

Automated, intelligent, adjustable – Esri Utility Network Migration according to your terms.

Get the most out of your existing GIS data with a flexible approach that enables short term straightforward migration and can support high-fidelity migration for advanced capabilities as needed.

HEIDE is short for High-Fidelity Export Import Data Exchange. Using this multifunction tool, utilities can both prepare for and execute their Utility Network migration with a [high-fidelity migration approach](#) (click for more info).

UDC's solution incorporates our HEIDE tool to address the evolving migration and synchronization needs of utilities. HEIDE greatly reduces the lift for the utility by automating 90% of the data mapping, QA/QC, containment and advanced configuration.

The multi-process tool creates and configures an enterprise geodatabase fully prepared for use within Esri ArcGIS Pro and the Utility Network Management Extension. This solution enables networks to run in parallel until the utility is ready to finalize transition.

HEIDE is applicable for migrations from Schneider Electric ArcFM, Esri and Non-Esri platforms.

Key Features & Benefits

Adaptable to Your Source Model

Non-Esri, ArcGIS, or ArcGIS/ArcFM databases

Supports High-Fidelity Migration

Assess your data readiness for migration and then automatically transform utility data when moving to the Utility Network.

Provides a Path to Advanced Functionality

More than a simple feature class to feature class migration, HEIDE creates subtypes and asset types, includes the structure network, infers connectivity and implements rules.

Incremental Migration Support

Run two networks in parallel and decide when to go live with the migrated system without worrying about having to post a bunch of backlogged work orders for your utility.

Primary Functions

The HEIDE tool plays multiple roles during your migration.

Data Readiness Assessment – HEIDE interrogates and analyzes your database to derive

- What will prevent Utility Network migration
- How your utility can improve data

Migration from any Geometric network to Esri Utility Network

- Creates the asset package allowing manual configuration
- Provides QA/QC matching source to Utility Network
- Capability to convert deltas to run networks in parallel

HEIDE assists to provide auto configuration for minimal manual configuration effort during your migration. Automation allows us to set configurations across the network programmatically, rather than requiring someone to manually set the values at each location. Critically, because the creation of the asset package is automated, this approach allows migration to take place in an iterative fashion.

How it Works

HEIDE application details

Using a simple Microsoft Excel spreadsheet output from the HEIDE tool, organizations define the mapping between their source data and the Utility Network schema. HEIDE will create an asset package, load the asset package into ArcGIS Pro, and provide the ability for users to quickly and easily see any gaps in the data mapping and determine any data issues (from connectivity to geometry). Because this process is automated, changes can be made to the mapping with minimal effort and overhead for the utility business.

Technical Requirements

ArcGIS FOR ENTERPRISE	
• ArcGIS Pro	1.4
• ArcGIS Desktop	10.6
• ArcGIS UN Management Extension	
MICROSOFT	
• Microsoft 365 (Excel)	

Scope of Work

Utility Network Migration

The timeline for your Utility Network migration and conversion utilizing HEIDE is dependent on the scale, level of your GIS customization, and the quality of your data.



Data Assessment

Assess current state data
Develop data readiness plan



Full Discovery

Detailed project planning
Workshops



UN Implementation

Complete implementation of data and/or systems

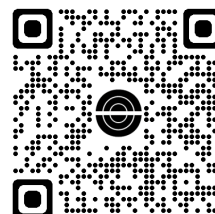


Next Steps

Take the next step towards automating your migration process and maximizing your GIS investments and functionality.

We invite you to contact us to talk about your plans for migration and help developing a strategy geared towards your business needs.

Karen Smith
Director Business Development
ksmith@udcus.com



UDC
82 Inverness Dr E #A1
Englewood, CO
[720] 733-8862

UDCUS.COM