Portland–Hillsboro 5 data center



Wholesale high-density design

The latest innovation in AI/ML applications requires cutting-edge data center infrastructure in order to meet business demands. Flexential Hillsboro 5, the latest high-density data center in the market, is built to support today's requirements, providing up to 80+ kW per cabinet and liquid-ready infrastructure.

Hillsboro 5 features 358,000 across two floors with 36 MW. Located on the Flexential data center campus, the most interconnected campus in the Northwest, with subsea cable landings for direct connection to APAC.

Flexential has pioneered the latest innovation to address customers key data center challenges

Flexential ingenuity has created this next generation of data center design to accommodate technology of today and future innovation. Future-proof your infrastructure requirements with scale to grow all facets of your design: network, power, square feet, or cloud/managed services.

Hillsboro 5 is liquid cooling ready containing a chilled water loop that can be tapped for your liquid cooling solution. Built to provide security and privacy with individual data halls that you can call home with office leasing opportunities and other employee features.

Quick facts

- 358,000 square-foot facility
- 36 MW distributed, (4:3) UPS redundancy
- N+1 cooling redundancy
- 100% SLA on power, network, and bandwidth
- Innovative, sustainable design consumes zero water and is highly efficient

Additional features

- Standardized and modular design
- Infrastructure deployments in independent sets of 4.5 MW blocks
- Efficient and sustainable: 1.4 PUE, 0 WUE
- Optimal redundancy 5:4 UPS distributed, redundant
- Up to 80+ kW per cabinet to support AI workloads
- A chilled waterloop can be tapped for liquid cooling solutions

Facility specifications

Power and cooling

- UPS redundancy: 5:4 distributed redundant
- 36 MW critical load UPS capacity
- Supports up to 80 + kW per cabinet
- Liquid cooling ready, high density capable
- N+2 cooling redundancy
- Hot- and cold-aisle configuration
- 100% power SLA
- Target PUE 1.4

24/7 security

- Physical environment, power delivery generator, and diesel fuel infrastructure monitoring
- Round-the-clock security and technical staff
- Dual-factor authentication access
- Biometric scanners
- Four-zone security access
- Monitored security cameras and intercom system
- Cage security cameras available

Compliance

- HITRUST CSF-compliant site
- PCI DSS-compliant site
- Annual, independent audits for SOC 1 Tier Type II, SOC 2 Type II, SOC 3; NIST 800-53; ITAR: SSAE 18
- HITRUST and PCI certification services available
- Regulatory and standards compliance assessment, analysis, consulting, and planning services available

Connectivity

- One unified fabric offering on-demand provisioning of connectivity services
- Connections to strategic carrier hotels
- 400 Gbps network backbone
- Access to a rich ecosystem of carriers, service providers and cloud providers reachable from any data center
- IP transit service built on a blend of premium Tier 1 carriers and including basic DDoS scrubbing protection
- Point-to-point and mesh services available to connect Flexential data centers

Request a Tour

Flexential solutions portfolio

Colocation

Interconnection

Cloud

Data Protection

Professional Services