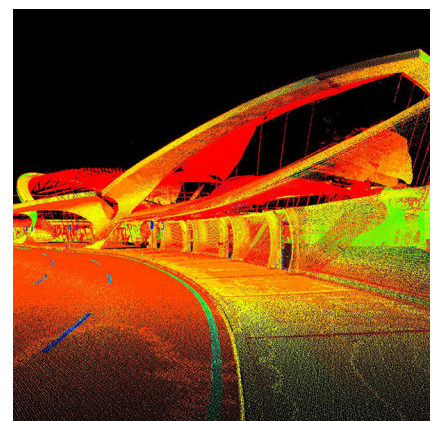


PROJECT SPOTLIGHT TOUR: LANGAN LEADER, NOVEMBER 2017



Technical Excellence. Practical Experience. Client Responsiveness.

Learn more about Langan's involvement in our featured projects.

Distribution Facility - Middletown, CT

Ironside Newark - Newark, NJ

Kapor Center Seismic Upgrade - Oakland, CA

CoreSite VA3 Data Center - Reston, VA

TWA Flight Center Mobile LiDAR Collection and Mapping - Jamaica, NY

Museum Towers II - Philadelphia, PA

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DISTRIBUTION FACILITY

Location: Middletown, CT
Client: Confidential
Services: Environmental,

OVERVIEW

Langan is providing environmental engineering services to support the construction of a ±500,000-SF distribution facility that is being built on a 260-acre property. Our environmental services have included Phase I & II investigations, substantial soil & waste characterization programs, remedial excavation oversight, underground storage tank closures, and third-party Licensed Environmental Professional oversight. Langan is also providing construction administration and environmental monitoring as needed during excavation, which to-date has involved the export of over 100,000 cubic yards of soil.

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IRONSIDE NEWARK

Location: Newark, NJ
Client: Edison Properties, LLC
Services: Site/Civil, Environmental, Traditional Surveying,

OVERVIEW

Langan provided survey, site/civil, and environmental engineering services as part of Edison's redevelopment of various land parcels adjacent to the Prudential Center. The redevelopment is to include retail, office, and residential uses as well as a new park, called Mulberry Commons, which will link downtown Newark to Penn Station and the Ironbound.

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KAPOR CENTER SEISMIC UPGRADE

Location: Oakland, California
Client: Dudley Franklin, LLC
Architect: Fougeron Architecture
Partner: BuroHappold Structural Engineering
Services: Earthquake/Seismic, Geotechnical, Environmental,

OVERVIEW

The Kapor Center is a 3-story Chicago-style curbed building with a basement. Built in the 1920s, the building had been vacant for over a decade when the Kapor Center, a technology and social impact nonprofit, selected it for its headquarters. The building was gutted to improve the infrastructure through seismic retrofitting. Now completed, the LEED Gold-certified building offers a ground-level restaurant and shared meeting space, a rooftop reception area with a modern-style dome, a 100-seat auditorium, and conference rooms. Langan performed geotechnical engineering analysis and provided recommendations for the proposed seismic strengthening scheme. Our team also completed a Phase I Environmental Site Assessment (ESA) for the property

