

# Design & As-built Solution

EFFORTLESSLY IMPLEMENT A DESIGN & AS-BUILT PROCESS INTO YOUR EXISTING GIS

IMPROVE DATA QUALITY

COST EFFICIENT

ENHANCE IN-FIELD DATA CAPABILITIES

**Leverage your existing data and a proven geospatial solution to design infrastructure and post as-builts.**

Novara GeoSolutions (Novara) can help customize and implement a straightforward and easy-to-use Design & As-built solution. This cost-effective solution supports the seamless flow of data to the field and back to the office. Used in the pre-construction, engineering and construction phases, this solution uses Esri technology to sketch new designs and define a bill of materials for construction. It makes integrating the as-built drawing into the GIS simple. This product is scalable, so both small and large operators can take advantage of the solution depending on the needs and complexity of the job. Additionally, operators can easily make traceable, verifiable and complete records as part of the Design & As-built process by adding field hardware. Once the asset information is back in the system, it can be used for mapping, maintenance activities, risk management, and in-field tools. Most importantly, this solution is customized to fit the user's needs. For example, the sketched map environment, the workflow, the bill of materials, and the as-built data import process can be customized to match the user's business processes.

This simple yet powerful solution allows users to get into the details of the data, identify assets through the system, document everything, know the exact location of assets, and effortlessly maintain the data over time. Once the data is geoprocessed, it is easily committed to the production environment with a few simple steps.

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## Streamline the data flow

Novara has developed dynamic geospatial solutions that will empower its users and ensure data accuracy. The solution is built around current compliance regulations, field standards and your organization's internal needs. Novara utilizes Esri web-based maps, dashboards, desktop applications, and mobile field solutions to give each level of management visibility into the design and construction process so you can make informed decisions.

## Traceable, verifiable and complete

By adding field tools like a barcode scanner, users can take this design and as-built solution to the next level. Not only does this give users improved data insight and improved risk management practices but it also increases efficiency in the field and fulfills record-keeping requirements for compliance purposes. Important information such as content delivered as part of the purchasing process can be linked using a barcode and are all easily trackable.

## Know your data inside and out

It is critical to know where your data came from and the metadata associated with it. Detailed import logs can record the user, date and time of postings. The logs include import settings, source data connection, and user information. They also include import data set statistics and record counts so that the user knows everything about their data.

## Reduce your effort, time and cost

In some instances, getting the data from the field back into Esri's UPDM can be a huge hurdle. Novara streamlines this in multiple ways by providing options for the clean and post process steps. Novara will work with each client to decide what the best solution would be. The end goal is for the user to decrease the overall cost, effort and time associated with capturing as-built information and moving it into production.

## Esri Gold business partner

As a custom software developer and Esri platform implementer, we have over 30 years' experience configuring and implementing all forms of geospatial software, including Esri Desktop, Esri Server, Esri solutions and extensions, Esri ArcGIS Portal, Esri Dashboards, and Mobile products. Novara has extensive experience with different information models, including PODS and geodatabases like UPDM and the Local Government data model. We also have experience with work management and SAP-GIS integrations.

## ADVANTAGES

- > Reduces the risk of ownership
- > Access to accurate information
- > Customizable and works with versioning
- > Works on ArcGIS Pro and UPDM
- > Creates a traceable process
- > Supports your design and as-built requirements
- > Integrated mobile solutions
- > Saves time and money

**IMPROVE YOUR DESIGN AND AS-BUILT PROCESS TODAY!**