

A nighttime photograph of a cityscape featuring a large bridge over a river. The bridge has a prominent tower structure. The city buildings are lit up, and their lights reflect on the water. The sky is dark with some clouds. A large, semi-transparent blue and white geometric shape is overlaid on the image.

Flexential Oregon tour guide



Portland - Hillsboro 1 data center



With a data center footprint of more than 85,000 square feet, our Portland - Hillsboro 1 data center features N+1 power and cooling redundancy as well as premium connectivity. Flexential is one of few data center providers with a 100 gigabit network backbone -- scalable to 400 Gbps. Additionally, the Portland - Hillsboro 1 data center offers carrier hotel connectivity, Layer 2 access to 80 on-net carriers, proactive Layer 3 and Layer 4 distributed denial of service protection and a 100% network and bandwidth uptime commitment.

Security and compliance support are part of the package. Our Portland - Hillsboro 1 data center is compliant with several industry and regulatory standards, including the HITRUST CSF and PCI DSS. We are among a select few in the industry that can make this claim and provide a certified, protected environment to support your compliance requirements and security needs.

Quick facts

- 85,388-square-foot data center footprint
- 5.30 MW critical load UPS capacity; N+1 UPS redundancy
- N+1 cooling redundancy
- 100% SLA on power, network and bandwidth
- 100 Gbps network backbone, scalable to 400 Gbps
- 5-zone security access

Additional features

- Migration and capacity planning
- Meeting room and dedicated work areas for customer use
- Office lease space available
- Remote hands support available
- Business continuity and disaster recovery services, solutions and support available
- Public, private, hybrid and compliant cloud solutions, as well as cloud recovery and dedicated servers, available
- Professional services including migration, security and risk management, assessments and audits, as well as performance and network architecture support, available

Facility specifications

Power & cooling

- N+1 UPS redundancy
- 5.30 MW critical load UPS capacity
- 300 W/SF power density
- N+1 cooling redundancy
- Hot/cold aisle configuration
- 100% power SLA
- 1.4 PUE rating

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

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
- 4-zone security access
- Monitored security cameras and intercom system
- Cage security cameras available

Connectivity

- One unified fabric offering on-demand provisioning of connectivity services
- Connections to strategic carrier hotels
- 100Gbps 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 I carriers and including basic DDoS scrubbing protection
- Point to point and mesh services available to connect Flexential data centers

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Colocation



Interconnection



Cloud



Data Protection



Professional Services



Portland - Hillsboro 2 data center



Our Generation 4 Portland - Hillsboro 2 data center is purpose-built to accommodate power densities of over 1,500 watts per square foot, with 24-foot ceilings, proprietary and highly efficient cooling units and a pressurized raised floor. It also is among the best connected data centers in the world.

It is the U.S. point of presence for the Bifrost, New Cross Pacific, and Hawaiki transpacific subsea cables that provide direct, low latency connectivity between the United States and the Asia-Pacific region.

Moreover, our network backbone delivers an industry-leading 100 gigabits per second of connectivity, which is scalable to 400 Gbps, as well as carrier hotel connectivity, Layer 2 access to 80 on-net carriers, proactive Layer 3 and Layer 4 distributed denial of service protection and a 100% network and bandwidth uptime commitment.

The Portland - Hillsboro 2 data center also has a cloud node on-site to support your hybrid IT needs.

This site also is certified according to several industry and regulatory standards, including the HITRUST CSF and PCI DSS.

Quick facts

- 242,683-square-foot data center footprint
- 18 MW critical load UPS capacity; Distributed Redundant 4:3 UPS
- N+1 cooling redundancy
- 100% SLA on power, network and bandwidth
- 100 Gbps network backbone, scalable to 400 Gbps
- 5-zone security access

Additional features

- Cloud node on-site
- Migration and capacity planning
- Meeting room and dedicated work areas for customer use
- Office lease space available
- Remote hands support available
- Business continuity and disaster recovery services, solutions and support available
- Public, private, hybrid and compliant cloud solutions, as well as cloud recovery and dedicated servers, available
- Professional services including migration, security and risk management, assessments and audits, as well as performance and network architecture support, available

Facility specifications

Power & cooling

- Distributed Redundant 4:3 UPS
- 18 MW critical load UPS capacity
- 1,500 W/SF power density
- N+1 cooling redundancy
- Hot/cold aisle configuration
- 100% power SLA
- 1.3 PUE rating

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

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
- 5-zone security access
- Monitored security cameras and intercom system
- Cage security cameras available

Connectivity

- One unified fabric offering on-demand provisioning of connectivity services
- Connections to strategic carrier hotels
- 100Gbps 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 I carriers and including basic DDoS scrubbing protection
- Point to point and mesh services available to connect Flexential data centers

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Portland – Hillsboro 3 data center



Supplying highly connected data center solutions in the Portland market, Hillsboro 3 provides 358,000 square feet and 36 MW of data center space. It features industry-leading cooling efficiencies and high-density capabilities with direct connection to several subsea cables, including Bifrost, New Cross Pacific, and Hawaiki.

