NTT DATA

United States

Phoenix PH1 Data Center

In one of the most dynamic data center growth markets in the country, PH1 is the first of seven data centers on our 240MW campus. PH1 is just 30 minutes from Phoenix Sky Harbor International Airport, and is built to LEED-certified specifications for maximum energy conservation and minimum water usage.

Data center space

- 126,000 sq. ft. data floor space
- Six 6MW vaults
- Two-story building
- Class A office space available

Power

- Total critical IT load: 36MW
- Four primary 34.5kV utility feeds, plus one alternate feed
- N+1 redundancy for each vault
- Four (4) x 2MW UPS modules for every 6MW capacity
- Diverse power distribution to the data vault (A and B feeds)
- 24-hour fuel storage capacity
- Power densities available up to 22kW per rack
- 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

Fire protection

- Next generation safety management by ONYXWorks for centralized control and monitoring of the fire alarm system
- Dual interlocked nitrogen filled preaction dry pipe fire suppression system
- Aspiration Smoke Detection (ASD) system enabling fast detection, response and mitigation

Security

- 24x7x365 Security and Operations team
- Fenced campus with centralized, electronic access control system
- 100+ real-time security feeds using pattern-based technology
- Multi-factor authentication throughout the facility
- Secure managed delivery and loading area 24x7x365

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
- Class A office space
- Dedicated long-term storage

Certifications and compliance

Compliance

- SOC1 and SOC2 Type II
- ISO 27001
- ISO 50001 Energy Management
- PCI DSS
- NIST 800-53 High
- HIPAA

Sustainability

- Designed to LEED Gold Standards
- EPA ENERGY STAR

Data center products

- Cabinets
- Customizable cages
- Private suites
- Dedicated vaults
- Build to suit

Phoenix PH1 highlights

Sustainability:

PH1, 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. PH1 also utilizes a closed loop water cooling system for additional water usage efficiency at the data center.

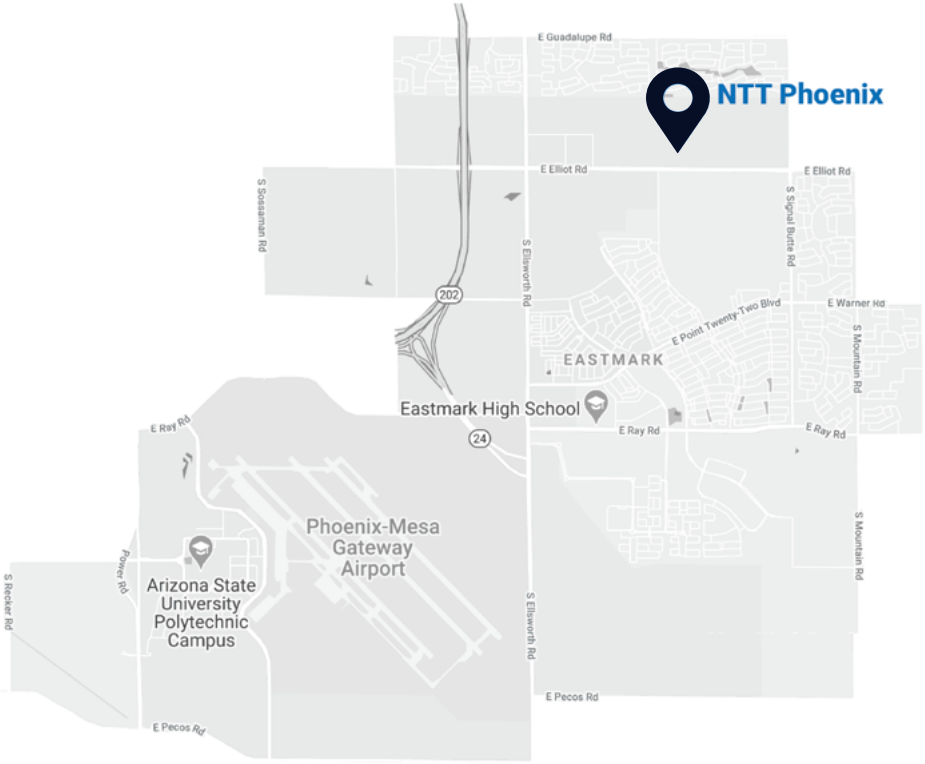
Substation:

PH1 will utilize the NTT-owned on-site substation that delivers upwards of 480MVA.

