

Andover, MA data center



Navisite data centers

- **Andover, MA**
- New York City, NY
- Oak Brook, IL
- Redhill, UK
- Santa Clara, CA
- Syracuse, NY
- Woking, UK

Floor space

- Approximately 52,000 square feet of raised floor space.
- Slab-on-grade (concrete) floor with remote water detection monitoring.
- No water running above the data center.
- SSAE 18 SOC 1 standardized.
- 19" cabinets - 24"W x 37"D x 84"H, lockable, 19" mounting rails.
- 23" cabinets - 30"W x 37"D x 84"H, lockable, 23" mounting rails.
- 42" APC Netshelter cabinets.
- Cages - locking cage space in 100, 120 and 150 sq ft increments, custom space available for larger applications.

Roof space

- 3,000 square feet available (no charge).
- Distance to Roof (ft.) / Restrictions: 125 ft.
- Select roof rights - ability to place point-to point microwave link systems and other antennae systems on roof of the facility.

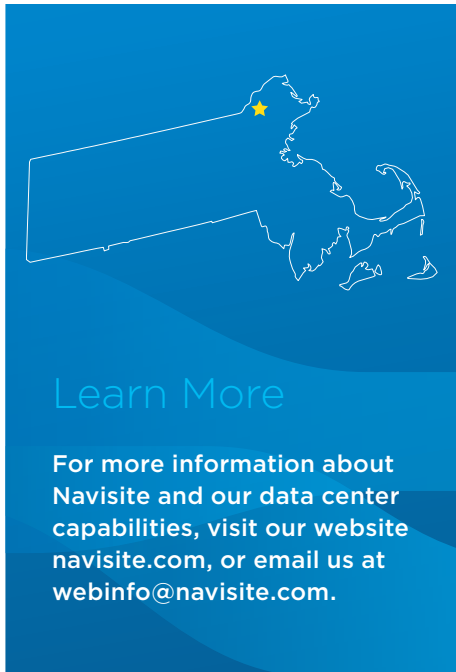
Power

- Utility Power (kVA): 3 x 2,500kVA.
- Backup UPS Capacity (kW): 3,450 (Two Eaton Powerware UPS Systems: a Five, 675 KW-module UPS & a Five, 250-KW module UPS.).
- Power Generation Capacity (kW): 6,000.
- DC Power Available: No.
- AC power installed to order.
- N+1 redundancy in power systems.

- AC Power plant with battery and generator backup.
- Three 2,500 kva power feeds from grid, with redundant transformers.
- Two UPS systems both parallel redundant, double conversion.
- Four 2-megawatt diesel generators, Navisite®-owned, UL listed, double walled for extra security, with a 15,000 gallon above ground fuel tank and skid mounted belly tanks each with 3,500 gallon capacity.
- Total of 29,000 gallons of diesel fuel onsite and estimated run time of 90 hours without refueling. Generators can be refueled while running. Gens equipped with double fuel filter with bypass.
- Diesel generators enable "wraparound" capabilities. Running

TELCO

- Two 10-Gig circuits that enter the facility from diverse locations, all encased in a concrete covered conduit.
- Navisite has its own IP address space and autonomous system number, and is running Border Gateway Protocol with full Internet table routes to ensure dynamic rerouting of data if any links are interrupted.
- Private line and frame relay services also available.
- Redundant Cisco 7609-S core routers.
- Multiple pairs of Cisco 6509s for distribution routers.



Environment and cooling

- Full data-grade HVAC system with N+1 redundancy in three 370-ton water cooled chillers plus one 400-ton Air cooled backup, glycol/ chilled water pumps, forty-two 30-ton Liebert air conditioning units, and 3 cooling loops.
- 740 tons of cooling active.
- 72 degree ambient air temperature (+/- 2°).
- 45% humidity (+/- 5%) monitoring.
- Client IT infrastructure monitored by two redundant Navisite Service Centers (NSC) (Andover and India), staffed 7x24x365.
- We have NSC, facilities and Data Center Services personnel on site 7x24x365.
- Extensive array of monitoring tools, including leading commercially available tools and Navisite proprietary tools.
- Technology agnostic (can receive events from a variety of sources, including agent- based and agentless, SNMP, MIB, MIB2, OpenView, etc.).

- Client has the ability to use NaviView management portal to view both event and performance data.
- Facilities monitoring on all critical electrical components and HVAC.
- Monitoring and logging on card access system, logs reviewed monthly (per audit).

Fire detection and control system

- Early-warning VESDA fire detection system.
- Smoke and high temperature detectors.
- Detection system has a direct connection to the Andover Fire Department
- FM200 gas Fire suppression System
- Dry-pipe, pre-action, double interlock fire suppression system with a Pre- Action Sprinkler backup system.
- Johnson Controls Metasys Building Management Systems for monitoring of power and HVAC.

Security

- Mandatory visitor registration and visitor escorts, as well as mandatory employee badge access.
- Single authentication required for access to the building.
- Dual authentication required for access to the data center.
- Bio-scan fingerprint reader.
- 7x24x365 video surveillance/ recording inside and outside the building.
- Generator sized to run entire site at full load for 90 hours minimum.
- Building is locked down 7x24x365.
- Offices and common areas are isolated from the data center.
- 7x24x365 on-site, in-house security staff.

- Northern Pro-Watch for monitoring security.
- Edwards Systems Technology for monitoring fire.

On-network carriers

- AT&T
- Comcast
- Lighttower (Sidera & Verosity)
- Charter Communications / Spectrum Enterprise
- Verizon Business
- Zayo (Abovenet)

About Navisite

Navisite, Inc., a part of Spectrum Enterprise, is a leading international provider of enterprise- class, cloud-enabled hosting, managed applications and services. Navisite provides a full suite of reliable and scalable managed services, including Application, Cloud Desktop, Cloud Infrastructure and Hosting services for organizations looking to outsource IT infrastructures to help lower their capital and operational costs. Enterprise customers depend on Navisite for customized solutions, delivered through an international footprint of state-of-the-art data centers. For more information about Navisite's services, please visit navisite.com or navisite.co.uk.