With the addition of Portland – Hillsboro 3 to the Flexential campus, the data center footprint is now nearly 700,000 sq. ft.

Strategically located within Hillsboro’s Enterprise Zone region, the Flexential Portland data centers provide customers with significant tax benefits in addition to Oregon’s zero percent statewide sales tax.

Portland-Hillsboro 3 is included in the Flexential data center campus cross-connect fiber ring, featuring nine Tier 1 carriers with underground fiber to all major U.S. cities, enabling nominal domestic latency. Flexential has completed a second campus cross-connect fiber ring, which connects 14 existing or planned data centers and provides access to seven transpacific submarine cable systems.

The Flexential Portland-Hillsboro 3 has direct access to the Flexential NAP of the Northwest facility that hosts three high capacity trans-Pacific cables: Bifrost, New Cross Pacific, and Hawaiki which connect Hillsboro and Asia Pacific, including Hawaii, Australia, New Zealand, China, South Korea, Taiwan and Japan. Access to additional trans-Pacific subsea cable destinations are planned for the future.

Quick facts

- 358,000-square-foot data center footprint
- 36 MW critical power capacity
- 20 acres located within the Hillsboro Enterprise Zone
- Highest cooling efficiency design in the region
- High density capabilities
- Commitment to sustainability with a WUE of 0
- Industry leading PUE
- Located on the Flexential data center campus, the most interconnected campus in the NW, with subsea cable landings for direct connection to APAC

Additional features

- Migration and capacity planning
- Meeting room and dedicated work areas for customer use
- Office lease space available
- Remote hands support available
- Business continuity and disaster recovery services, solutions and support available
- Public, private, hybrid and compliant cloud solutions, as well as cloud recovery and dedicated servers, available
- Professional services including migration, security and risk management, assessments and audits, as well as performance and network architecture support, available

Facility specifications

Power & cooling

- Distributed redundant 4:3 UPS system
- Fault tolerant electrical and mechanical systems
- 36 MW critical load UPS capacity
- 1,500 W/SF power density
- N+2 cooling redundancy
- Hot/cold aisle configuration
- 100% power SLA
- Designed for 1.3 PUE

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

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
- 4-zone security access
- Monitored security cameras and intercom system
- Cage security cameras available

Connectivity

- One unified fabric offering on-demand provisioning of connectivity services
- Connections to strategic carrier hotels
- 100Gbps 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 I carriers and including basic DDoS scrubbing protection
- Point to point and mesh services available to connect Flexential data centers

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Portland - Hillsboro 4 data center



Wholesale data center design

The fourth Flexential Data Center in this market, Hillsboro 4 sits on a newly added campus property and is adjacent to the Flexential Hillsboro 3 facility.

Design specifications for a minimum of 1 MW and up to 9 MW:

- Caged POD Design starting at 1 MW with 4 PODS and increments of 500 kW
- Cage sizes start at approximately 2,400 square feet
- Each POD consists of 24 cabinets with Hot Aisle Containment for approx. 250 kW per POD
- Approx. 400 watts per square foot
- Power delivered overhead

With the initial build, Hillsboro 4 adds 138,000 sq. ft. and 18 MW to the Flexential regional footprint. Additional capacity is planned to total 54 MW on this campus to meet and exceed increasing customer demand on the FlexAnywhere® Platform.

Strategically located within Hillsboro’s Enterprise Zone region, Flexential Portland data centers provide customers with significant tax benefits in addition to Oregon’s zero percent sales tax statewide.

The new development will also provide additional ecosystem partners with room for future growth in the Pacific Northwest, delivering access to multiple subsea cables in the Flexential highly connected NAP of the Northwest.