Client amenities:

PH1 offers several client amenities including conference rooms, hoteling stations, break room, crash carts, rack and server lifts, and free Wi-Fi.

Locations in Phoenix



Address and contact

Phoenix PH1 Data Center

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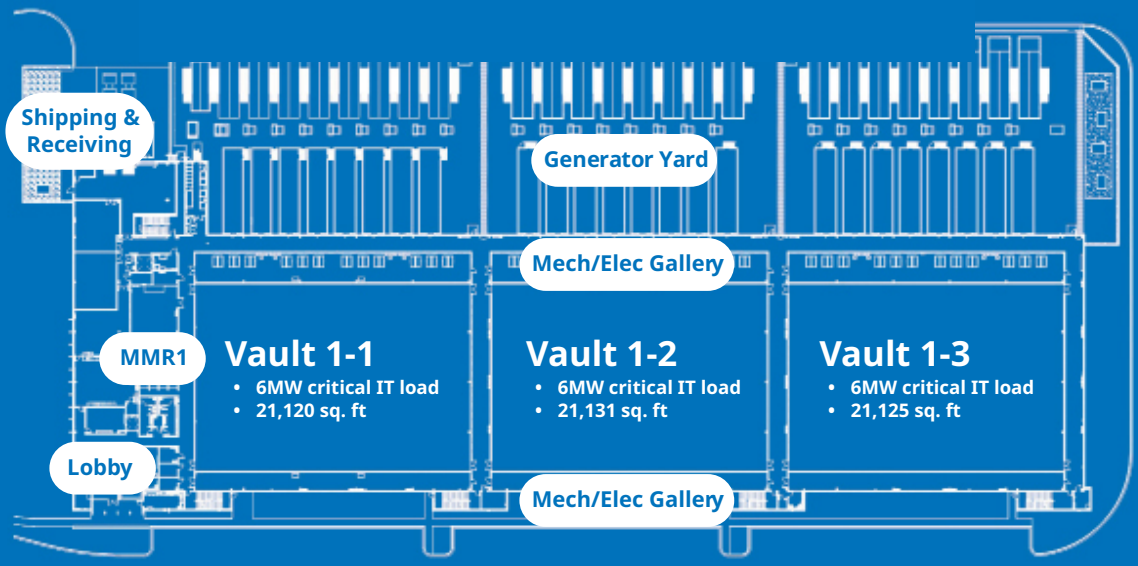
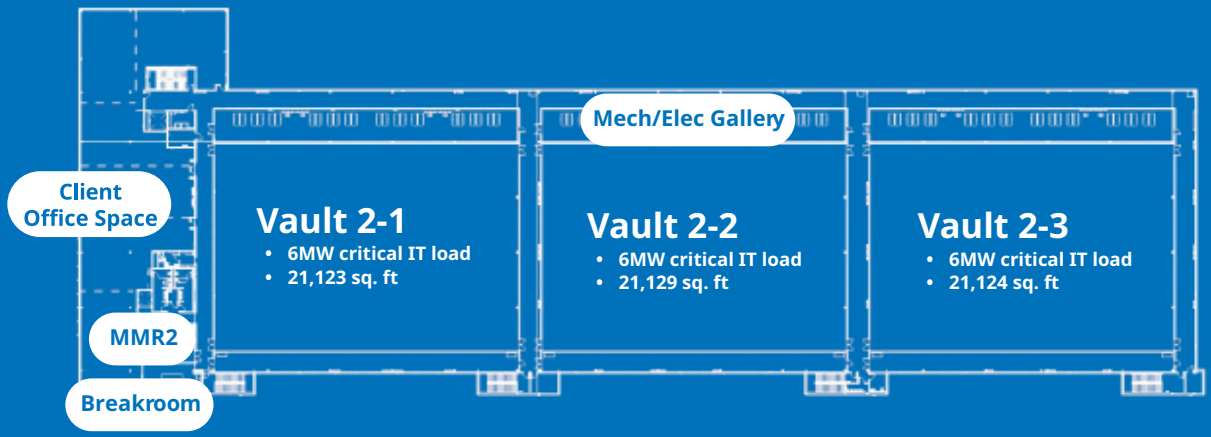
Phoenix PH1 Layout

Floor 1



Floor 2



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