

ArcGIS Utility Network Success A Migration Roadmap

Understand the Proper Steps, Tools and Timeline to Reduce Risk



1 Why Migrate Now?

Driver

- End of vendor support for legacy systems
- Advanced network modeling and analytics
- Data quality and reliability improvements
- Regulatory and customer demands
- Mature, proven migration tools & processes

Benefit to Early Migration

- Maintained support and security
- Improved operations and insights
- Faster efficiencies in data maintenance & quality
- Easier compliance, better service
- Streamlined, phased migration

Risk if Delayed Beyond 2028

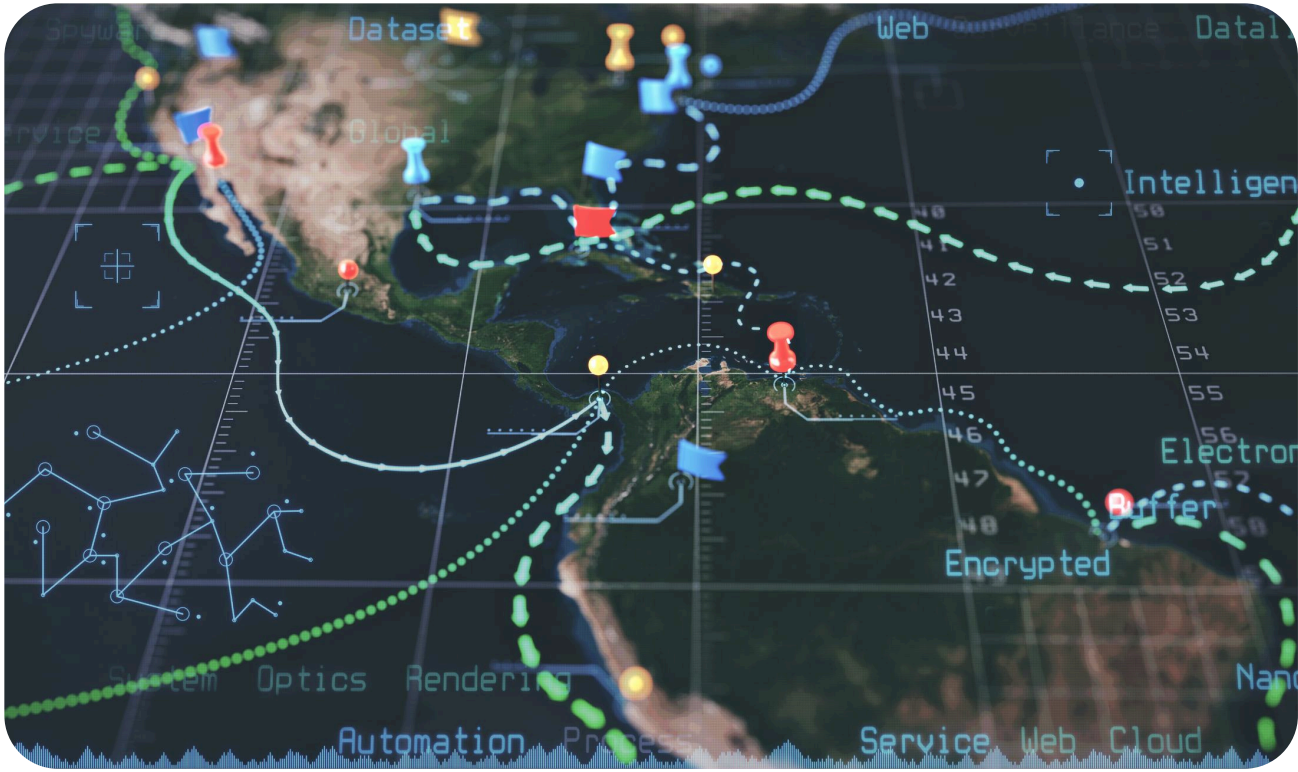
- Security, regulatory compliance & support risks
- Stagnant capabilities
- Lack of vendor support
- Lengthier timeline to meet regulatory requirements
- Rushed, disruptive transition

2 Migration Steps and Timeline

ArcGIS Utility Network migration for a large utility can take anywhere from **1 to 3 years or more**. The timeline is driven by:



3 Migration Factors That Impact Duration



Data volume and complexity:

- Inconsistency between legacy service territories, system of record considerations, system of engagement user requirements and quality of data.

Workflow and system integration:

- Reworking business processes and integrating with systems like work management, outage management and customer information.

Parallel operations:

- Running legacy and new systems in parallel ensures business continuity.

Customization and advanced features:

- Implementing advanced network rules, subnetwork management, and custom integrations.

4 How TRC Can Help

Turnkey migration services & solutions

- Comprehensive, end-to-end migration support, managing all aspects of the ArcGIS Utility Network transition from initial planning to final implementation.

