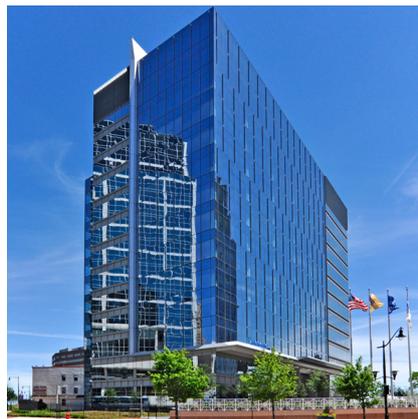


LANGAN QUALIFICATIONS



Technical Excellence. Practical Experience. Client Responsiveness.



GOYA FOODS HEADQUARTERS

Location: Jersey City, NJ
Client: Goya 75th Urban Renewal Co., LLC
Partner: Rockefeller Development Group, RC Andersen
Services: Site/Civil, Geotechnical, Traffic & Transportation, Traditional Surveying, Landscape Architecture, Natural Resources & Permitting,

OVERVIEW

The new headquarters consists of an approximately 615,000-SF warehouse on a 40-acre site. Langan provided site/civil, geotechnical, surveying, traffic engineering, landscape architecture, and natural resources permitting services. Our multi-disciplined approach greatly simplified a complex development process, thereby bringing great value to Goya. Additionally, Langan recommended a concrete modulus column subgrade improvement program, which was designed to support a high slab loading with a minimal settlement tolerance. This solution saved approximately \$8 million as compared to a standard deep pile foundation.

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PORSCHE NORTHEAST REGIONAL SUPPORT CENTER

Location: Palmer Township, PA
Client: IDI, Inc.
Services: Site/Civil, Traffic & Transportation, Landscape Architecture,
Traditional Surveying,

OVERVIEW

The first project within the Charles Chrin Commerce Center challenged Langan to implement sustainable design and construction strategies in order to achieve a LEED Gold certification.

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PANASONIC NORTH AMERICAN HEADQUARTERS

Location: Newark, NJ
Client: SJP Properties, Matrix Development
Architect: Gensler, HLW
Services: Site/Civil, Geotechnical, Traffic & Transportation, Natural Resources & Permitting, Landscape Architecture, Traditional Surveying,

OVERVIEW

This 12-story, 340,000-SF high-end office building occupies a portion of a former below-grade parking structure. Langan's services included site/civil engineering, boundary and topographic surveying, traffic engineering, landscape architecture, natural resources, and geotechnical engineering. A major project challenge was the design of a 400-space parking lot, which required substantial coordination with the existing FBI complex. The building is the first of its kind in Newark, obtaining LEED Gold certification for the core and shell, as well as LEED Platinum certification for the interior.

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Credit: Visualhouse

HUDSON YARDS REDEVELOPMENT

- Location:** New York, NY
- Client:** Hudson Yards, a Related Oxford Venture
- Architect:** Kohn Pedersen Fox, Skidmore, Owings & Merrill, Diller
Scofidio + Renfro, Ismael Leyva Architects, Rockwell Group
- Partner:** Thornton Tomasetti, WSP
- Services:** Geotechnical, Environmental, Site/Civil, Traffic &
Transportation, Traditional Surveying, Terrestrial
Scanning/BIM,

OVERVIEW

This major New York City redevelopment, under the joint guidance of the City, the Metropolitan Transportation Authority, and State of New York initiatives, is in the process of reinventing the Hudson Yards area in midtown Manhattan. Langan has been retained by multiple teams to provide geotechnical, site/civil, environmental, and traffic engineering, seismic design analysis, and surveying services during the pre-design phase of development.

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CRANBURY LOGISTICS CENTER

Location: Cranbury, NJ
Client: Cranbury Brickyard, LLC
Services: Site/Civil, Geotechnical, Environmental, Natural Resources & Permitting, Landscape Architecture, Traffic & Transportation,

OVERVIEW

Langan prepared a general development plan submission for this 395-acre parcel adjacent to the New Jersey Turnpike. The site is contaminated with Materials of Explosive Concern as a result of an explosion that occurred at the Unexcelled Chemical Corporation in 1954. Langan's integrated team of site/civil, geotechnical and environmental engineers and scientists prepared a design to construct 2.8 million SF of warehouse distribution on approximately 150 acres of the site that is contaminated. The full build-out of the business park includes three cross-dock warehouse buildings and is one of the largest wetland mitigation projects in state history.

