UNITED STATES

Phoenix PH4 Data Center

In one of the most dynamic data center growth markets in the country, **PH4 sits on our 240MW campus**, just 30 minutes from Phoenix Sky Harbor International Airport. PH4 is built to LEED-certified specifications for maximum energy conservation and minimum water usage.

Data center space

- 127,000 sq. ft. data floor space
- Six 6MW vaults
- Two-story building
- Class A office space available

Power

- Total critical IT load: 36MW
- Two (2) 34.5kV feeders, each rated at 60 MVA with on-prem substation
- N+1 distributed redundancy for each vault
- Diverse dual-corded power distribution
- Generators with on-site fuel storage to support 24 hours run time at full load with 24x7x365 fuel delivery
- Air-cooled power densities available up to 22kW per rack, 70kW or higher with liquid cooling technologies
- Renewable energy options available

Cooling

- Air-cooled chillers with airside economizers
- Fan coil wall cooling design with hot aisle containment and N+1 redundancy in the vault
- Dedicated modular chiller plant designed with a closed loop water cooling system for additional efficiency
- Cooling system is compatible and ready for high-density solutions like AI that require a separate technology loop
- Slab floor construction

Fire protection

- Aspirating Smoke Detection (ASD) system enabling fast detection, response and mitigation before it's visible to the naked eye
- Dual interlocked nitrogen filled pre-action dry pipe fire suppression system for vault areas

Security

- 24x7x365 in-house security staff and secure managed delivery and loading area
- Fenced campus with strict access control procedures and secure parking
- Intelligent high-definition video surveillance system with real-time feeds
- Multi-factor authentication and multi-level security zones throughout the facility

Connectivity

- Carrier-neutral
- Three diverse fiber entry points
- Two Meet-Me-Rooms
- Network dense with access to many global and regional carriers and ISPs offering dark and lit services
- Access to multiple leading public, private, and hybrid cloud providers

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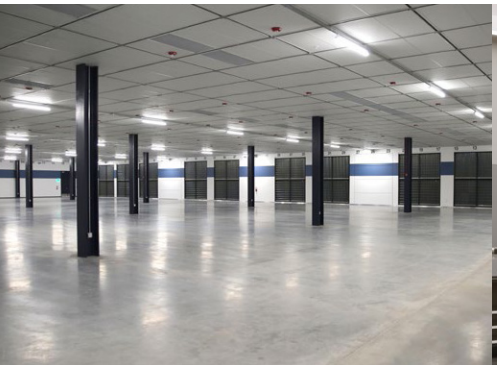
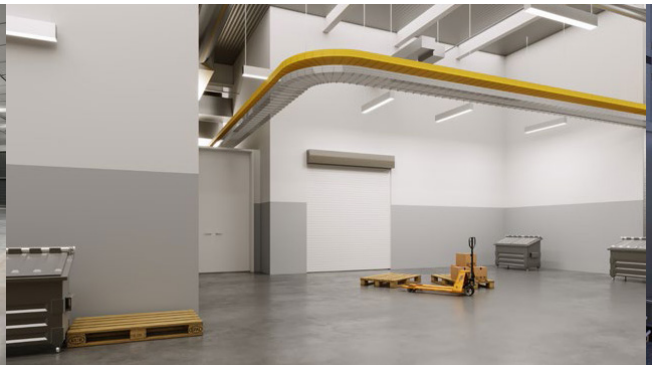



Additional data center services

- Remote hands and eyes
- Fit-out and deployment
- Dedicated long-term storage

Certifications and compliance

Compliance

- SOC1 and SOC2 Type II
- ISO 27001
- PCI DSS
- NIST 800-53 High
- HIPAA

Sustainability

- Designed to LEED Certification Building Design and Construction: Core and Shell
- Designed for power and water efficiency

Data center products

- Cabinets
- Customizable cages
- Private suites
- Dedicated vaults

Phoenix PH4 highlights:

Sustainability: PH4, along with all other data centers on the Phoenix campus, will be built to LEED-certified specifications for Core and Shell. We are designing and building the mechanical, electrical, plumbing, and fire protection systems for maximum energy conservation and minimum water usage. PH4 also utilizes a closed loop water cooling system for additional water usage efficiency at the data center.

