

Electrical Engineering

The Westinghouse Solution

The Westinghouse BOP and Design Engineering electrical engineering services is a proven and consistent supplier of electrical design and services for power generation, oil & gas, and industrial infrastructure projects. To simplify contracting activities, Westinghouse provides a wide range of electrical engineering services from simple engineering staff augmentation to integrated, comprehensive solutions for large, complex electrical designs to component replacements and plant-wide modification projects.

Services Include:

- Electrical Systems Engineering and Design
- Design Criteria and Key Systems Parameter Development
- Electrical Systems Analyses (AC and DC, ETAP/SKM)
- Arc Fault Analysis
- Equipment Sizing and Scheduling
- Cable Sizing, Scheduling, and Routing
- Power Block Equipment Design
- Station Distribution Systems
- Grounding and Lightning Protection
- Electric Grid Analyses
- Lighting and Communications
- Security System Design
- Electrical Protection and Coordination
- One-Line and Wiring Drawings
- Equipment Modeling and Layout Design
- Raceway & Raceway Supports Design and Modeling
- Hazardous Area Classification
- Procurement Support
- Licensing Support and 10CFR 50.59
- Electrical Installation Requirements
- Modification Package Development.

Major Projects Include:

- Vogtle Power Station Electrical Design
- Power Plant Upgrades
- Fuel Facility Upgrades
- Technical Support Center Design
- Natural Disaster Support Building Designs

Major Types of Projects:

- Fossil and Nuclear Power Stations
- Industrial Plants
- Transmission and Distribution Switchyard

Electrical Engineering Software

- ETAP™
- Mathcad™
- Autocad™
- WIRED™ and others

All third-party trademarks, including logos, referenced in this document remain the property of their respective owners

www.westinghousenuclear.com/operating-plants/-balance-of-plant-design-engineering

Westinghouse Electric Company LLC

2023 All Rights Reserved

1000 Westinghouse Drive
Cranberry Township, PA 16066
www.westinghousenuclear.com

