



Esri's Utility Network

Helping Water Customers Prepare, Migrate, and Excel in the Esri Utility Network

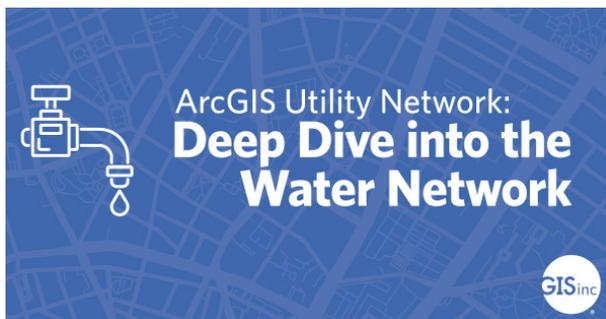
Esri's Utility Network Management (UN) is a transformative, purpose-built modernized framework for how utilities manage their geospatial utility data. It replaces Esri's earlier Geometric Network model and encapsulates both business logic and functionality directly in the database while following modern information technology best practices with a services-based architecture. It also provides improved information security to content and capability. Together, these will empower organizations with greater flexibility and mobility when managing their network. We acknowledge the UN represents a significant deviation from previous methods and requires a thoughtful and deliberate approach to help ensure organizational and technological readiness.

Utility Network Specialty Designation - Water

After participating in the Utility Network for Water Utilities' beta testing, GISinc became the first Esri Partner to earn the Utility Network Management (UNM) Specialty designation—specifically for our experience with the water domain. Read the press release about it at gisinc.com/news.



Utility Network Management Specialty



Getting started with the Utility Network?

We recently hosted a Deep Dive into the Water Network webinar to share our approach to successfully migrating customers to the Esri Utility Network, covering important considerations and benefits.

Watch the recording to learn:

- Reasons to move to the Esri Utility Network Management
- Things to consider before getting started
- Process for water utility migrations

info.gisinc.com/webinar/utilitynetwork2020

Utility Network Partnership with SSP Innovations

Recognizing the opportunities provided by the UN for our municipal clients operating multiple utilities, GISinc partnered with another UNM Specialty designee, [SSP Innovations](https://www.sspinnovations.com), for their experience in the electric, gas, and telecommunications domains. Together, we can offer our clients a "Complete Utility Network Implementation" with expertise in all the supported domains. Read the press release about it at gisinc.com/news.



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GISinc is the first Esri Business Partner to implement the Utility Network Management water domain for functional adoption, at locations such as Opelika Utilities and Aqua Water Supply Corporation. We have completed a geodatabase design and development implementation of SSP Sync for three systems at Austin Water and we are presently doing the same for Charlotte Water. We have completed a readiness assessment for the City and County of Honolulu and a data assessment for New Ulm Public Utilities. There is good traction on the UN.

GISinc's offers the following Utility Network Implementation Services:

1. Readiness Assessment

The GISinc UN Readiness Assessment is designed to help organizations understand how the current data, model, processes, SOPs, and governance are positioned for adoption. GISinc will evaluate the data and conduct a 2 or 3-day onsite exercise to facilitate discussions with stakeholders to understand technical architecture, functional adoption, and strategy. This readiness assessment also includes the evaluation we provide in the data assessment, helping to prioritize cleanup efforts prior to migration. The deliverable from this engagement will be an implementation roadmap that includes a concise document capturing observations and recommendations, outlining a migration path toward to the Utility Network. This is a review and planning engagement and will not include activity related to migration.

2. Data Assessment

The GISinc UN Data Readiness Assessment is designed to help organizations understand how the current data and data model are positioned for adoption. GISinc will evaluate the data structure, quality, integrity, and configured behaviors to make observations that feed into a concise narrative outlining the identified data-centric recommendations for a UN migration. This is a review and planning engagement (performed remotely) and will not include activity related to migration.

3. Utility Network Jumpstart (Water)

The Utility Network (UN) Jumpstart is an ideal way to initiate the transition toward the new Esri UN for water utilities by deploying a limited base configuration in a development environment. The UN Jumpstart comprises a preliminary remote discovery session to review required architecture and orient to the current data inventory and structure, providing context for a migration plan. Subsequently, GISinc will conduct the core Jumpstart through a 5-day onsite exercise to deploy a single functioning Utility Network for the water system loaded with client data. The purpose is to demonstrate process and capabilities to a targeted audience of users. GISinc will review data errors and make recommendations, but the Jumpstart will not include data creation, cleanup, or manipulation beyond the initial data load. The onsite will conclude with knowledge transfer and a review of base connectivity rule and network configuration. This service presumes foundational familiarity with Esri/GIS from client staff who participate.

4. Utility Network Complete Implementation

GISinc is pleased to provide end-to-end implementation services for your Utility Network deployment. Tailored to each organization, GISinc will facilitate the assessment, planning, implementation, and education phases to ensure a successful solution. Starting with a full readiness assessment, we will evaluate your organization's technical environment, including architecture and external business system dependencies, and the data condition to determine a specific implementation road map. Data cleansing and ArcGIS platform upgrades might need to follow the assessment. Migration planning will map source data to the UN while integrations planning considers requirements for third-party business systems. A migration tool such as [SSP Sync](#) is highly encouraged to assist data migration and reduce overall project risk by allowing incremental cutover of business systems. Once data is migrated, configuration of connectivity rules, containers, and subnetworks follows. Once successfully deployed and validated in a test environment, user education and promotion to the production system completes the project. Each implementation is tailored to the specific needs of the organization.

