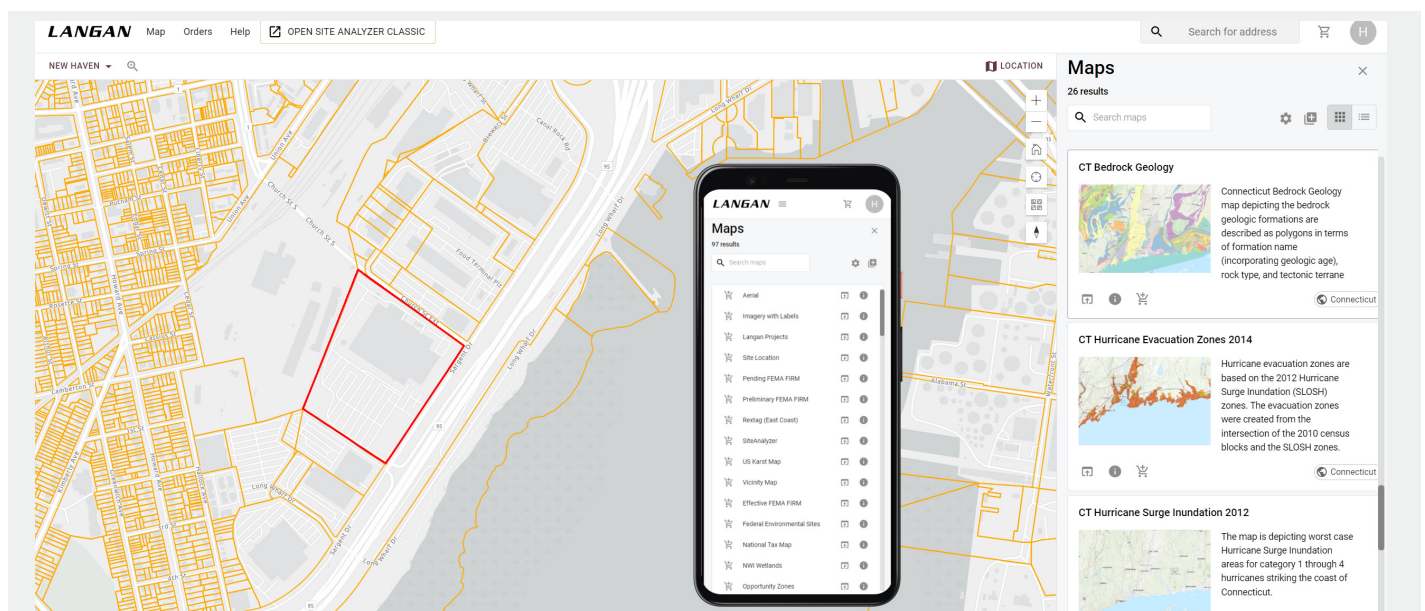# LANGAN

Site Selection, Site Analysis & LanganProjects App

Digital Tools for Rapid Site Assessment and Feasibility

Langan leverages the capabilities of Geographic Information Systems (GIS) to support the site selection process across a diverse range of sectors, including commercial, industrial, renewable energy, utility, and residential. This sophisticated technology equips us to cater to our clients' unique requirements, pinpointing sites that fulfill their optimal criteria by processing and analyzing vast amounts of data.

Our comprehensive analysis extends beyond just identifying potential sites. We conduct a nuanced spatial examination of various critical factors that influence site suitability. This empowers us to provide well-rounded, strategic site recommendations that align with our clients' project goals and business objectives. Our analysis often times consists of identifying and spatially analyzing the location of the following:

- **Business Data** including searchable nation-wide data sets by NAICS and SIC codes
- **Natural Features** such as size of site, floodplains, wetlands, steep slopes, soils, bedrock geology
- **Infrastructure** such as roads, rail lines, port access, utilities

- **Demographics** including population, net worth, workforce, and consumer expenditures
- **Public Service Areas** including retail centers, hospitals, and bus stops
- **Incentives** such as nation-wide opportunity zones, localized tax credit zones, etc.