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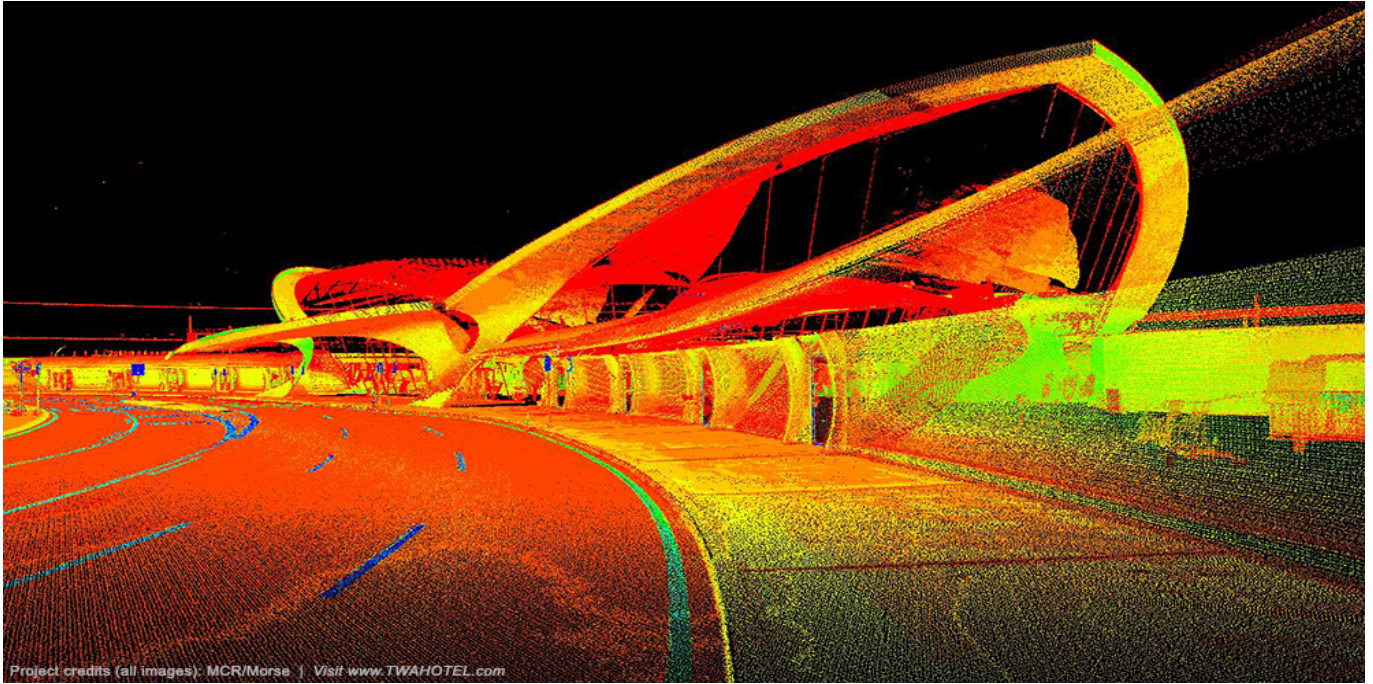
CORESITe VA3 DATA CENTER

Location: Reston, VA
Client: CoreSite
Architect: NORR
Services: Site/Civil, Geotechnical, Environmental, Surveying/Geospatial,
Landscape Architecture,

OVERVIEW

This proposed technology park will convert a 21.75-acre site consisting of four existing buildings totaling 315,000 SF from office to data center purposes. For the site/civil scope of the project, Langan will finalize the proposed layout, per Fairfax County, Fairfax Water and Virginia Department of Transportation (VDOT) requirements, Virginia Department of Environmental Quality (DEQ) regulations, and client specifications. Langan is also providing geotechnical and environmental engineering support. The geotechnical scope includes a subsurface investigation, preparation of a geotechnical report and technical specifications, and design-phase services. The environmental scope consists of a due diligence hazardous materials assessment and a Phase I ESA that Langan already completed for the site. Additionally, we are providing landscape architecture and surveying services.

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Project credits (all images): MCR/Morse | Visit www.TWAHOTEL.com

TWA FLIGHT CENTER MOBILE LIDAR COLLECTION AND MAPPING

Location: Jamaica, NY
Client: The Port Authority of New York & New Jersey
Partner: University of Central Florida Institute for Simulation & Training,
ChronoPoints
Services: Terrestrial Scanning/BIM, Mobile Mapping/UAS Mapping,

OVERVIEW

Langan provided mobile LiDAR data collection, feature extraction, and mapping services for the TWA Historic Flight Center at JFK Airport, New York for MCR Development. Langan deployed its Pegasus Mobile Mapping System within JFK Airport and collected integrated video logging and LiDAR data for the project area. Langan brought the LiDAR point clouds into Leica's Map Factory and Certainty 3D's TopoDOT products to extract roadway and vertical features. The list of extracted features included signs, posts, signals, hydrants, valves, manholes, curb, sidewalk, pavement markings, centerlines, poles, overhead wires, building footprints, and storm grates.

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MUSEUM TOWERS II

Location: Philadelphia, PA

Client: Forest City Residential

Services: Geotechnical, Traffic & Transportation, Environmental,
Traditional Surveying,

OVERVIEW

Langan provided geotechnical, traffic and environmental engineering, survey and construction oversight services for the development of this new, 16-story apartment building with 270 units - a 434,000 SF expansion to the existing Museum Towers apartment building located in the Logan Square neighborhood of Philadelphia. The new construction also included a four level parking garage and two rows of townhome structures in addition to improvements to the neighboring Matthais Baldwin Park and signalization upgrades at the two intersections along Spring Garden Street.

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