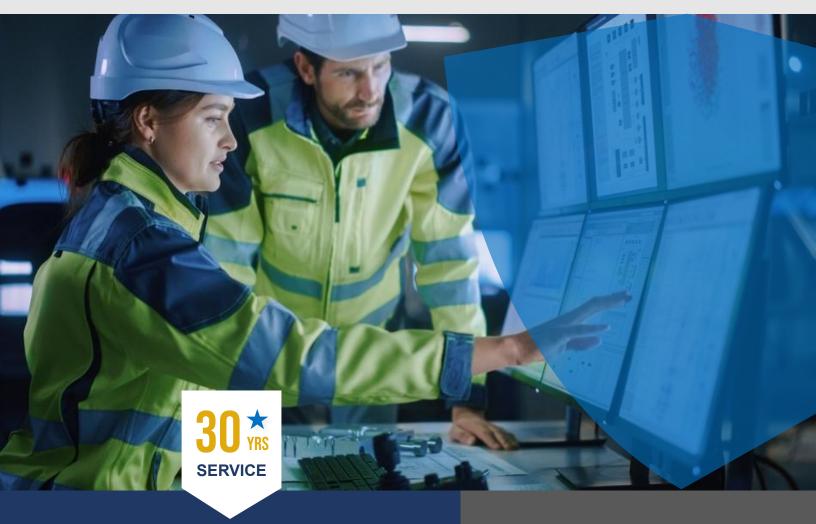


Commercial | Industrial | Utility



ENGINEERING SERVICES

POWER SYSTEMS STUDIES & DESIGNS

POWER QUALITY STUDIES & MITIGATION SOLUTIONS

ELECTRICAL CONTROLS & AUTOMATION

EMERGENCY POWER DESIGNS & SOLUTIONS

PROTECTIVE RELAY DESIGNS

ELECTRICAL POWER DESIGNS

ELECTRICAL TRAINING

EQUIPMENT SIZING, SPECIFYING & BOM CREATION



Professional Engineers on Staff

Our Professional Engineers (PE) are licensed in 40+ states and ready to support your project requirements.

Our expert team offers a full range of engineering services, including consulting and design, to ensure the safe, sustainable use of electric power. We partner with you to take engineering recommendations through to full implementation, including commissioning and testing.

Services Include:

Power Systems Studies & Designs

Arc Flash Studies

Coordination Studies & Mitigation

Short Circuit Studies

Load Flow Studies

Equipment Evaluation / Sizing Studies

Additional Engineering Studies

Harmonics Studies & Mitigation Solutions
Power Factor Analysis & Correction Designs
Transient Motor Starting Analysis & Designs
Grounding Studies & Designs
Power Quality Analysis & Studies

Electrical Controls & Automation

Electrical Controls Designs

PLC Control Designs & Code Creation (ABB, Siemens, GE, etc.)

P&ID Interpretation

PID Tuning and Analysis

HMI & Operator Interface Designs

Data Acquisition & SCADA Designs & Solutions

Networking Architecture Designs

Emergency & Standby Power Designs

Backup Generator Sizing and Selection UPS System Integration

ATS Designs and Selection

Protective Relays

Relay Protection Schemes & Designs Modern Relay Retrofits & Upgrades Coordination & Settings Commissioning & Reporting

Electrical Power Designs

MV/LV Commercial or Industrial Power System Designs

Power Distribution Schematics & Equipment Selections

Load Calculation and Analysis PE Stamped Designs

Training

Arc Flash Training
General Safety Training
Electrical Codes & Standards Training

Instrumentation & Electrical

Instrument Specifications (pressure, flow, temperature, level, etc.)

Control Loop Designs

Analog and Digital Signal Wiring

Transmitter Scaling & Signal Conversions
Power and Control Panel Designs (PLC, MCC,

VFD, etc.)

I/O List Creation & Mapping

FAT/SAT Support and Commissioning Assistance

Equipment Sizing, Specifications & BOMs

Detailed Equipment Sizing Specifications & Bills of Material Creation

Equipment: Transformers, Breakers, Fuses, Cables, VFDs, Motors

Facility Code Compliance

NEC Compliance NFPA 70E Compliance SKM Power Tools Expertise

About Sentinel-TDS

A TechPro Power Group company, Sentinel-TDS, based in Dallas/Ft. Worth, TX, has been delivering industry-leading service solutions for over 30 years that empower its customers to safely start up and optimize the performance of their facilities' electrical and controls systems. Sentinel-TDS provides electrical, instrumentation and control testing and start-up and commissioning services to the power, oil & gas, process industries and other industrial end markets.



Need Engineering Services? We are Ready to Help!



SENTINEL-TDS

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