Substation: PH4 will utilize the NTT-owned on-site substation that delivers upwards of 480MVA.

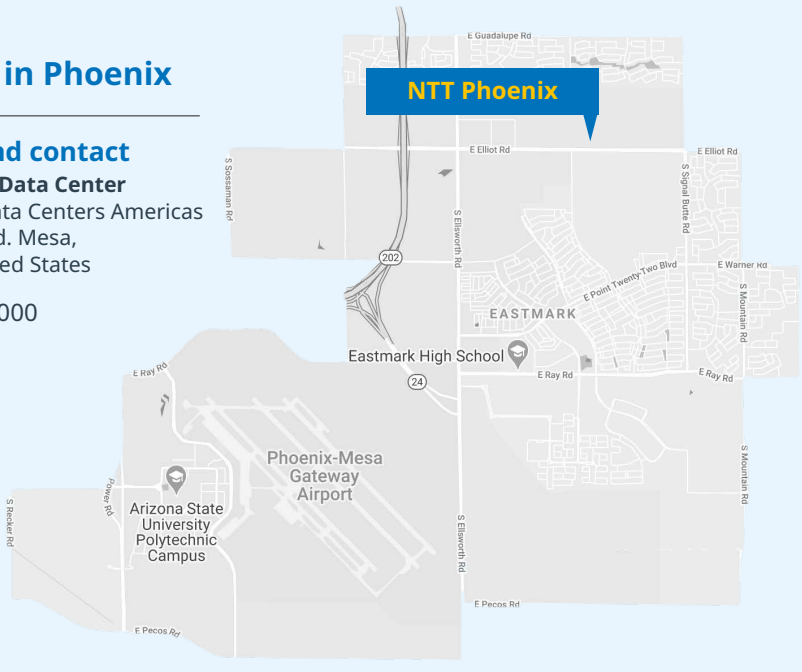
Client amenities: PH4 offers several client amenities including conference rooms, hoteling stations, break room, crash carts, rack and server lifts, and free Wi-Fi.

Location in Phoenix

Address and contact

Phoenix PH4 Data Center
NTT Global Data Centers Americas
10256 Elliot Rd. Mesa,
AZ 85212 United States

