standards. In fact, Hurst was recently selected by DOE to be an Independent Engineer that verifies new Nuclear Plant I&C systems plans for owners that have applied for Federal Loan Guarantees.

Our practice focuses on three primary areas:

- ⇒ **Plant Control Systems** — the support and integration of legacy systems, the design of current high-performance digital systems, and the development of the next generation of control systems.
- ⇒ **Power Plant Operators** — consulting for current or prospective operators especially through the Combined Operating License Application (COLA) process.
- ⇒ **Plant Data Networks** — the design and installation of plant data networks with special expertise in physical plant security and cyber security systems.

Representative projects include:

- ⇒ **I&C Engineering Support for COL Application, Units 3 & 4** — South Texas Project Nuclear Operating Company.
- ⇒ **Turbine Control Upgrade (TCU) I&C Documentation Support** — American Electric Power, D.C. Cook Nuclear Plant.
- ⇒ **RTD Bypass Elimination Engineering Support, Unit 2** — American Electric Power, D.C. Cook Nuclear Plant.
- ⇒ **Plant Process Computer System Replacement Modification Engineering Support** — Ameren UE, Callaway Nuclear Plant.
- ⇒ **New Analog Rod Positioning Indicator (NARPI) Implementation, Units 3 & 4** — Florida Power & Light, Turkey Point Nuclear Plant.
- ⇒ **Implementation of Annunciator System Replacement Project** — Nebraska Public Power District, Cooper Nuclear Station.

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