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CELGENE OFFICE & PARKING FACILITY

Location: Summit, NJ
Client: Celgene Corporation
Architect: Highland Associates
Partner: Turner Construction Company
Services: Site/Civil, Geotechnical, Traffic & Transportation, Landscape
Architecture, Surveying/Geospatial,

OVERVIEW

As part of the design-build team, Langan provided site/civil, geotechnical, surveying, landscape architecture, and traffic engineering services for this new, five-story office and structured parking facility. Langan evaluated the subsurface conditions and prepared value-engineered design measures to provide cost-effective solutions for the proposed foundation system. Langan's site design services included work on the 182,000-SF office and structured parking facility with approximately 974 parking spaces, an at-grade parking area consisting of 215 parking spaces, a new traffic signal at the fronting intersection to the campus, and a 50-foot-high retaining wall surrounding the perimeter of the building.

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CAMPBELL SOUP COMPANY CORPORATE HQ DEMOLITION

Location: Camden, NJ
Client: Campbell Soup Company, New Jersey Economic Development Authority
Services: Demolition, Site/Civil, Geotechnical, Environmental, Natural Resources & Permitting,

OVERVIEW

Langan was a part of the team joined to revitalize the abandoned, asbestos-filled Campbell Soup Factory. Langan was charged with the evaluation and remediation design of the contamination, the preparation of construction documents for the demolition of over 600,000 square feet using implosion methods, and the design of infrastructure improvements. Of the 150,000 tons of demolition rubble, all except 800 tons were reused at the site, resulting in a \$3,000,000 cost savings. Today, a ballpark, amphitheater, office buildings and aquarium occupy this site.

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GUARDIAN LIFE INSURANCE REGIONAL HEADQUARTERS

Location: Hanover, PA
Client: Guardian Life Insurance Company of America
Services: Site/Civil, Traditional Surveying, Traffic & Transportation,
Geotechnical,

OVERVIEW

Langan provided a full range of engineering services for the development of a new three-story, 281,680-SF corporate building on a 31-acre site. The Guardian Life Insurance Company of America, one of the nation's largest mutual life insurers and a leading provider of employee benefits, selected Lehigh Valley for its regional headquarters, which will replace its current regional headquarters located in three buildings in Bethlehem and one in Allentown.

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INTERACTIVECORP (IAC) HEADQUARTERS BUILDING

Location: New York, NY
Client: The Georgetown Company
Architect: Frank Gehry Architect, Adamson Associates
Partner: DeSimone Consulting Engineers
Services: Geotechnical, Site/Civil, Environmental,

OVERVIEW

Langan's integrated services helped overcome numerous technical challenges that ultimately transformed a former manufactured gas plant site into an iconic structure on the Hudson River.

AWARDS

2008 American Council of Engineering Companies New York, Engineering Excellence Award, Platinum

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LOCKHEED MARTIN PATRIOT CENTER

Location: Newtown Township, PA
Client: Lockheed Martin
Services: Site/Civil, Landscape Architecture, Traffic & Transportation,
Geotechnical,

OVERVIEW

Langan provided site/civil, landscape architecture, geotechnical, and traffic services for the new 15,000-SF, LEED-Gold-certified conference facility. The site design included a bio-retention basin, an entry plaza, and an outdoor dining and entertaining area and is part of a campus-wide redevelopment design.

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19TH CENTURY SCOVILL BRASS FACTORY

Location: Waterbury, CT
Client: Brass Center Ltd.
Services: Environmental, Geotechnical,

OVERVIEW

The long-defunct brass manufacturing center, once 90+ decaying buildings on a 100-acre downtown site, was prepared for a rebirth. Langan's value engineering and effective construction management saved the client over \$9.5 million.

