

Power Generation and Distribution Solutions

Solutions encompass power plants using nuclear, fossil, LNG, and renewable energy. Expertise includes electric power system planning, substations, and transmission.



ADDITIONAL IMAGES



Overview

Comprehensive Power Engineering Solutions

This service provides full-cycle engineering, procurement, and construction (EPC) solutions for power generation and distribution infrastructure. With extensive experience across coal, gas, nuclear, and renewable energy sectors, the team delivers optimized designs and turnkey project management. From high-capacity power plants to complex transmission networks, these solutions ensure safe, reliable, and efficient energy delivery on a global scale.

Power Generation Capacity

Conventional Power Plant Metrics

69400 MW

Total Designed Capacity

45000 MW

Successfully Completed

Gas Turbine Capabilities

50 MW

Min Unit Size

390 MW

Max Unit Size

Engineering Services

Supported Sectors

- Power Plants
- Substations
- Transmission Lines
- Pile Foundation Construction
- FGD Systems
- Jetties
- Wastewater Treatment

Available Service Models

EPC, EP, PMC, PM, Owner's Engineer

Power Grid Infrastructure

Transmission Infrastructure

Infrastructure Type	Capacity/Length
Substation Capacity	> 158,000 MVA
AC Transmission Line	> 1,500 km
DC Ultra High Voltage Line	> 700 km (up to ± 800 kV)

Nuclear Power

Supported Nuclear Technologies

PWR • M310 • AP1000 • EPR