

# SIMILIX UTILITY NETWORK MIGRATION SUITE

## *Well-managed migration*

*of your data is essential to make a successful transition from an older GIS platform to the Esri ArcGIS Utility Network. The Similix Utility Network Migration Suite is an advanced migration tool, that enables phased go-lives and migration of versions, while securing data consistency and preventing loss of data.*

Esri's Utility Network offers a rich data model, new tracing and diagrams functionality and a service based architecture. Planning your Utility Network migration project is your opportunity to evaluate the benefits of enriching your data model – and gain even more insight from your GIS data.

The Similix Utility Network Migration Suite is a complete migration toolbox that supports the migration of data from a given data model into the new Esri ArcGIS Utility Network data model (the UN data model). The tool supports basic migrations, where the data model from the geometric network is mapped into the UN data model, as well as advanced, rule based migrations enriching your data.

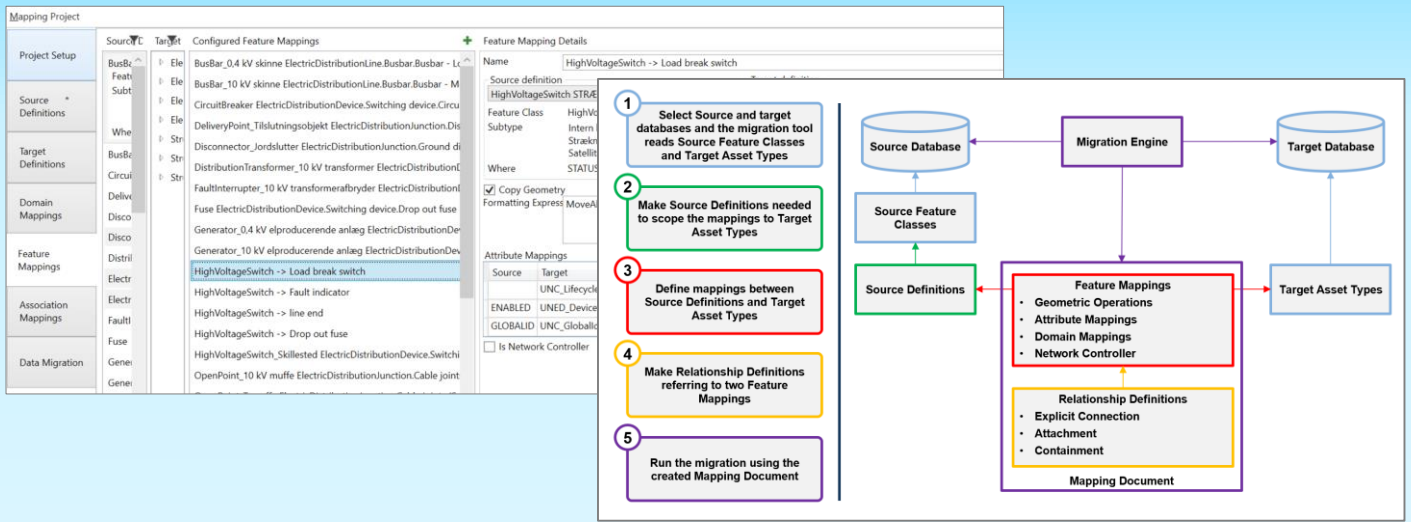
We suggest, that you start your migration project by installing the Similix Utility Network Migration Suite and do an initial mapping and migration of a subset of your data, e.g. from a certain part of your grid. Doing this, will both provide you with a data readiness assessment, and you will kick-start your Utility Network learning curve, working with your own data. With our high performing migration tool, you can run iterative mapping and migrations as you receive feedback and make decisions.

With the Similix Utility Network Migration Suite, you are getting an advanced toolbox that covers the whole data migration process from data model development, over migration and integration to the actual go-live. This enables a safe and phased go-live with minimized business downtime.

The Similix Utility Network Migration Suite will empower you to take the leap from an old platform onto the Esri ArcGIS Utility Network – a platform with capabilities that will bring your utility into the future.

### Benefits

- One solution covering the entire migration process
- Rich user interface for advanced configuration, data modelling and migration
- Automatic synchronization of data changes during the migration project
- No business downtime during go-live by efficiently handling migration of data versions
- Enables a phased go-live approach



## Key Capabilities

### User interface

The Similix Utility Network Migration Suite comes with a rich user interface that provides an excellent environment for data mapping, configurations and actual migrations. Consequently, the user can perform migrations without making any behind-the-scene configurations or data manipulation.

### Migrate

When doing the initial migration, the data model is defined, and the resulting mapping from the old data model to the UN data model is specified. This will very often be an iterative process, especially when having large and complex data models. The Similix Utility Network Migration Suite has extensive functionality for defining and amending the data model and specifying associated mapping rules and logic. This configuration will then automatically serve as the transformation logic for the migration engine.

### Integrate

The Similix Utility Network Migration Suite provides advanced synchronization for handling changes to already migrated data. Changes to the existing data (“delta changes”) are continuously detected and integrated in the new UN database.

### Go-live

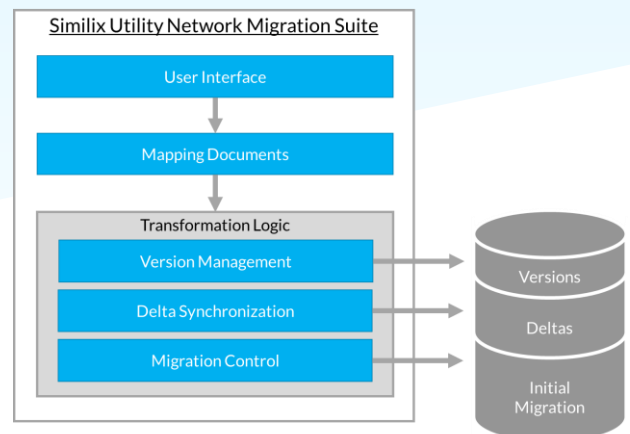
An important part of the go-live process is to make a clean cut-over, where on-going projects, that are reflected in the data, are migrated into the UN database – typically stored as versions.

The Similix Utility Network Migration Suite offers full support for migrating versions, such that the migration process not only covers the as-built data, but also on-going projects where data is already stored in the data base, even though the assets are not yet put into operation.

## Architecture

### System components

The Similix Utility Network Migration Suite builds on an architecture that supports the full migration process from the very first step, where data quality and data models are evaluated, to the final migration where versions in the existing database are migrated to the UN database.



The architecture ensures that it is always the exact same code that is performing the migration of data from the existing data model to the UN data model. This applies for Migrate, Integrate and Go-live, and it is a fundamental architectural property, which ensures data integrity throughout the entire migration process.

### Deployment

The Similix Utility Network Migration Suite is easy to install and use, and smaller and non-complex test migrations may even run on a laptop. For complex migration projects with a long time horizon, the Similix Utility Network Migration Suite can be deployed server side and integrated into the existing system platform.

## For further information

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