Conceptual rendering of initial 50 MW data center (Phase 1)

Portland DC Campus

The Portland metro area is one of the world's fastest growing data center markets. Crane's 100+ MW site is strategically located in Forest Grove, Oregon proximate to the Hillsboro ecosystem with multiple fiber paths, recycled water for cooling, and an onsite substation connected to the transmission grid providing access to low-cost renewable energy.

Large 100+ MW campus
Large 35 acre site enables clients to scale over time. Phase 1 data center: 50 MW, ~300,000 sq. ft.

Recycled water for cooling
Partnership with neighboring water treatment facility enables access to recycled water for cooling.

Low-cost renewable power
100% renewable power sourced through the wholesale energy market.

Onsite substation
New onsite substation will provide highly reliable power served by redundant transmission feeds.

Strategic location
Strategic Forest Grove location with low latency to Hillsboro (~8 miles).

Innovative design
State-of-the-art data centers designed using innovative technologies and sustainable materials

Interested in learning more about our Portland campus?

Contact us at sales@cranedc.com or visit us at cranedc.com.

Portland DC Site Specifications

Data center
- Phase 1: 50 MW of 100+ MW campus
- ~300,000 sq ft IT space / two story
- 30 ft clear height
- Floor loading: 400+ lbs per sq ft

Spaces available
- Powered shell / private suites (1+ MW)
- Rooftop / storage / staging / office
- 100% uptime SLA
- Customized space fit-out
- Flexible cooling solutions (air/ chilled water/ immersion)

Network
- Multiple providers of internet-services, private-lines, and dark fiber
- Diverse site POEs, building MDF, halls IDFs
- Two diverse managed MMRs

Power utilities
- Onsite 115kV substation: 2N feeds into BPA's transmission grid
- Distribution power feeds for initial energization and power diversity

Backup power
- Gen-sets w/ HVO fuel - N+1 config, 72+hrs backup
- UPS high efficiency - N+1 config

Remote hands / security
- 24x7x365 remote hands and security
- Perimeter fence, key cards, biometric scanners, and controlled site access
- Multiple people-trap entries, perimeter and interior video recording

IT space cooling
- On-slab racks, flexible cooling capabilities
- Cooling: 150 W to 500+ W per sq ft (dependent on customer cooling solution deployed)
- Air chillers / chilled water on floor / immersion cooling capable
- ASHRAE 9.9 conformance, class level pending customer requirements

Site cooling
- PUE: Less than 1.3 (yearly average)
- Recycled water and free-air cooling
- Redundant chilled water loop systems

Elevators
- Multiple freight elevators
- Multiple passenger elevators

Loading
- Multiple loading docks with height adjustable ramps, and ample material staging

crane