Elevate Your Data Management Experience Using EpochSync Pro

In today's dynamic utility landscape, the need for seamless data integration is vital. EpochSync Pro stands as the bridge between your legacy systems and the future, specifically designed to synchronize data between Smallworld and other GIS vendors and the Esri Utility Network (UN). Regardless of your company's origin or existing platforms, our state-of-the-art solution ensures a smooth transition and consolidation into the Esri Utility Network, positioning your business at the forefront of utility data management.

Esri Utility Network Essentials

EpochSync Pro to Esri UN supports the following features:

- **Device:** Points such as valves, meters, transformers, switches.
- **Line:** Linear entities such as wires, pipes, and more.
- **Junction:** Connection points for lines and devices.
- **Assembly:** Points that contain other features like switchgear, transformer banks.
- **SubnetLine:** Defines resource flow extents from circuits to pressure zones.
- **JunctionObject and EdgeObject:** Non-spatial objects, crucial for detailed modeling.

Domain Networks & Structure Network

Esri Utility Network supports domain **Electric**, **Gas**, **Water & Telecom** network along with the appropriate structure network making EpochSync Pro the ideal tool for transforming your utility GIS data.

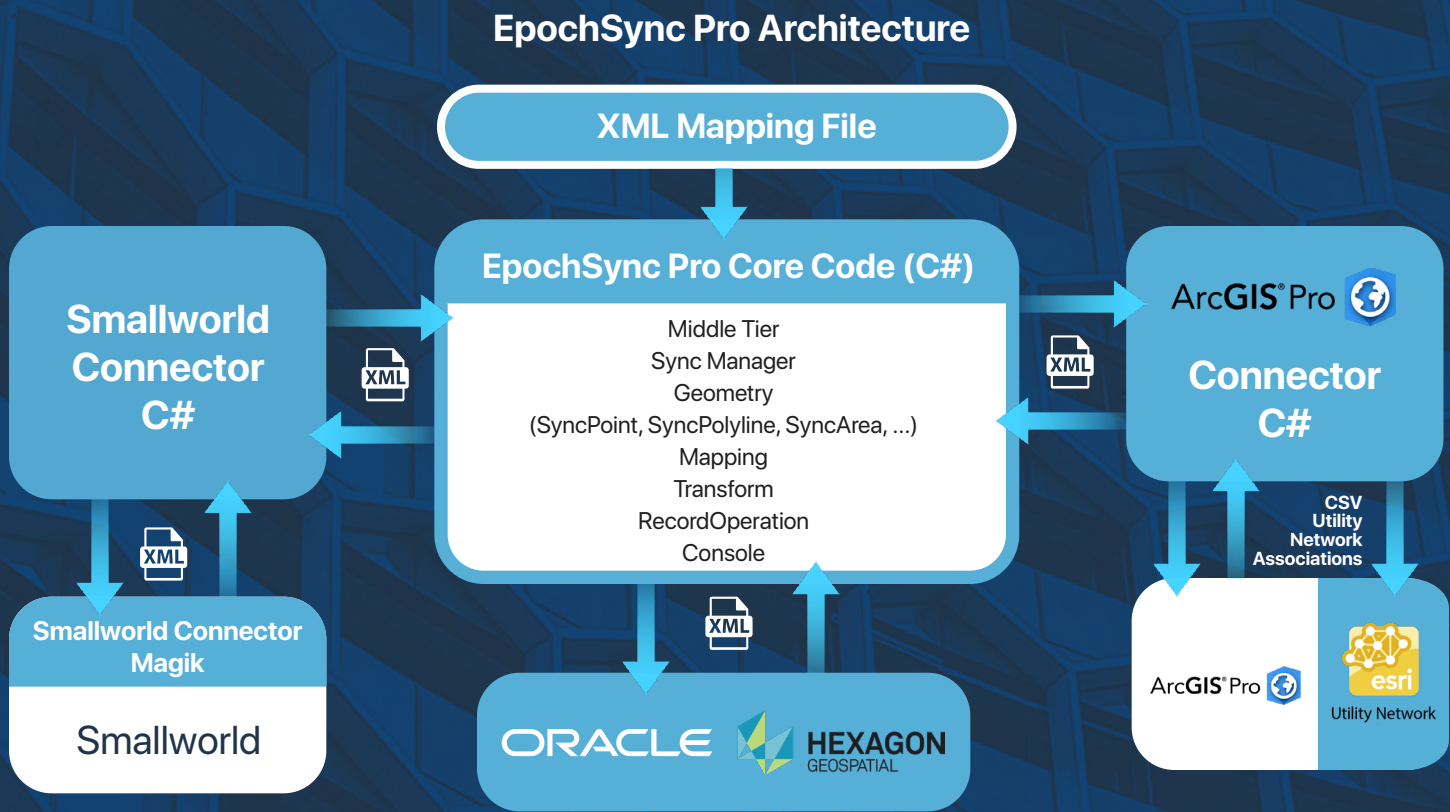### EpochSync Pro Essentials

- Read support for Smallworld, Hexagon G/Technology, Oracle Spatial or any spatially enabled database.

- Support for transformation of Smallworld internal worlds.

- Incremental data synchronization ensures only data changes are synchronized.

- Read/write support for Esri geometric networks into Esri UN.

- Flexible, chainable transformation architecture allows for complex in-transit data manipulation.

- Create mappings to extract data with minimal training.

- Plugin architecture allows for easy development of custom data format connectors (read and/or write) and transforms.

- Supports a number of built-in in-flight data transformations, including coordinate system transformations.

EpochSync Pro Essentials

- Flexible xml based mappings support sync between wholly different data models.

- Specific UN functionality for containment and structure associations.

- Automatically rebuild UN subnetworks after incremental changes.

Using EpochSync Pro to Migrate to the UN

EpochSync Pro Architecture

XML Mapping File

Smallworld Connector C#

EpochSync Pro Core Code (C#)

Middle Tier
Sync Manager
Geometry
(SyncPoint, SyncPolyline, SyncArea, ...)
Mapping
Transform
RecordOperation
Console

ArcGIS Pro Connector C#

Smallworld Connector Magik

Smallworld

ORACLE HEXAGON GEOSPATIAL

CSV Utility Network Associations

ArcGIS Pro   esri Utility Network

Why use EpochSync Pro to support your ESRI Utility Network migration?

- Reliability: Expert-backed software, designed with Esri UN's complexities in mind.
- Efficiency: Make the extensive task of consolidation between GIS systems simple and effective.
- Precision: Accurate object mapping and handling of Esri UN associations ensure data integrity throughout.

When considering seamless, efficient, and precise data synchronization, EpochSync Pro stands unparalleled. With EpochSync Pro, transition and integration become second nature.