FLEXENTIAL®

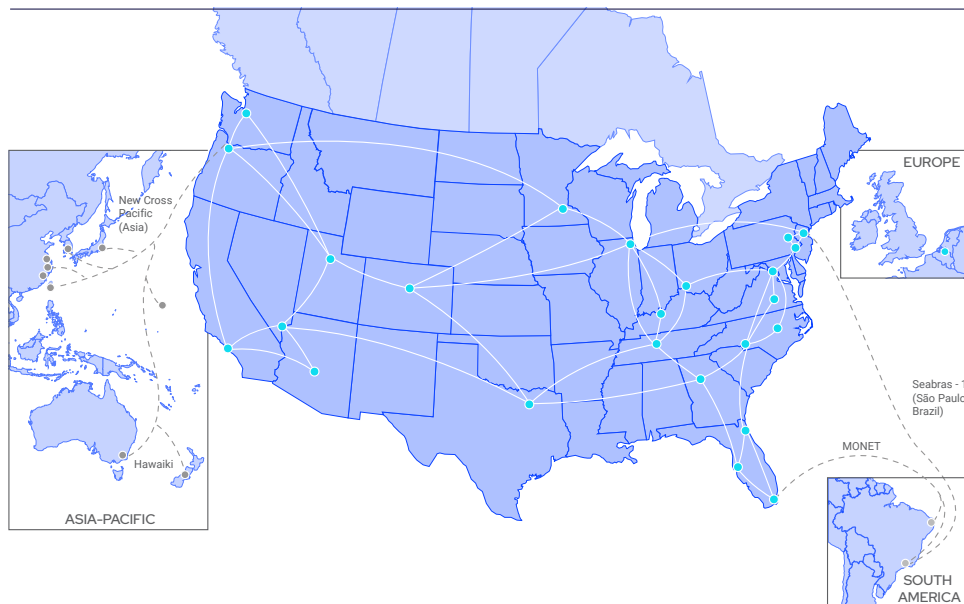# Flexential Oregon tour guide

FLEXENTIAL®

FlexAnywhere™ Platform

Solve complex infrastructure requirements with colocation and cloud solutions tailored to meet your evolving needs.

The intricacy and cost associated with integrating, managing and protecting legacy applications, on-premise and cloud-based environments can be overwhelming. Flexential's consultative approach addresses your specific demands by tailoring our comprehensive colocation, cloud, data protection, managed and professional services portfolio to deliver optimal, long-term performance for your critical applications.

Highly connected, national platform

EUROPE

New Cross Pacific (Asia)

Seabras - 1 (São Paulo-Brazil)

MONET

Hawaiki

ASIA-PACIFIC

SOUTH AMERICA

- ● Colocation | Cloud data centers | DRaaS data centers | Network PoPs | Cloud on ramps | Cloud Fabric
- —— Network backbone   - - - Subsea cables

For an interactive map of our data centers, cloud regions, DRaaS regions, PoPs and cloud on ramps go to flexential.com

ESTABLISHED: **1999**

Broad reach and capabilities

100 Gbps
Network backbone

3 Million+
Sq. ft. footprint

235 MW
Critical load
UPS Capacity

300+
On-net carriers

19
US markets

41
Data centers

Why Flexential?

With 41 data centers across 19 markets, the Flexential highly connected, national data center platform and full suite of colocation, interconnection, cloud, data protection, and professional services, flex to empower our customers' evolving infrastructure requirements.

End-to-end data center solutions portfolio

Colocation

Benefit from secure, highly efficient data centers offering high-density power capabilities and geographic proximity for the utmost control of distributed architectures.

Interconnection

Access hundreds of carriers, hyperscale cloud providers and hybrid IT networks as well as 100 Gbps network backbone to enable your interconnection needs.

Cloud

Solve complex hybrid IT challenges and support long-term business growth by implementing private, public and hybrid cloud solutions.

Data protection

Protect your data, applications and infrastructure from disruptions using disaster recovery solutions as unique as your business requirements.

Professional Services

Accelerate your IT journey through consultative, end-to-end engagements that address the most complex infrastructure, security, and compliance challenges.

You're in good company

FRONTIER   Centura Health   AutoNation
                              Watch Customer Story   HITACHI
                                                      Inspire the Next   tyco

noodles   McAfee   COX   QUESTBLUE
& COMPANY

Flexential Interconnection

Create a powerful ecosystem of clouds, partners and customers with DCI and Interconnection Mesh, IP Bandwidth and Cloud Fabric

Today's IT leader is juggling more complexity than ever before. Concerns over security, latency, performance and cost combined with the reality of supporting an explosion of cloud-based applications, next generation technologies, disconnected systems of compute, storage and databases that do not communicate with one another or provide scalability are common and painful business challenges.

