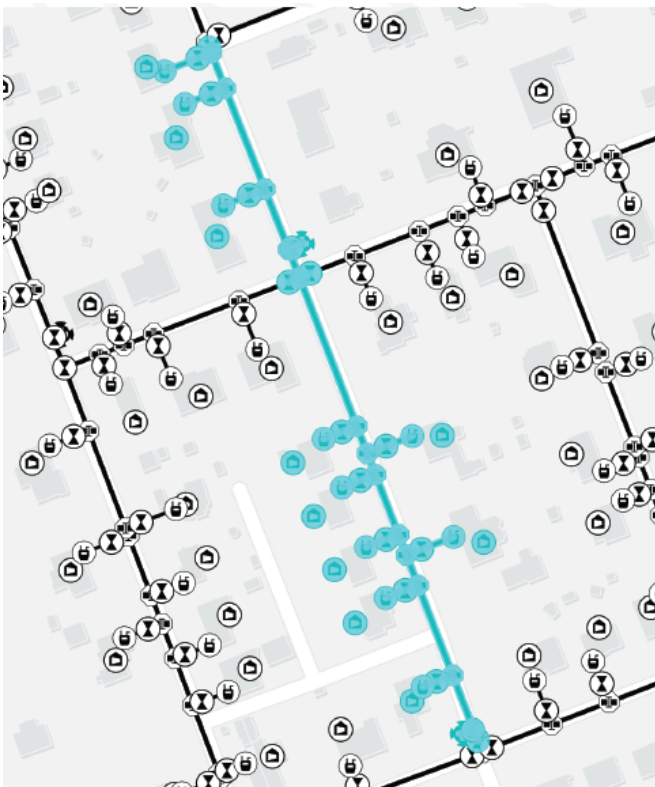


GIS for Water, Sewer & Stormwater Utilities

Langan provides prompt on-call GIS consulting services to a variety of customers who operate and maintain utility assets. These services include, but are not limited to, planning, design, implementation, maintenance and training of GIS solutions to manage wet utility assets (i.e., water, sewer, etc.), track vehicle fleets and build multi-departmental datasets as a means of providing accessibility to information and decision support tools for GIS and non-GIS users.

Langan has a rich history in crafting and executing GIS solutions for diverse clients, encompassing individual facilities to expansive campuses and utilities. We collaborate closely with our clients, pinpointing their GIS objectives and devising effective strategies to achieve them. Our GIS projects can be as compact as involving a handful of staff or as expansive as multiple departments sharing interconnected data and tools. Our geospatial team possesses expertise in GIS system design and architecture strategies, ensuring seamless GIS functionality across desktop, web, and mobile platforms. Our team has augmented their skills under the guidance of Esri certified trainers, keeping them abreast with the latest software innovations, such as the ArcGIS Utility Network. Coupling these skills with our expertise in database design and development, our team is well versed in deploying Esri's standard database frameworks or tailoring custom data structures to align with an organization's unique requirements.



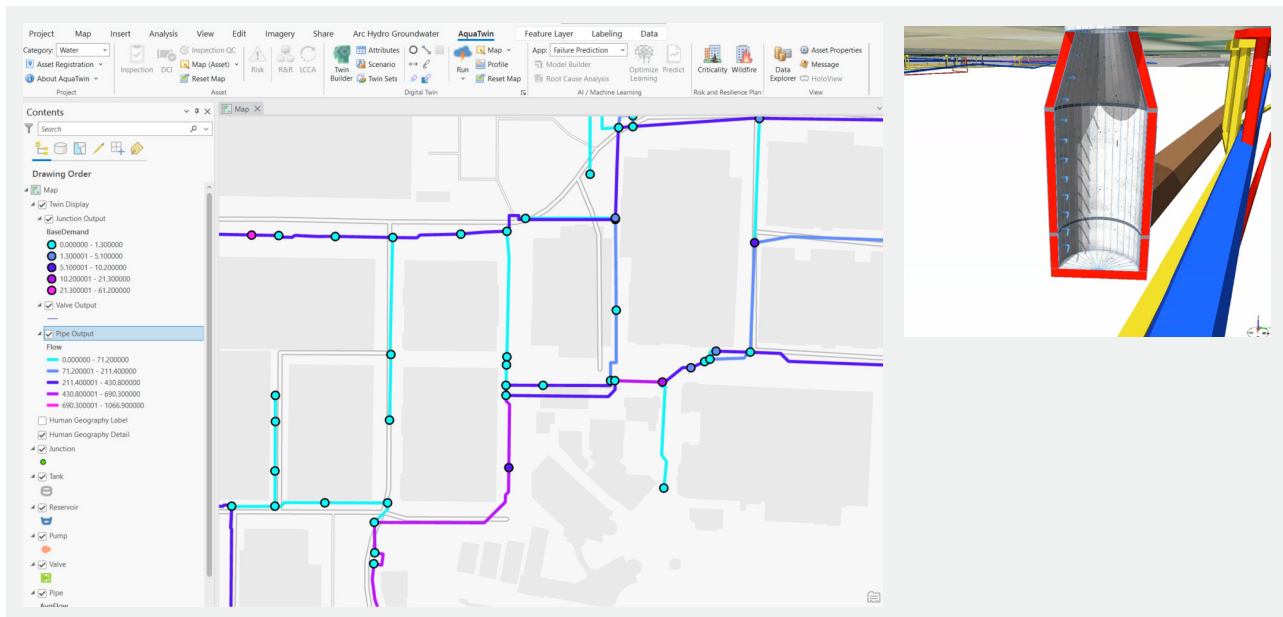
GIS for Water, Sewer & Stormwater Utilities

We have extensive experience working with facility personnel to create asset inventories, document management systems, mobile inspection applications, and web-based interfaces. The web-based interfaces allow users to search for both spatial and non-spatial data by keyword searching their database to retrieve numerous types of information. In addition to searching for existing data, users are able to inspect and update assets through mobile applications that update their enterprise system in real-time.

Langan also works with utility providers to help prepare for and migrate to the ArcGIS Utility Network. Our experience configuring asset packages for multiple utilities and creating data migration tools allows for a straightforward migration process from geometric networks to Utility Networks. We also work with clients to identify data gaps and help collect required information to allow for the full benefit of the Utility Network tools. This can also include assisting with the transition from ArcMap to ArcGIS Pro.

Specific areas of expertise include:

- GIS for “wet utilities” or water, sewer & stormwater utility assets
- Implementation & configuration of Esri’s ArcGIS Solutions for Utilities
- ArcGIS Utility Network for Water & Sewer
- Hydraulic modeling within ArcGIS Pro
- ArcGIS integrations with asset management, outage management & SCADA systems
- Utility asset inventory, field data collection & verification, data management automation for spatial & non-spatial data



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