Quick facts

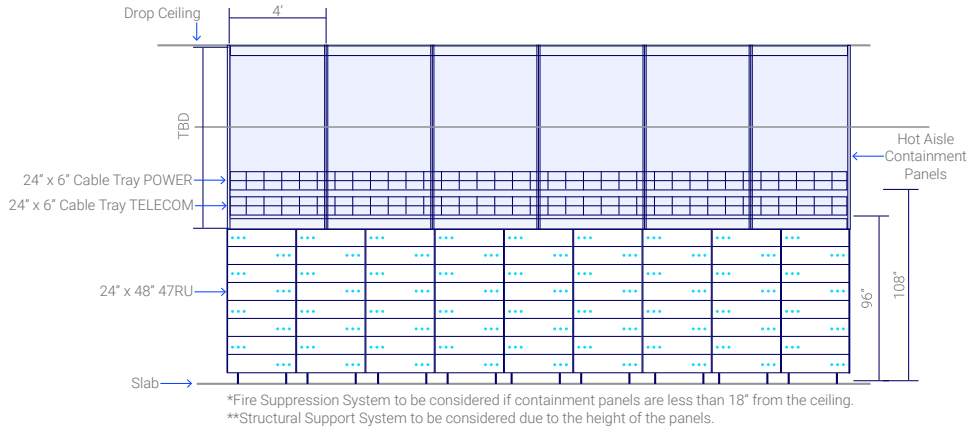
- 18MW of critical power
- 158,000 sq. ft. data center footprint
- N+2 cooling redundancy
- Design PUE of 1.4
- Zero water use (WUE = 0)



Additional features

- Directly connected to the Cloud node at Hillsboro 2
- Migration and capacity planning
- Meeting room and dedicated work areas for customer use
- Office lease space available
- Remote hands support available
- Business continuity and disaster recovery services, solutions and support available
- Public, private, hybrid and compliant cloud solutions, as well as cloud recovery and dedicated servers, available
- Professional services including migration, security and risk management, assessments and audits, as well as performance and network architecture support, available

Facility specifications



Power & cooling

- Distributed redundant UPS systems
- 18 MW critical load UPS capacity
- Support for high-density deployments
- N+2 cooling redundancy
- Hot aisle containment
- 100% power SLA
- Design PUE of 1.4
- Zero water use (WUE = 0)

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

24/7 Security

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

Connectivity

- One unified fabric offering on-demand provisioning of connectivity services
- Connections to strategic carrier hotels
- 100Gbps 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 I carriers and including basic DDoS scrubbing protection
- Point to point and mesh services available to connect Flexential data centers

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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

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

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
- 4-zone security access
- Monitored security cameras and intercom system
- Cage security cameras available

Connectivity

- One unified fabric offering on-demand provisioning of connectivity services
- Connections to strategic carrier hotels
- 100Gbps 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 I carriers and including basic DDoS scrubbing protection
- Point to point and mesh services available to connect Flexential data centers

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Portland - Hillsboro 6 data center



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 6 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.

The data center infrastructure is powered by Portland General Electric (PGE)'s Sunset Reliability Center and benefits from redundant power grid access and priority fuel delivery under the utility's Dispatchable Standby Generation program. For Flexential, Oregon is also a gold-level partner in PGE's Clean Wind program, which guarantees access to a reliable renewable energy source.

Hillsboro and the surrounding "Silicon Forest" offer a mix of infrastructure and economic advantages for data center operators, including a well-established ecosystem of cloud and AI providers and meaningful cost savings driven by Oregon's favorable tax environment. Supported by high-capacity fiber, clean energy options, and enterprise zone incentives, Hillsboro has emerged as one of the most attractive tech and data center growth markets in the U.S.

Quick facts

- 350,000 square-foot facility
- 27 MW distributed
- N+2 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 4:3 UPS distributed, redundant
- Up to 150+ kW per rack
- Chilled waterloop can be tapped for liquid cooling solutions

Facility specifications

Power & cooling

- UPS redundancy:
4:3 distributed redundant
- 27 MW critical load UPS capacity
- Supports up to 150+ kW per cabinet
- Liquid cooling ready,
high density capable
- N+2 cooling redundancy
- Hot/cold aisle configuration
- 100% power SLA
- Target PUE 1.4

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 24/7

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

Connectivity

- One unified fabric offering on-demand provisioning of connectivity services
- Connections to strategic carrier hotels
- 100Gbps 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 I carriers and including basic
DDoS scrubbing protection
- Point to point and mesh services available
to connect Flexential data centers

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