We use a site suitability analysis with Site Analyzer software to compile a list of the most appropriate options for clients. Once this list is compiled, companies can use this information to make a more informed decision.
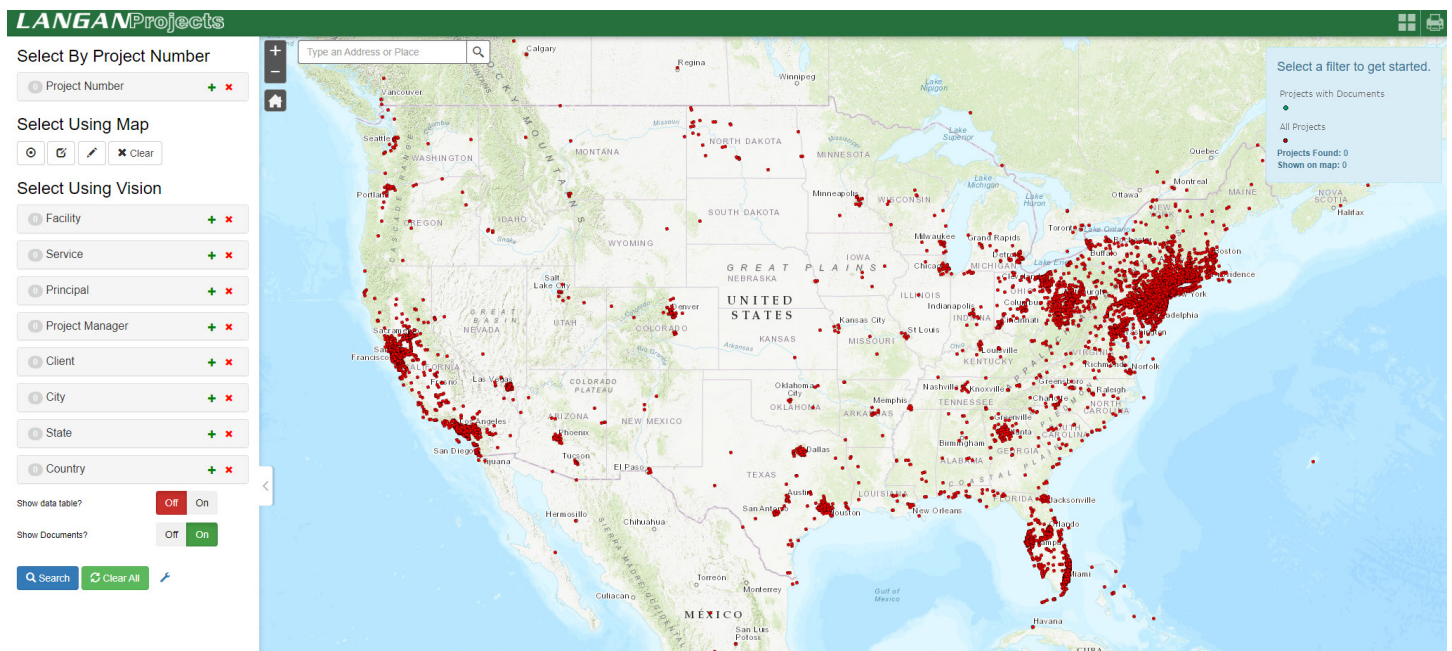
Finding Ideal Site Solutions with Site Analyzer©

Developed by Langan's Digital Solutions team, Site Analyzer© is a dynamic tool that reveals critical constraints on any site. Unlike typical technology providers, the Langan team behind Site Analyzer© is comprised of scientists, chemists, surveyors, modelers, and IT professionals who work seamlessly with the firm's core groups of site/civil, geotechnical, and environmental engineers to capture and interpret aspects of these projects not readily available to the public.

- **Customizable to client's needs**
- **Faster data, faster decisions**
- **Saves time, saves money**

Quickly Locate Project Data using LanganProjects

Langan developed an in-house web-based application to provide our team with a simple, yet efficient method to quickly search for and retrieve historical project information. Using a standard web browser, Langan's staff can view the locations of all historic projects on a street map of the entire United States. This street map acts as a simple interface for the "LanganProjects" application which also links to accounting information as well as scanned documents and reports. LanganProjects was developed using Esri's ArcGIS Enterprise and was integrated with accounting data stored in SQL Server using Python and JavaScript.

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