

Phoenix, AZ Data Center

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Overview

Phoenix presents an ideal location for data centers. When you combine a superior climate with low threats from natural disasters, and add highly competitive power cost plus a very attractive 20-year sales tax exemption, you get ranked one of the top U.S. data center destinations. Aligned Energy builds on top of these great attributes, with adaptive, efficient data centers that run on low-water to no-water and save up to 80% energy.

55



BUILDING ACRES

550,000



SQUARE FEET

180



MEGAWATTS

Building Specifications

- Renovated in 2016
- Campus is 55 Acres
- 550,000 sq. ft. building at full build
- 300,000 sq. ft. data hall at full build
- Private, dedicated data center suites
- Concrete slab-on-grade and structured steel
- Three interconnected multi-tenant buildings
- ASCE7 occupancy category IV. data hall FM-120 and office FM-90 roof lift ratings
- Wind importance factor of 1.15
- Three bays with delivery platform and equipment trap
- Dedicated office space for rent
- Shared conference rooms and drop-in office pods
- 24x7x365 accessibility
- Industry-leading 1.15 PUE



Building Specifications

TELECOM

- Five diverse points of entry
- Carrier-neutral
 - Multiple carriers
- Three diverse Meet-me-rooms

POWER

- Diverse and dedicated substations: expandable to 180MW
- Concurrently maintainable UPS
- N+1 power generation
- Redundant A+B distribution
- Revenue-grade metering

SECURITY

- 8' Impasse steel security fencing with laser intrusion detection
- Five-layer security design
- Card reader access
- Motorized gates
- 24x7x365 on-site security guards
- Multiple check-points: mantraps, dual authentication (biometrics and RFID badge readers)
- Event-driven IP video surveillance and visual light-based alerts

CORPORATE SUSTAINABILITY

- Uses up to 85% less water
- Uses up to 80% less power
- 100% renewable energy available
- Industry-leading PUE, WUE and CUE

FIRE PROTECTION

- Separately zoned data halls
- Very Early Smoke Detection Apparatus (VESDA)
- Dual interlock pre-action system

COOLING

- Our hot aisle containment strategy absorbs heat at its source - supporting standard and high power densities and allowing you to scale vertically and horizontally - without stranding capacity
- Configurable to client needs (i.e. N, N+1, 2N)

COMPLIANCE

- System and Organization Control (SOC) 2 Type 2 and SOC 1 Type 2, PCI DSS, HIPAA, HITECH, NIST 800-53, ISO 27001:2013, and Uptime Institute M&O certified



ARIZONA DATA CENTER SALES TAX EXEMPTION

Because Aligned Energy's Phoenix facility is a "sustainable redevelopment project" our colocation tenants receive a 20-year sales tax exemption on IT equipment so long as they contract for 500 kW (or more) per month for 2+ years.

ABOUT ALIGNED ENERGY

Aligned Energy is an infrastructure technology company that offers colocation and build-to-scale solutions to cloud, enterprise, and managed service providers. Our intelligent infrastructure allows us to deliver data centers like a utility – accessible and consumable as needed. By reducing the energy, water and space needed to operate, our data center solutions, combined with our patented cooling technology, offer businesses a competitive advantage by improving reliability and their bottom-line.