Put ArcGIS® Utility Network into Action with VertiGIS Networks

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VertiGIS Offices

23 offices in 9 countries
VertiGIS: Fast Facts

- 23 offices worldwide
- 50+ countries served
- ~600 employees
- 85+ partners
- 5500+ customers
- Millions of end-users
Core Market Segments

Public Sector
- Land management
- Urban planning
- Citizen & staff engagement
- Smart government
- Facility & Asset management

Utilities
- Electric, Gas, Water, Sewer & District Heating
- Network planning & design
- Construction
- Asset Maintenance

Telecommunications
- Physical & logical network planning
- Inventory & service management
- Network operations
- Public backbone & distribution networks

Infrastructure
- Facility management
- Industry & Manufacturing
- Real Estate
- Asset maintenance & work order management
VertiGIS Studio™ enables rapid app development

- Mobile apps
- Web-GIS viewers
- Custom widgets
- PDF reports
- Printed maps
- Linear referencing
- Advanced search
- GIS analytics
- Fine-grained security
VertiGIS Networks™

Solutions for water network operators who plan, build, document, analyze and maintain their network infrastructure.
• What street is the damage on?
• Which or how many customers are affected, and are they critical services?
• How do I keep them informed? Is there a flood risk due to the topography of the area?
• Which team should I send?
ArcGIS Utility Network for Water Utilities

Powerful and practical water utility management

• ArcGIS & Utility Network provides the foundation for your digital twin - an accurate, digital representation of your water network

• Standardized UN connectivity rules to ensure the quality and integrity of your system of record

• UN works in a true enterprise environment with web service-based capabilities that can be shared by Water Utility organization’s engineering, operations, communications, customer service & billing departments.
ArcGIS as a Foundational Layer for Water Utilities

- **ArcGIS Enterprise** is the world’s leading geospatial infrastructure.

- The **ArcGIS Utility Network** goes far beyond the previous generation Geometric Network by supplying rich data models, network topology rules and advanced capabilities in a web services architecture.

- **VertiGIS Networks** solutions consume these models, capabilities and web services to provide functionality for utility-specific use-cases.
VertiGIS Networks uses a Robust Configuration Layer

• Every solution in VertiGIS Networks is **extensively configurable** because of a comprehensive configuration layer.

• Configure the layout, look & feel, and capabilities of **web and mobile** experiences for each solution.

• Control **access permissions**, and tailor **end-user workflows** to your organization’s requirements with easy-to-use drag-and-drop interfaces.

• **Integrate** work orders with 3rd party asset management systems
VertiGIS Networks™️ Architecture

**Network Explorer**
Visualize, export, share, report, and trace on the outside plant.

**Network Editor**
Detailed as-built network documentation, in the office and in the field.

**Network Simulator**
Project planning and calculation.

**Network Locator**
Automated 811 locate response.

**Clients**
- Web
- Mobile

**Network Domain Configurations**
- Telco
- Water
- Gas
- Electric

**Configuration Layer**
ArcGIS Enterprise & UN
VertiGIS Networks™  
A geospatial solution for the digital twin of your network infrastructure

Supporting the Entire Asset Life Cycle

Management

External Communication

Technician & Mobile Worker

Professional GIS User

Plan & Design

Plan

Repair & Replace

Act

Construct & Install

Do

Operate & Maintain

Electricity

Telco

Gas

Pipelines

Heating

Water

Sewage

Transport & Distribution Networks
**Why VertiGIS Networks?**

**Out-of-the-box tools** for Tracing, Schematics, Queries and Editing Workflows

**Asset Management Integration** lets you focus on your daily business operations with keeping pace with Esri’s ArcGIS updates

Access your Utility Network anywhere on any device.
Demo: VertiGIS Networks
USE CASES – VertiGIS Networks for Water

1 - Pipe Failure / Main Break Response
2 - Water quality issue / contaminant notification
3 - Regulatory and Operational Reporting
4 - Planned outage communication and notification
5 - Customer engagement information portal
6 – Edit water network assets to maintain an accurate system of record
How to Get Started . . .

• Talk to Scott @ the VertiGIS booth
• Arrange a demonstration
• Learn more at:
  https://www.vertigis.com/vertigis-networks/
• Email:
  scott.sv@vertigis.com
Thank you!

VertiGIS™