TATA

TATA CONSULTING ENGINEERS

ENGINEERING A BETTER TOMORROW™

Power Infrastructure Engineered for High-Performance Systems

Designed for reliability, speed, and operational performance

265+ GW
Power engineering experience across generation and transmission

160 GW
Thermal and gas-based power systems engineered

40 GW
Renewable energy projects delivered

7,500+
Miles transmission networks engineered

250+
Substations power transmission infrastructure delivered

A Global Engineering Partner

Tata Consulting Engineers is a global engineering consultancy delivering integrated solutions across power, energy, and industrial infrastructure. Established in 1962 and part of the Tata Group, the firm has delivered over **12,000 projects** across more than **65 countries**. In the United States, the firm has a growing presence supported by local engineering teams and a global delivery network, enabling the execution of large programs across the full project lifecycle, **from early-stage studies through engineering design and project construction resourcing**.

Power and Energy Expertise

TCE delivers engineering across the full spectrum of power systems, including:

- Gas-based and thermal power generation
- Renewable and hybrid systems including storage
- Nuclear and hydro power infrastructure
- Transmission networks, substations, and grid systems
- Captive and behind-the-meter power solutions
- Data center power integration and interconnection studies

Engineered for High-Load, Continuous Operations

For large-scale data center and behind-the-meter power programs:

- Engineering for large captive and generation systems
- Grid interconnection and system impact studies
- Design of distribution and evacuation networks
- Integration of gas, renewables, and battery storage
- Designed for uptime, redundancy, and operational resilience

Global Power & Energy Experience

ITER Nuclear Fusion Project, France
Engineering support for one of the world's most complex energy programs

Dynamic Line Rating Project, India
Advanced grid technology improving transmission capacity and system reliability

Thermal & Gas Power Programs (Global)
Over 160 GW of thermal and gas-based systems engineered across multiple regions

Renewable Energy Programs
Over 40 GW across solar, wind, and hybrid energy systems

Nuclear Power Programs
Over 10 GW of nuclear power engineering across PHWR and advanced reactor systems

Why TCE

Proven capability across large-scale power generation and grid infrastructure

Experience delivering high-reliability systems in critical sectors

Strong U.S. presence backed by global engineering scale

Integrated services from concept through commissioning

Engineering focused on performance, constructability, and long-term value

Contact us : tceconnect@tataconsultingengineers.com | www.tataconsultingengineers.com