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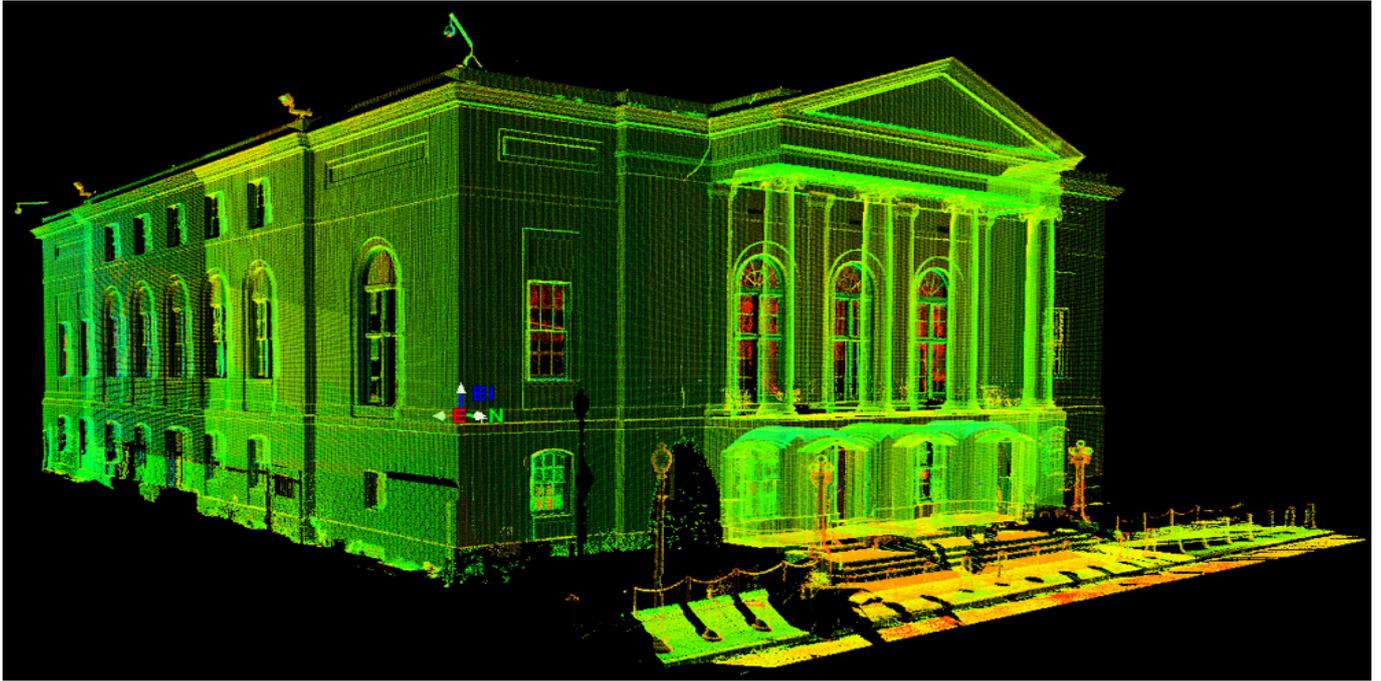
ORACLE

Location: Redwood City, California
Client: Oracle
Architect: Gensler, KSH Architects
Partner: Nishkian Menninger, Webcor
Services: Geotechnical,

OVERVIEW

Langan performed a geotechnical investigation for the Oracle Headquarters and the adjacent Island Parkway Campus. Langan developed foundation design criteria for several office buildings, a recreation center, conference center, pedestrian bridge, and four parking structures.