T: 916-286-3000



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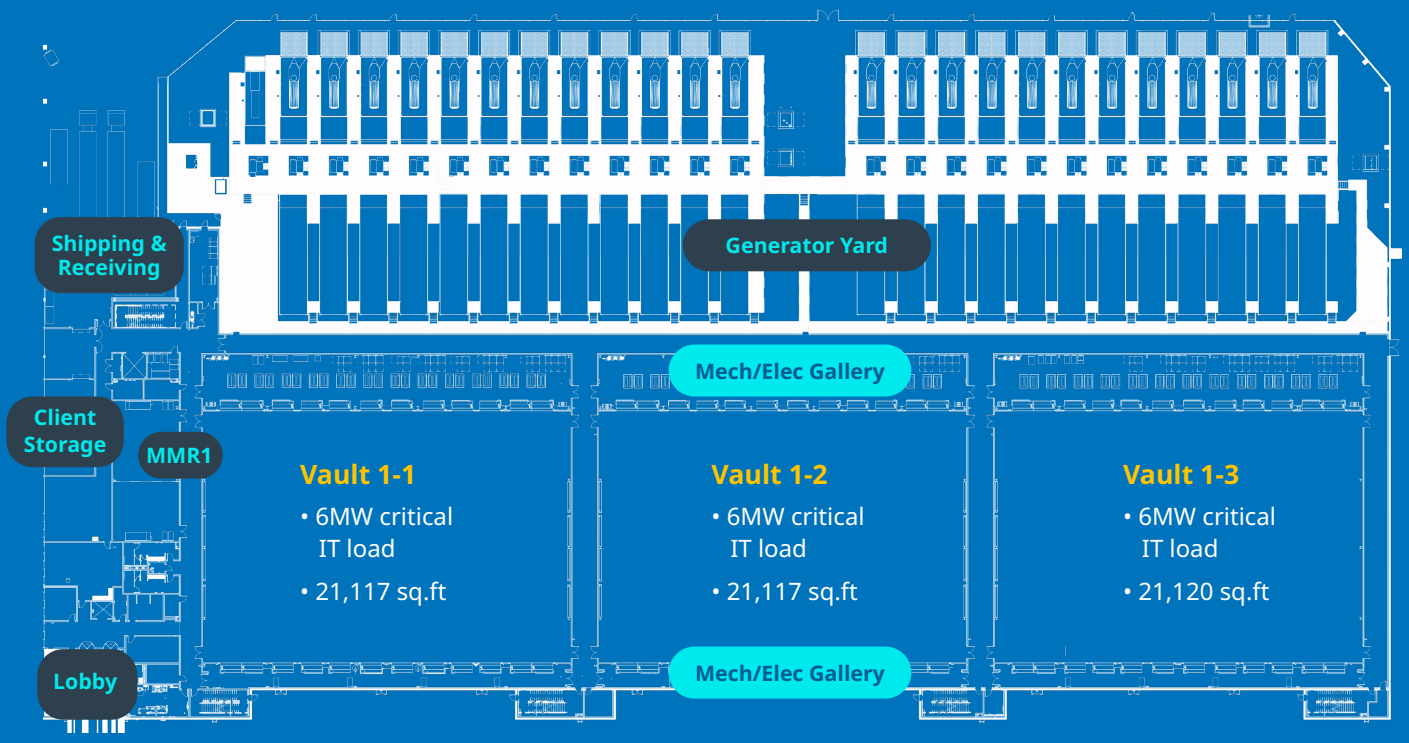
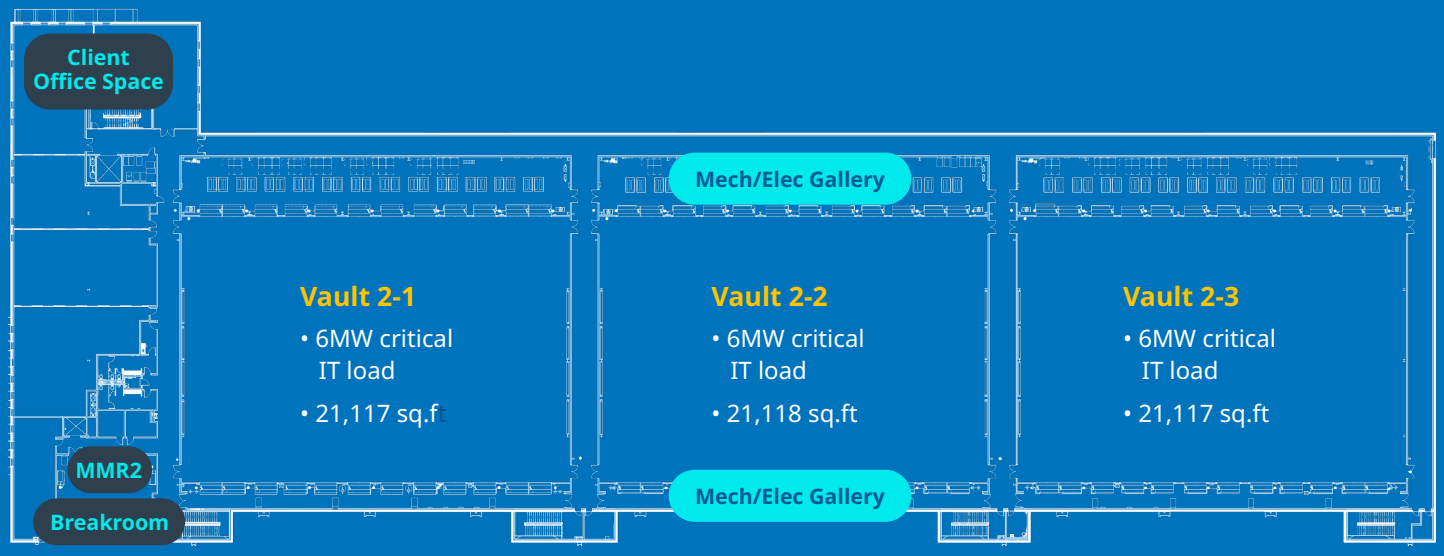
Phoenix PH4 layout

Floor 1



Floor 2



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