In order to ensure optimal performance and long-term viability, savvy enterprises are shifting to a hybrid IT approach that matches workload and application requirements with the appropriate infrastructure solution. Further success is achieved by moving workloads closer to users to reduce latency and provide a consistent customer experience.

To optimize this hybrid approach, you need a partner with the physical infrastructure and connectivity options to seamlessly support today's requirements, the flexibility to accommodate future growth and the expertise to integrate, manage and protect your legacy applications, on-premise, colocated and cloud-based environments.

Flexential Interconnection delivers scalable, industry-leading interconnection options through the combination of Data Center Interconnect (DCI) and Interconnection Mesh, IP Bandwidth and Cloud Fabric to create an ecosystem that delivers secure and reliable connectivity options.

Optimize your corporate network

Leverage Flexential Interconnection to connect with cloud and software-as-a-service (SaaS) providers, customers and partners, while increasing performance and reducing latency. Providing a distributed network approach allows businesses to access the breadth of Flexential's portfolio of services including data protection and managed services.

DCI and Interconnection Mesh - Flexential's flexible transport solutions, including Data Center Interconnect (DCI) and Interconnection Mesh enable connectivity between data centers on Flexential's 100Gbps backbone, connecting you to CSPs, peering exchanges, carriers and partners.

Cloud Fabric - Flexential's Cloud Fabric solution provides a secure, Layer 2 private network transport to AWS, Azure, Google and Oracle via a single port connection managed through the Cloud Fabric Portal.

IP Bandwidth - Scalable from 10 Mbps up to 40 Gbps across all Flexential locations—and up to 100 Gbps at select sites—our IP bandwidth service enables you to seamlessly manage peak traffic and workload demands.

- Reduce latency and improve performance by distributing workloads and bringing applications closer to the user
- Modernize your network through technology enablement
- Scalable data center footprints and connectivity
- Private, secure and reliable connectivity from the local edge to the cloud (and everything in between)
- Optimize costs by placing data adjacent to the compute resources for faster more efficient workload processing
- Simple to build, scale and deploy additional locations, capacity and services through an ecosystem of space, services and interconnection designed to work together seamlessly

"To create a scalable, agile infrastructure, Infrastructure and Operations leaders will require an ecosystem of service partners."

Source: Your Data Center May Not be Dead, but it's Morphing, Gartner
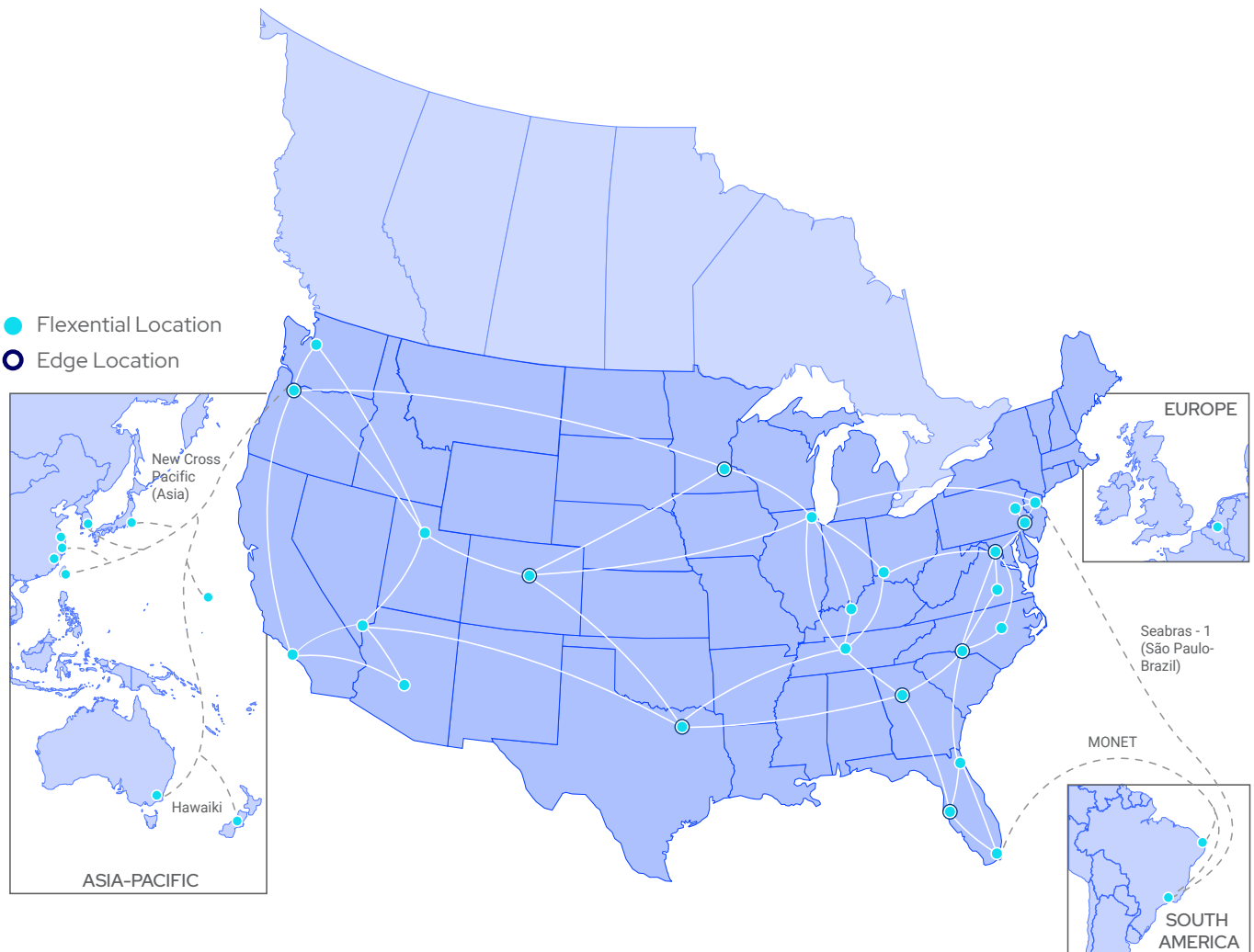
Connect anywhere

