Hillsboro HI1 Data Center

Hillsboro, Oregon is located in the heart of the Pacific Northwest technology hub. **HI1, the first of five data centers** on our 126MW campus, is Cleaner Air Oregon certified and provides easy access to the Asia-Pacific market through our Subsea Connect network service.

### Data center space
- 138,000 sq. ft. data floor space
- Six 6MW vaults
- One-story building
- Class A office space available

### Power
- Total critical IT load: 36MW
- Two (2) 34.5kV feeders, each rated at 60 MVA
- N+1 distributed redundancy for each vault
- Eight (8) x 1MW UPS modules for every 6MW capacity
- Dual-corded power distribution
- Generators with on-site fuel storage to support 24 hours run time at full load with 24x7x365 fuel delivery
- Diverse power distribution to the data vault (A and B feeds)
- 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
- A 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
- Subsea Connect network service
- Network dense with access to many global and regional carriers and ISPs offering dark fiber, wavelength, ethernet, MPLS, VPLS, IP transit, and peering
• Access to multiple leading public, private and hybrid cloud providers
• Directly connected to the ultra-high count fiber ring that joins all major local data centers

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
• Cleaner Air Oregon Certified

Sustainability
• Designed to LEED Gold Standards
• EPA ENERGY STAR

Data center products
• Cabinets
• Customizable cages
• Private suites
• Dedicated vaults
• Build to suit

Subsea Connect:
Your connection from the U.S. to the Asia-Pacific

Solution: We provide the easiest and most flexible “subsea-as-a-service” access to Asia with our Subsea Connect network service. Deployed using NTT’s PC-1 network, our Subsea Connect network service delivers immediate access to the world’s most reliable and lowest-latency trans-Pacific cable system to and from the Asia-Pacific (APAC) market through dedicated 10G or 100G lit fiber connections.

Features and benefits:
• Subsea Connect provides easy turn-up with flexible bandwidth options and contract terms
• High capacity, low latency with the shortest route and lowest latency across the Pacific
• Secure transmission with Point-to-Point dedicated lit fiber connection