Utility subject matter experts

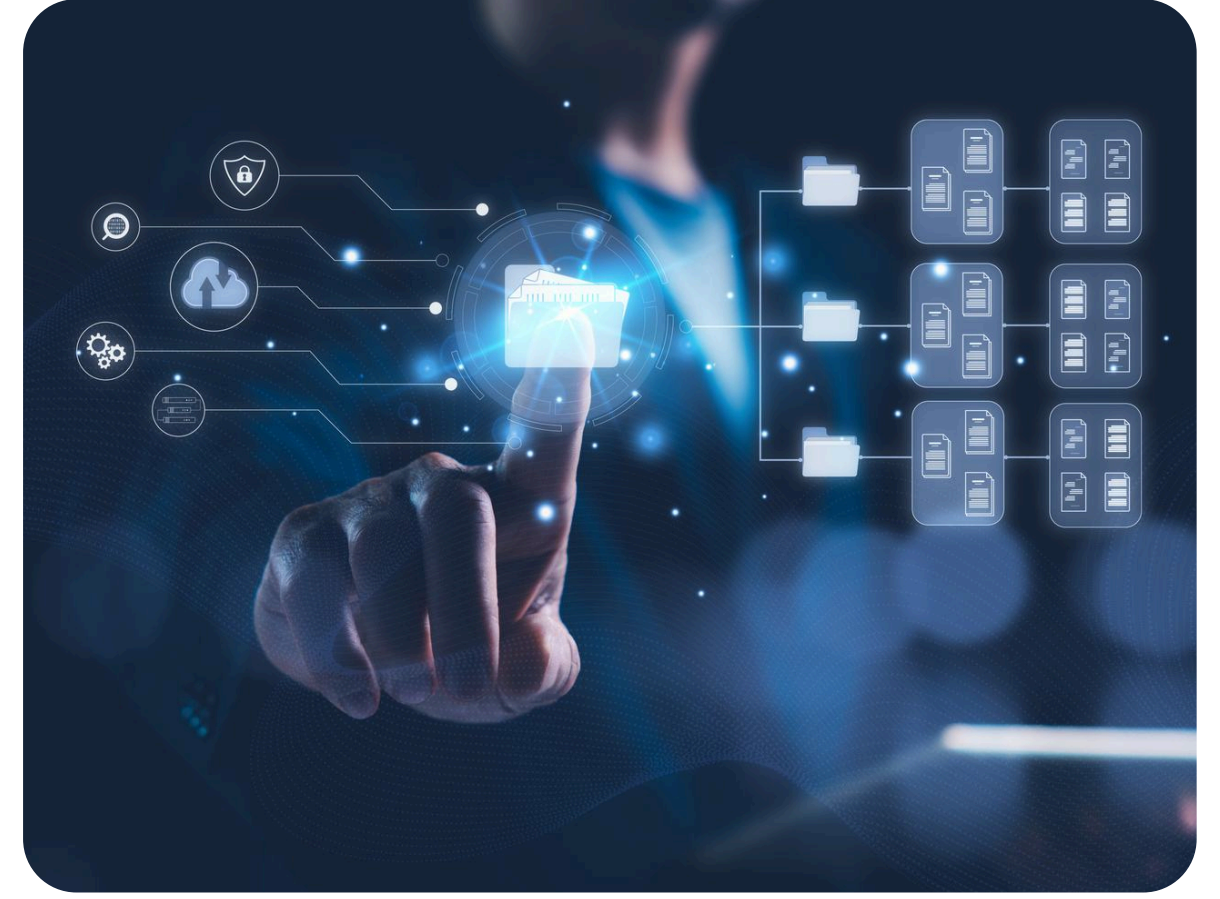
- Experienced professionals with deep knowledge of utility operations, GIS technologies and industry best practices.

Change management specialists

- Expert training, communication strategies, & support to ensure staff are confident & competent in using the new system, minimizing resistance and maximizing adoption.

Proven system integration

- Established best practices and protocols for integrating the ArcGIS Utility Network with critical business systems such as work management, outage management, & customer information systems.



5 Tools That Accelerate Deployment

Carmen (TRC):

- A proven industry migration toolset streamlines migration of complex data from legacy systems.

TRC Enterprise Esri DevOps:

- Automates infrastructure deployment, ArcGIS content deployment, and management of automated delivery pipelines.

Esri Migration Toolset:

- Simplifies and validates data migration in ArcGIS Pro.

Reporting tools (Power BI, Tableau, Esri):

- Improves error detection and communication using dashboards.

6 Solutions for Data Enrichment and Gap Filling

AI-based conflation

- Use AI to consolidate legacy data to precise locations and ensure accurate baseline data.

Machine learning data augmentation

- Employ machine learning and computer vision for feature detection, extraction and classification that fills in attribute gaps.

Intelligent automation

- Put AI to work to target labor-intensive, repetitive tasks relieve staff workload for higher-value workstreams.

