

Water/Wastewater GIS Platform

A POWERFUL GEOSPATIAL APPROACH TO FULLY MEET
DESIGN, AS-BUILT, MAINTENANCE, COMPLIANCE AND
BUDGETING REQUIREMENTS

← PHASED IMPLEMENTATIONS

← IMMEDIATE RESULTS

← SCALABLE AND AFFORDABLE

This solution is cost effective, scalable and flexible to meet the needs of any Operator.

Novara GeoSolution's (Novara) offers Water/Wastewater utilities with a scalable platform to meet their design, as-built, asset management, maintenance, budgeting and community engagement needs. The implementation of this robust platform can be completed all at once or over time so as to work with any budget. Its flexible setup can be run from internal servers or a Utility can have Novara host and manage the solution.

The foundation of the solution is Esri's ArcGIS suite, used for asset management, design, as-built integration and mapping. Mobile and field users work with a mobile solution to collect data in a connected or disconnected mode. Field work is managed using the Esri Workforce solution which can work alone or be integrated with the organization's work management solution. Executives engage through customizable dashboards that include easy to understand maps and measures of your key performance indicators.

Once an organization has implemented the basic GIS foundation, there are a series of focused business applications that can be added to tailor the solution to your specific needs. For example, users have the flexibility to implement a capital project planning and tracking solution, a self-service outage viewer for customers to check local service, network tracing and valve isolation tracing, a public communication tool for water restrictions, a dashboard for viewing water conservations efforts, nighttime flow analysis to identify areas of potential high water loss, a pressure zone analysis solution, or simply a web interface for customers to log comments or complaints.

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Easy access to important information

Included in the asset management system is a GIS for accessing all of the information about a user's system and facilities. This includes desktop, web-based and mobile products for easy retrieval of the information and detailed attribute information for every feature you operate. Clients can link digital photos of buildings, structures and other equipment. Key information, including asset type, age, condition, status, photos, etc is at your fingertips. Users are able to easily map, update and report on information while adhering to compliance regulations.

Reduce annual maintenance costs and improve planning

This asset management system allows clients to balance costs against risks before development takes place. Users can perform preventative maintenance planning in order to request the required funds to meet budgetary obligations. With this system you can perform capital planning for development initiatives and report on anything in your portfolio of assets.

Esri gold business partner and the right fit

As a custom software developer and Esri platform implementer we have experience configuring and implementing all forms of geospatial software including Esri Desktop, Esri Server and extensions, Esri ArcGIS Portal, Esri Dashboards and Mobile solutions, and data models like UPDM and the local government geodatabase.

Novara offers the solution in two ways: the software can be installed on premise or it we can host the solution for you. Novara will work with your staff to develop a phased implementation so that you receive what you can afford when and where you need it. For example, most implementations begin with asset management and mapping, followed with compliance, field solutions and executive dashboards. Implementations are planned over 3-5 years to ensure it is cost effective and fits into the yearly budgeting process.

Novara has the experience

Novara specializes in the design, development and implementation of asset management systems in a variety of industries, such as Energy (both Transmission and Distribution), Water/Wastewater, Stormwater, Transportation, Local Government, Rail, Aviation and Security. This experience is paired with our parent company, CHA Consulting Inc's, vast engineering experience to create the best offering available.

Eliminate resource constraints

Novara offers a wide range of services including spatial analysis and mapping services, GPS field data collection, alignment sheet generation, geospatial database design and implementation, data loading and validation, consulting and web-based GIS application development and more. Novara can be an extension of your team so you can get projects completed quickly!

ADVANTAGES

- > Uses Esri's local government data model and Water/Wastewater Network Model
- > Easily add, update, and maintain critical asset information
- > Easy to use products for field data collection
- > Effective reporting on the complete life cycle of an asset
- > Includes all aspects of asset management to choose from
- > Phased approach and cost effective implementation
- > Integrated mobile solutions
- > Host on or off-site

CALL US TODAY TO DISCUSS YOUR ASSET MANAGEMENT NEEDS!