

Stream Data Centers - Houston I

HIGH-PERFORMANCE DATA CENTER | THE WOODLANDS, TX



Free-Standing, Data Center Designed to Tier III Standards
74,901 total SF with 30,000 SF data hall space
Designed to support 7.8 MW of 2N critical load

HIGHLIGHTS:

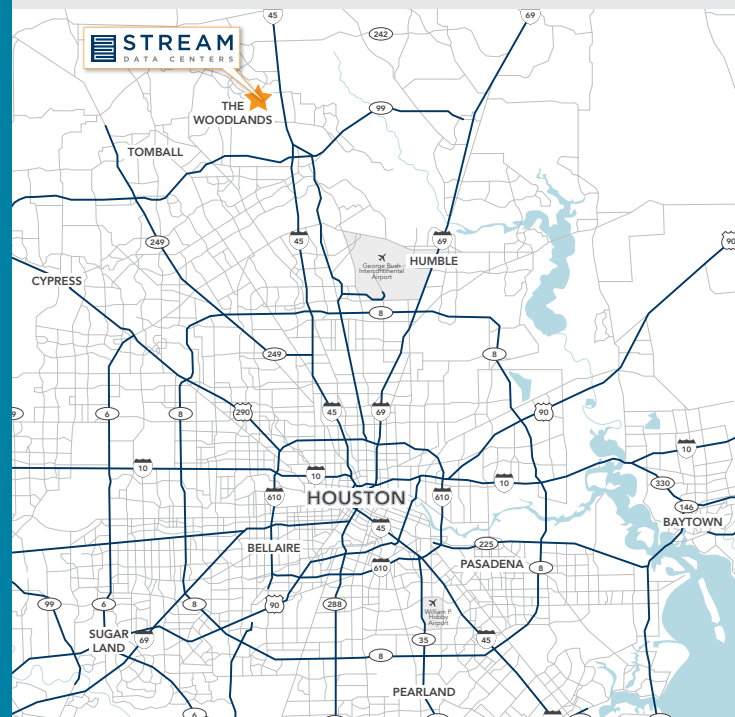
The Woodlands is home to numerous Fortune 500 companies, and offers a master-planned office community, with no proximity to industrial uses, rail lines or flight paths. The area is one of the only controlled-development business parks in all of Houston, and is located 30 miles north of Downtown, and more than 75 miles from the Gulf Coast.

Located in this optimum Houston-metro location, Stream's Houston I facility provides a secure location, highly resilient infrastructure, ample connectivity options and a concierge approach to customer service.

- Located conveniently, just 28 miles from George Bush Intercontinental Airport and in convenient proximity to popular nearby restaurants and hotels in The Woodlands
- Designed to withstand 185 mph winds and uplift
- Three (3) independent Private Data Center™ Suites, each with 10,000 SF of data hall space
- (2) Utility feeds from (2) substations
- Disaster recovery office space backed by 2N generators
- Outside of the 500-year FEMA flood plain
- Retail colocation suites available

HIGH PERFORMANCE BENEFITS:

- Densities above 30 kW per cabinet
- Ability to support water to the rack
- Predesigned to integrate with HPC requirements and support supercomputer deployments
- Resilient site location, far from natural disaster zones





In 2017, during the 1,000-year rain and flooding event of Hurricane Harvey, this data center remained completely accessible, available, and resilient during the entire storm – and thereafter. The facility’s resiliency was proven out in a storm that remains unprecedented in scale.

BUILDING / SITE

- 74,901 SF facility with (3) 10,000 SF data hall space
- Ground up development in master planned business park
- 185 mph wind-rated building and equipment yard
- Outside of FEMA’s 500-year floodplain, the facility remained high and dry throughout the 1,000-year storm of Hurricane Harvey

POWER

- (2) utility feeds from (2) substations
- 2N distribution from utility all the way to the IT environment
- Designed to support 7.8 MW of 2N critical load
- Ability to support high density environments
- Power distribution via overhead busway or remote power panels (RPPs)

COOLING

- 36” raised-floor
- High efficiency air cooled chillers
- N+1 topology allowing for concurrent maintainability
- Remotely placed temperature and humidity sensors provide realtime feedback to cooling system
- Depressed slab with underfloor trenching keeps chilled water piping away from IT environment
- Chilled water available for inrow and inrack cooling solutions

SECURITY

- 100 ft setbacks from property line to data halls
- Secured perimeter fence with K4 rated entrances
- Biometric authentication required to enter data halls
- Security staffing in place 7 x 24 x 365
- Video surveillance and access control data retained for a minimum of 90 days

CONNECTIVITY

- ATT
- Consolidated Communications
- Comcast
- FiberNet Direct
- ICTX
- Level 3
- Pre-designed dark fiber ring connecting the building to strategic carrier locations throughout the Houston metro

FIRE PROTECTION

- VESDA in electrical rooms and data halls
- Pre-action throughout building
- Data halls and critical support spaces are on independent systems

CERTIFICATIONS AND COMPLIANCE

- SOC 1/Type 1, SOC 2/Type 2, PCI DSS, LEED Silver