The centerpiece of Flexential Interconnection is our high-speed, private, secure network backbone. Our backbone is built to connect all of the data centers in our portfolio as well as strategic carrier hotels. This means that once your data is on our network, it's on a private dedicated path to its destination. Your data does not ride over the internet. This provides security and increased performance because the packets aren't sharing space with unrelated traffic such as social media, streaming content and malicious internet traffic. Flexential Interconnection is fast, simple and secure.

Position workloads and data where they're needed

The growth of enterprise network-based applications, the Internet of Things and Big Data are driving the next technological evolution. As the amount of data generated through these technologies increases exponentially, your connectivity and infrastructure needs will continue to change. Flexential Interconnection provides the flexibility to dynamically adjust your IT infrastructure by delivering the tools to move data and compute to the edge, easily integrate new technologies and elastically adjust capacity.

Flexential Interconnection
ACCESS POINTS

● Flexential Location
○ Edge Location

New Cross Pacific (Asia)

Hawaiki

ASIA-PACIFIC

EUROPE

Seabras - 1 (São Paulo-Brazil)

MONET

SOUTH AMERICA

For an interactive map of our data centers, cloud regions, DRaaS regions, PoPs and cloud on ramps go to flexential.com.

Working with a high-quality partner enhances the integrity of our offerings and enables us to better deliver affordable and fast connections to our customers, whether they are on the ground, in the air or at sea."

Jim Elliot
VICE PRESIDENT, TECHNICAL OPERATIONS
Viasat

Flexential is leading the way with rich, secure and broad connectivity to enable your success.

That's why you need Flexential Interconnection.

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

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

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

- 100Gbps redundant network backbone
- Physically redundant access and path to every Flexential building
- Logical MPLS overlay for flexible transport and automatic path failover
- Nationwide IP transit blend using 3 Tier I ISPs peered in 9 diverse metro areas
- Automated and portal-driven cross-connection
- IP bandwidth and transit services ranging from 10Mbps to 40Gbps with volumetric DDoS protection
- Flexible transport solutions including Data Center Interconnect (P2P pseudowire) and Interconnection Mesh (E-LAN)
- Platform-enabled virtual connections to leading public clouds with Cloud Fabric

Request a tour

Flexential solutions portfolio

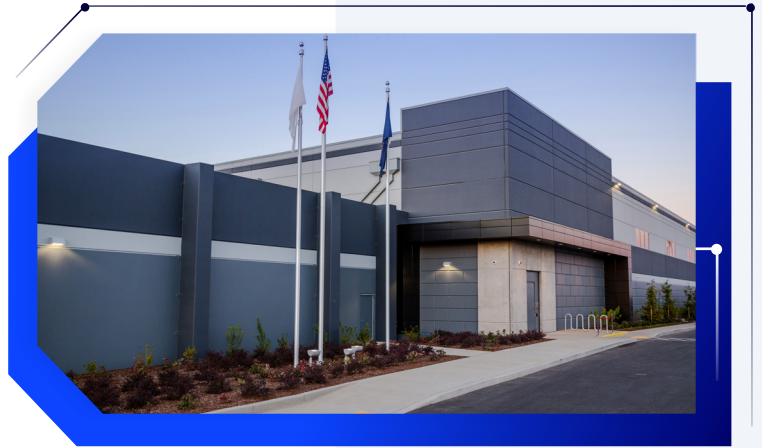Colocation

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 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

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

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

- 100Gbps redundant network backbone
- Physically redundant access and path to every Flexential building
- Logical MPLS overlay for flexible transport and automatic path failover
- Nationwide IP transit blend using 3 Tier I ISPs peered in 9 diverse metro areas
- Automated and portal-driven cross-connection
- IP bandwidth and transit services ranging from 10Mbps to 40Gbps with volumetric DDoS protection
- Flexible transport solutions including Data Center Interconnect (P2P pseudowire) and Interconnection Mesh (E-LAN)
- Platform-enabled virtual connections to leading public clouds with Cloud Fabric

Request a tour

Flexential solutions portfolio

Colocation

Interconnection

Cloud

Data Protection

Professional Services

![Flexential logo]

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 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, Flexential's 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 Flexential's 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.

