

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



## 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.



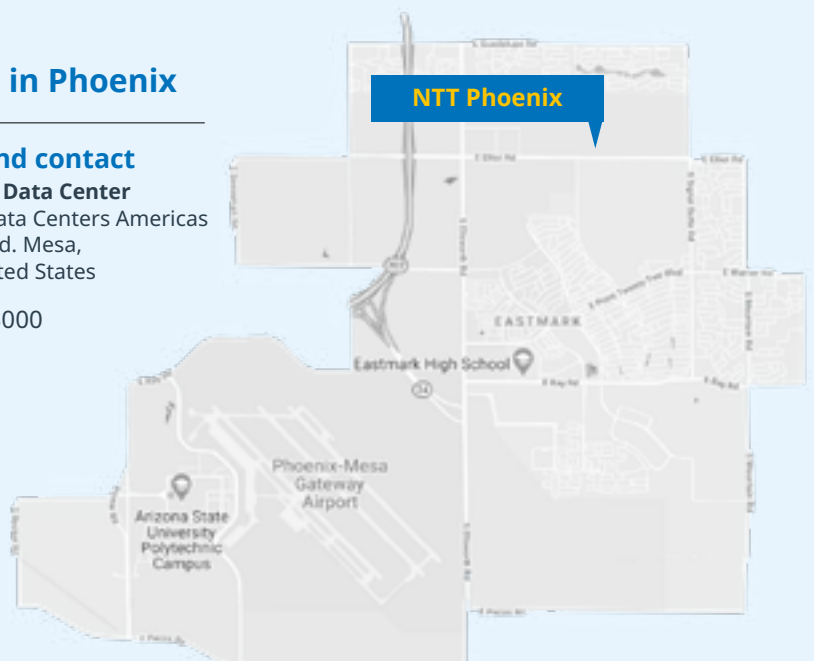
**Client amenities:** PH1 offers several client amenities including conference rooms, hoteling stations, break room, crash carts, rack and server lifts, and free Wi-Fi.

## Location in Phoenix

### Address and contact

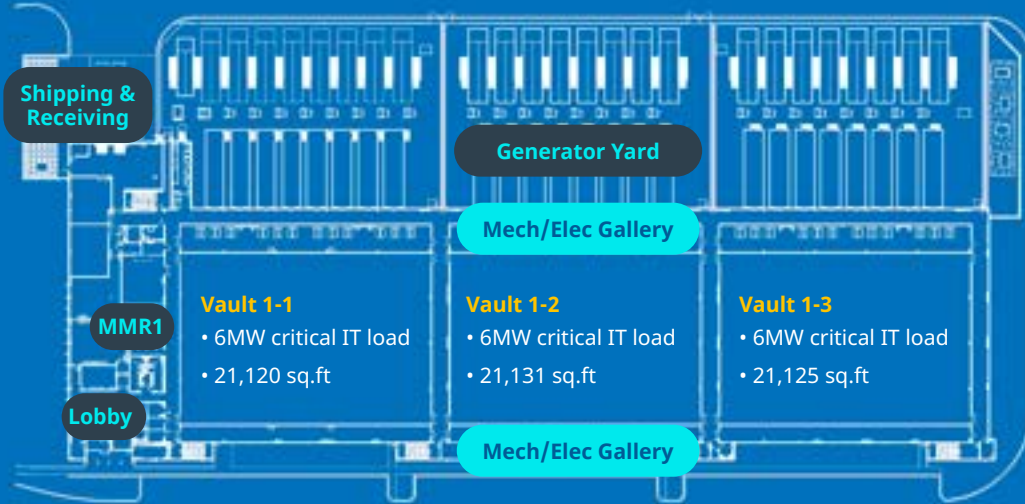
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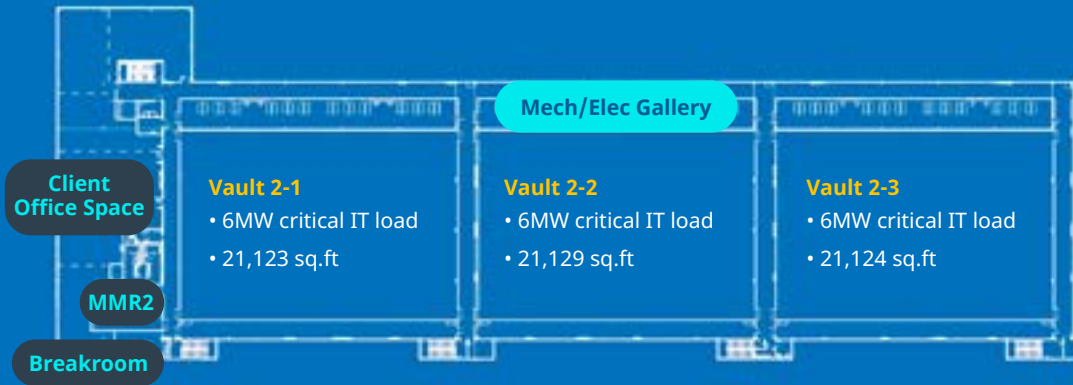


# Phoenix PH1 Layout

## Floor 1



## Floor 2



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