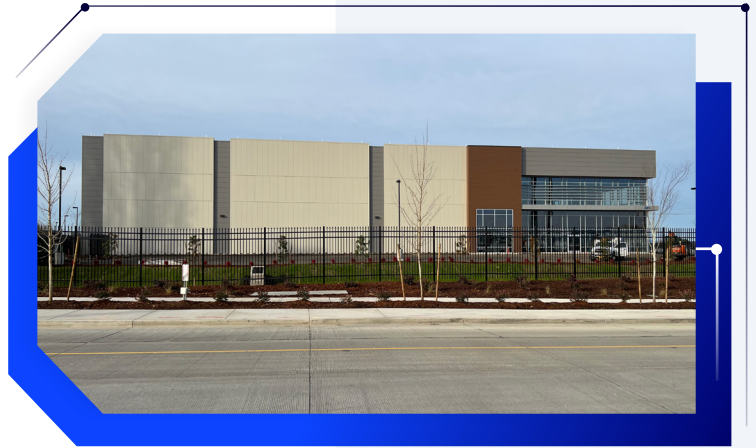# Portland – Hillsboro 5 data center

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 & 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/cold aisle configuration
- 100% power SLA
- Target PUE 1.4

24/7 Security

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

Compliance

- PCI, DDS, and HITRUST CSF compliant
- Annual, independent audits for EU-US Privacy Shield framework; SOC 1 Type II, SOC 2 Type II, SOC 3; HIPAA; ISO 27001; and SSAE 18
- Regulatory and standards compliance assessment, analysis, consulting, and planning services available

Connectivity

- Carrier hotel connectivity
- 100 Gbps network backbone, scalable to 400 Gbps
- 3 Tb total network capacity
- Layer 2 access to 80 on-net carriers
- Carrier-neutral blended and proactively managed and monitored IP bandwidth
- Redundant, automatically rerouted connections ranging from 10 Mbps to 10 Gbps
- Proactive Layer 3 and Layer 4 DDoS protection
- 100% network and bandwidth uptime commitment

Flexential Solutions Portfolio

Colocation

Interconnection

Cloud

Data Protection

Professional Services

Request a Tour