



## SOLUTIONS FOR **DATA CENTERS**



Data centers are placing unprecedented demands on transmission owners, creating a competitive landscape for utilities that aim to attract these high-load customers while meeting significant electricity requirements. ENTRUST is at the forefront of this challenge, providing comprehensive solutions to support utilities in accommodating these demands efficiently and reliably.

### **PROVIDING CORE SERVICES FOR DATA CENTERS**

#### **Project Management & Controls**

ENTRUST specializes in delivering end-to-end project management, ensuring seamless execution from initiation through close-out.

Key services include:

- Developing project implementation plans
- Coordinating interconnections and outages
- Managing stakeholder relationships
- Managing risk and change control
- Overseeing and monitoring construction projects
- Providing detailed project scheduling and financial analysis
- Creating dashboards and operational data visualizations
- Supporting contract administration and conducting audits

#### **Siting, Permitting, and Environmental Support**

Navigating environmental and permitting challenges is critical for data center projects.

ENTRUST provides:

- Geotechnical and topographic studies
- Environmental compliance and permitting matrix development
- Air permit support
- Site design and engineering

#### **Power Generation**

With extensive experience in power generation technologies, ENTRUST assists in:

- Configuring plant systems and conducting O&M studies
- Managing turbine and generator operations with subject matter experts specializing in GE, Siemens, and other technologies
- Supporting turbine controls commissioning and battery energy storage solutions for microgrids

## Pipeline and Compression

Our expertise includes:

- Gas volume and supply identification
- Pipeline routing and midstream interconnection support
- Regulatory compliance and pipeline engineering

## Transmission Line & Substation Engineering/Design

ENTRUST is a leader in transmission and substation design, with expertise in both overhead and underground systems.

Services include:

- Transmission interconnection studies across PJM, MISO, CAISO, and other RTO/ISO networks
- Large load studies for integrating new data center demands
- Detailed engineering and design for switchyards, substations, and transmission lines up to 765kV

## Supporting Both Utilities and Data Centers

ENTRUST serves as a trusted partner to transmission owners (TOs), regional transmission organizations (RTOs), and data center operators. We bridge the gap between utilities and companies looking to construct data centers by offering:

- Transmission planning and traditional engineering design solutions
- Owner's engineering services for significant operators like Intel
- Utility relationship management and support for load sizing calculations
- Assistance with onsite power generation and sustainability initiatives

## Advancing Innovation in the AI and Microchip Era

As industries like AI and microchip manufacturing continue to grow, the demand for robust, scalable, and efficient power systems will only intensify. ENTRUST remains committed to providing innovative and reliable solutions, ensuring long-term support for evolving customer needs.

Partner with ENTRUST to power the data centers of the future.

