SHACKELFORD COUNTY, TEXAS DATA CENTER CAMPUS OVERVIEW

A Mega-Campus in the Lone Star State to Meet Unprecedented AI Demand

FEATURES

- 1,200-acre campus
- 1.4GW of critical IT load
- 10 one-story data centers once fully developped
- 3,700,000 SF
- Up to 1.4kW/SF average density
- Class A building amenities including office, conference rooms, break rooms and more

SPECIFICATIONS

POWER	1.4GW of critical IT load
POWER DENSITY	Up to 1.4kW/SF average density
SQUARE FEET	3,700,000 SF

AMENITIES

- Customizable offices and workspaces dedicated to individual customers
- Secure storage with easy access between data modules
- Multiple conference rooms and meeting spaces throughout the campus
- Proximity to local amenities, including restaurants, shopping, entertainment and the Abilene Regional Airport

POWER

- N+1 redundancy across all electrical systems
- Multiple, diverse power feeds supporting the campus
- Rack densities up to 1.4kW per square foot

COOLING

- Combined air-cooled and liquid-to-liquid cooling to support next generation GPU workloads
- Computer Room Air Handling (CRAH) units located in two galleries on opposite sides of each data module allow for highly efficient airflow distribution
- Water Utilization Efficiency (WUE) will be near zero (liters/kW/hr) using the latest cooling design
- N+1 redundancy across all mechanical systems

CONNECTIVITY

- Major fiber-based service providers operating within a few miles of the campus including AT&T, Fiberlight, Windstream and Zayo
- Three Meet-Me-Rooms (MMRs) per building allowing for diverse paths and multiple connectivity options
- One point-of-entry (POE) per building ensuring maximum path diversity for inbound carriers
- Diverse fiber pathways into the campus (minimum two paths per carrier)

SECURITY

- On-site security operations center with patrols 24x7x365
- Perimeter security gates and fencing
- CCTV on all access control points throughout the entire campus
- Dual authentication (access badge/PIN and biometric readers) for customer and critical infrastructure areas
- Visitor management system and badging to control and track on-site personnel