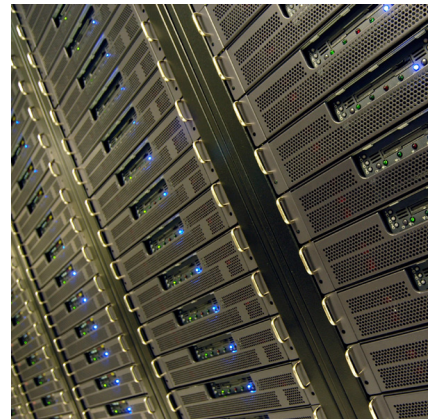
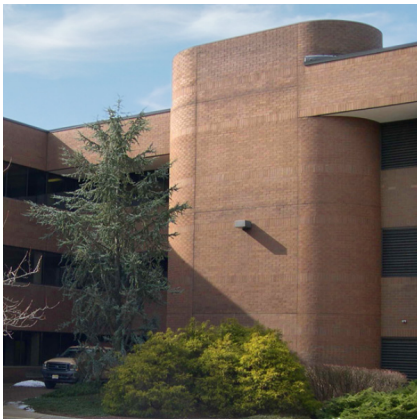


DATA CENTERS



Technical Excellence. Practical Experience. Client Responsiveness.

CONTACT

HEADQUARTERS

Parsippany, New Jersey  
300 Kimball Drive, 4th Floor  
Parsippany, NJ 07054  
973.560.4900  
973.560.4901

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## BLUESTONE DATA CENTER

Location: Shelton, CT  
Client: USB  
Architect: Corgan Associates  
Partner: Severud Associates, Cuminiotto, Inc.  
Services: Site/Civil, Geotechnical

### OVERVIEW

Langan was retained by UBS to provide geotechnical and site/civil engineering services for the Bluestone Data Center during purchase, design and construction phases. The first phase of services involved performing a due diligence study of the property in relation to subsurface conditions, topography and available utilities. The second phase of services included overseeing the developer and his design/build team that were responsible for site development and building the core and shell of the data center. Langan reviewed site/civil plans, geotechnical reports and permits, provided design recommendations and attended project review meetings.

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## CSC NORWICH DATA CENTER

Location: Norwich, CT  
Client: Computer Sciences Corporation  
Services: Site/Civil, Geotechnical, Traditional Surveying, Landscape  
Architecture

### OVERVIEW

Langan supported the expansion of the existing Computer Sciences Corporation data center along with the construction of a large enclosed equipment yard. A critical component of the design was to allow for the existing facility to remain operational during construction of the proposed improvements.

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## JP MORGAN CHASE DATA CENTER

Location: Carlstadt, NJ  
Client: Highland Associates  
Partner: Thornton Tomasetti  
Services: Site/Civil, Geotechnical, Earthquake/Seismic, Traditional  
Surveying

### OVERVIEW

Langan provided complete geotechnical, site/civil, and survey services for this data center, which consisted of renovating an existing 90,000-square-foot, two-story office building; constructing a new 40,000-square-foot building addition; and installing underground water storage tanks, back-up generators, and above-grade electrical substations.

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## DIGITAL REALTY DATA CENTER

Location: Piscataway, NJ  
Client: Highland Associates  
Partner: Thornton Tomasetti  
Services: Geotechnical

### OVERVIEW

Langan performed geotechnical services during design and construction phases for converting a three-story 95,000-square-foot office building into a data center. After an extensive review and a tailored subsurface investigation, Langan concluded that the existing footings had adequate bearing capacity to support the additional loads imposed by the proposed renovation, which resulted in no required upgrades to the foundations and a significant cost savings to the project.

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## EQUINIX DATA CENTERS

Location: San Jose, CA  
 Client: Equinix, Inc., J.T. Magen & Company Inc.  
 Services: Site/Civil, Geotechnical, Environmental

### OVERVIEW

Langan is providing multidiscipline services during construction of the Equinix SV10 development, a multi-phased project consisting of two data centers on the 11.5-acre site. The new data center buildings will house computer servers and supporting equipment for private clients, as well as associated office uses, in environmentally controlled structures.

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