Flexential's Portland-Hillsboro 3 has direct access to Flexential's NAP of the Northwest facility that hosts two high capacity trans-Pacific cables: 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
- 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
- High density capabilities

Additional features

- Cloud node on-site
- Migration and capacity planning
- Meeting room and dedicated work areas for customer use
- 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

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
- Cage security cameras available

Compliance

- HITRUST CSF compliant site
- PCI DDS 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

- 100Gbps redundant network backbone
- Physically redundant access and path to every Flexential building
- Logical MPLS overlay for flexible transport and automatic path failover
- Nationwide IP transit blend using 3 Tier I ISPs peered in 9 diverse metro areas
- Automated and portal-driven cross-connection
- IP bandwidth and transit services ranging from 10Mbps to 40Gbps with volumetric DDoS protection
- Flexible transport solutions including Data Center Interconnect (P2P pseudowire) and Interconnection Mesh (E-LAN)
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Flexential solutions portfolio

Colocation

Interconnection

Cloud

Data Protection

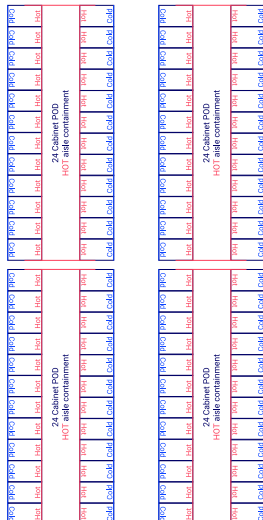Professional Services

Request a tour

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 Flexential's 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 Flexential's 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's Portland data centers provide customers with significant tax benefits in addition to Oregon's zero percent sales tax statewide.
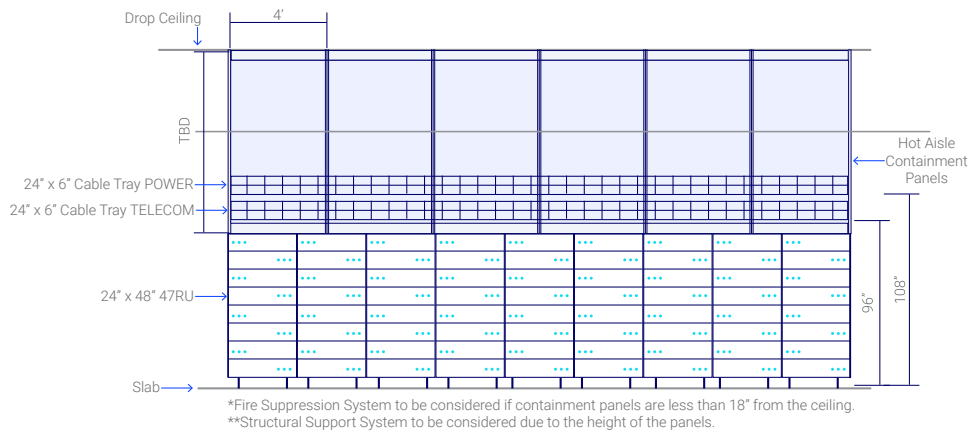
The new development will also provide additional ecosystem partners with room for future growth in the Pacific Northwest, delivering access to multiple subsea cables in Flexential's highly connected NAP of the Northwest.

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
- Remote hands support
- Business continuity and disaster recovery services
- Dedicated, private suite options
- Professional services including security and risk management, assessments and audits, as well as performance and network architecture and support available

*Fire Suppression System to be considered if containment panels are less than 18" from the ceiling.
**Structural Support System to be considered due to the height of the panels.

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)

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

Compliance

- HITRUST CSF compliant
- PCI DDS compliant
- Annual, independent audits for SOC 1 Tier Type II, SCO 2 Type II, SOCO 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

- 100Gbps redundant network backbone
- 3 Tb network capacity
- Layer 2 access to 370 on-net carriers
- Carrier-neutral blended and proactively managed and monitored, IP bandwidth
- Redundant, automatically rerouted connections ranging from 10 Mbps to 40 Gbps
- Proactive Layer 3 and Layer 4 DDoS protection

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