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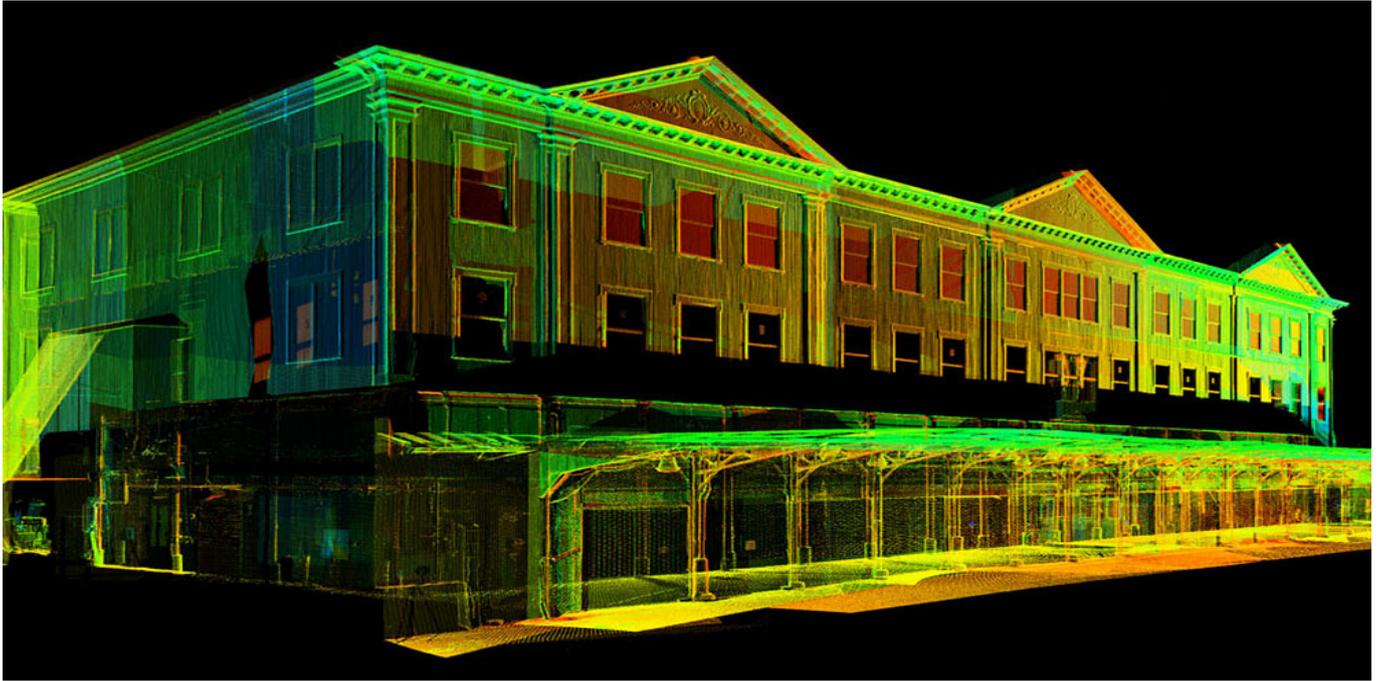
US COURT OF APPEALS OF THE ARMED FORCES

Location: Washington, DC
Client: IBI Group - Gruzen Samton Architects
Services: Terrestrial Scanning/BIM, Traditional Surveying,

OVERVIEW

A full exterior laser scan of the building facades was performed, as well as a control survey for the accurate merge of the laser scan †point clouds.† Detailed elevations and cross sections of the building were produced from the scan data for the planning and implementation of a new lighting scheme for the building.

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HISTORIC †TIN† BUILDING AT SOUTH STREET SEAPORT

Location: New York, NY
Client: General Growth Properties
Architect: SHoP Architects PC
Services: Terrestrial Scanning/BIM, Traditional Surveying,

OVERVIEW

This project involved the documentation of the historic 'Tin' building which is located at South Street Seaport along the East River in Manhattan. The work done by Langan was related to the planned relocation of this building to another site at the seaport. The building itself dates back to the early 1900s. Langan surveyors provided both traditional and 3D laser scanning services in support of the project. The combination of the two types of surveying allowed drawings to be generated in a much more cost effective and timely manner than would be possible otherwise. The use of 3D laser scanning made it possible to capture the many fine details of this structure.

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DMAVA PARK AND HUDSON RIVER WALKWAY

- Location: Jersey City, NJ
- Client: New Jersey Department of Property Management and Construction
- Services: Landscape Architecture, Environmental, Natural Resources & Permitting, Geotechnical,

OVERVIEW

Langan designed this project for the NJDEP, including 1,600 linear feet of new Hudson River Waterfront Walkway, a new bulkhead and waterfront esplanade, a new timber boardwalk, and a 3-acre park along the Morris Canal Basin, across from Liberty State Park.

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AMERICAN DREAM MEADOWLANDS

Location: East Rutherford, NJ
Client: Triple Five Development
Services: Geotechnical, Site/Civil, Traditional Surveying, Natural Resources & Permitting, Environmental Planning, Environmental,

OVERVIEW

American Dream is a unique and visually compelling mixed-use development site located on the Meadowlands Sports Complex in East Rutherford, New Jersey. The project incorporates exciting and participatory sports and entertainment venues, such as an indoor ski slope and skate park for the entire family. Langan is providing site/civil engineering, geotechnical engineering, surveying, environmental engineering, and permitting services to obtain entitlements for the new indoor amusement park and water park component of the project.

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