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NUCLEAR POWER PLANT CAPABILITY STATEMENT

QUALIFICATION AND DEDICATION OF COMMERCIAL-GRADE EQUIPMENT USING EPRI GUIDELINES
THIRD-PARTY DEDICATION OF SAFETY-RELATED PARTS, SYSTEMS AND EQUIPMENT
CLASS 1E MANUFACTURING, SYSTEM INTEGRATION AND COMPONENTS

QUALIFICATION, DEDICATION AND PERFORMANCE TESTING

- Thermal, Radiation and Vibration Aging
- Electrical and Mechanical Cycling
- Electrical and Mechanical Design Testing
- HELB (High Energy Line Break)
- LOCA (Loss of Coolant Accident) Testing
- EMI and RFI Qualification
- Seismic Testing

MANUFACTURING AND SYSTEM INTEGRATION

- MCC Buckets, Control Panels and Electrical Systems
- Power Distribution Panels
- Power Supplies
- Electric Heaters
- Instruments and Controls

SUPPORT LICENSE EXTENSION, POWER UPRATES AND CHANGES IN POSTULATED CONDITIONS

- Conform and Update Electrical Drawings
- Qualified Life Calculations/Extensions
- Re-Engineered Products
- New Qualification Programs
- Schematics and Wiring Diagrams

Class 1E Systems & Components Since 1979

NUTHERM INTERNATIONAL | 501 SOUTH 11TH STREET MOUNT VERNON, IL 62864 | (618) 244-6000 | SALES@NUTHERM.COM | **NUTHERM.COM**

SUPPLIER TO:
Commercial Nuclear Power Plants
A & E Firms
Department of Energy
Testing and Research Facilities
OEM Suppliers

EXPERIENCE
Over 9,400 Parts Qualified
Over 7,000 Projects Completed
Harsh, Mild & Seismic
Founding Member of NIAC

QUALITY ASSURANCE
10 CFR 50 Appendix B
10 CFR Part 21 Reporting
ANSI/ASME NQA-1
NUPIC and NIAC Audited

CORE PRODUCTS AND SERVICES

SERVICES

Qualifications
- Thermal Aging
- Mechanical Cycling
- Electrical Cycling
- HELB/MSLB & LOCA Testing
- Radiation Aging
- EMI/RFI Testing
- Seismic Testing
- Vibration Aging

Dedication
- Critical Characteristic Verification
- Material Analysis
- Similarity Analysis
- Equivalency Evaluations
- Material Property Testing
- Dedication Services
- Calibration of Dedicated Instruments
- Performance
- Electrical Design Tests
- Mechanical Design Tests
- Metallurgical Tests

COMPONENTS

Protective Devices
- Air Circuit Breakers
- Molded Case Circuit Breakers
- Vacuum Circuit Breakers
- Fuses/Fuse Blocks
- Protective Relays
- Test Switches
- Potential/Current Transformers
- Overload Relays/Heater Coils
- Fused Disconnect Switches
- Power Monitors

Control Devices
- Pushbutton/Selector Switches
- Indicator Lights
- Auxiliary Relays
- Timing Relays/Timers
- Contactors/Motor Starters
- Control Power Transformers
- Terminals & Terminal Blocks

Process Instrumentation
- Pressure and DP Switches
- Temperature Switches
- Level & Flow Switches and Meters
- Level & Temperature Transmitters
- Temperature Controllers & Sensors
- Actuators
- Pressure & Level Gauges
- Tachometers

Electronic Conditioners & Alarms
- Annunciators
- Signal Converters & Transducers
- Signal Isolators
- Alarm Units
- I/P & P/I Converters
- Pneumatic/Electronic Positioners
- Smoke Detectors

Indicators Analog & Digital
- Voltmeters & Ammeters
- Wattmeters & Varmeters
- Frequency Meters

Motors
- AC, DC & Damper Motors

MAJOR EQUIPMENT

Distribution
- AC & DC Motor Control Centers
- Variable Frequency Drives
- Medium Voltage Switchgear
- Low Voltage Switchgear
- AC & DC Panel Boards
- Medium & Low Voltage Transformers
- Disconnect Switches
- Walk-in Enclosures
- Reduced Voltage Starters
- Multi-Speed Starters

Emergency Power
- Constant Voltage Transformers
- Power Transfer Contactors
- Diesel Generator Sets
- UPS Systems
- Load Banks
- AC & DC Power Transfer Switches
- AC & DC Control Transfer Switches
- Battery Chargers
- Inverters

Control/Specialty
- Diesel Driven Fire Pumps
- Electric Driven Fire Pumps
- Fire Pump Controllers
- PLCs
- Termination Cabinets
- Control Panels
- Instrumentation Panels
- Enclosures
- Heaters & HVAC Control Systems
- UL 508A Panels
- Computer Racks and Consoles
- Instrument Racks
- Annunciator Panels
- Relay Panels
- Panel Fans

Miscellaneous
- Design & Fabrication of Retrofit Kits
- Failure Analysis
- Replacement Research (Obsoles-cence)
- Re-Engineering
- MCC Buckets & Components
- Analog Controllers
- Power Supplies
- Procurement Support
- Selector Switches
- Transformers

CONTACT INFORMATION

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