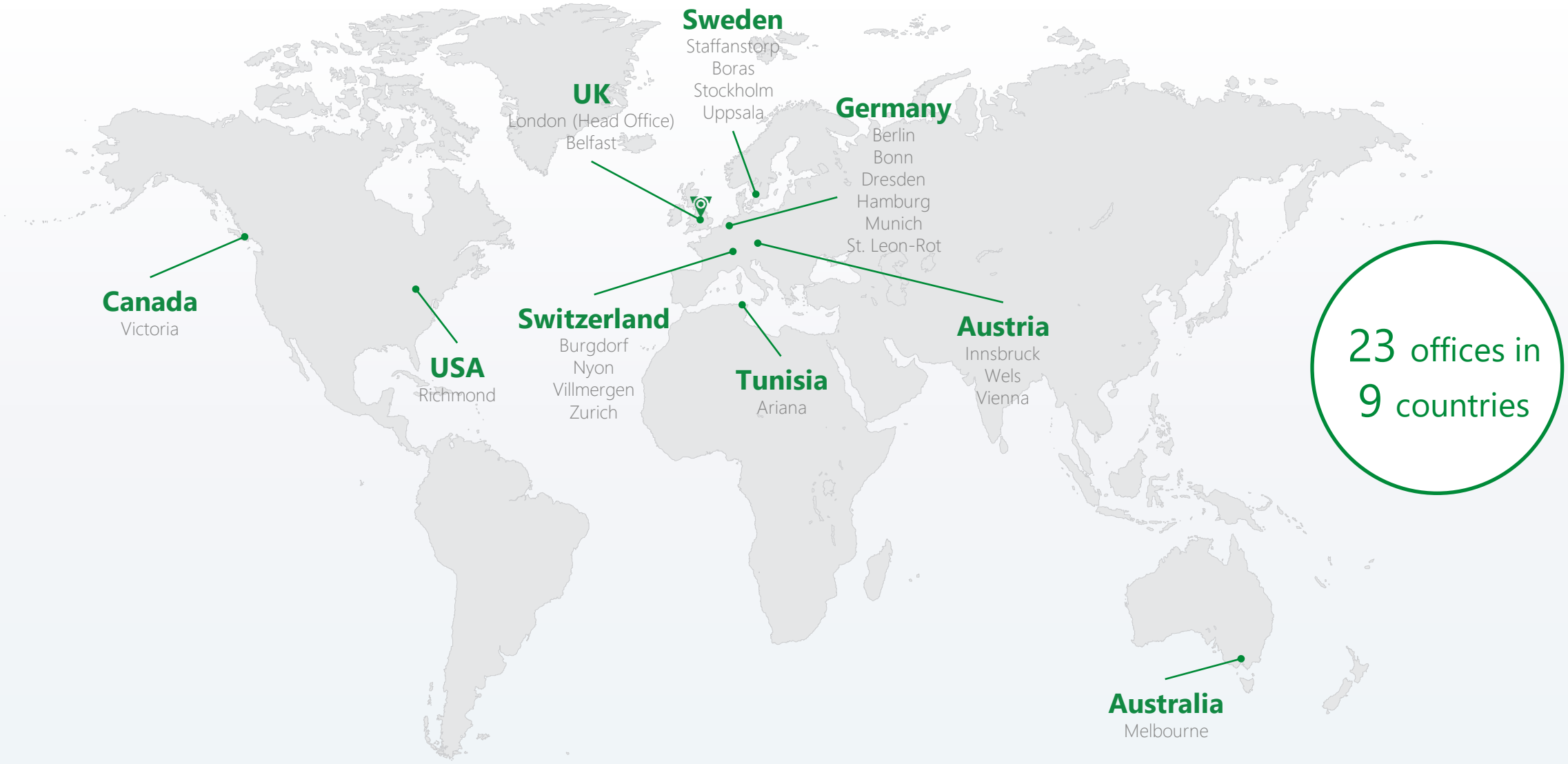
VertiGIS™

Put ArcGIS® Utility Network into Action with VertiGIS Networks

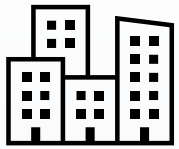
Presented by Scott Stafford-Veale
October 2023

TEXAS GIS FORUM

VertiGIS Offices

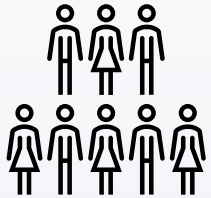


VertiGIS: Fast Facts

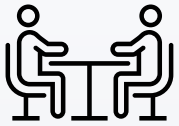


23
offices worldwide

50+
countries served



~600
employees



85+
partners

5500+
customers

Millions
of end-users

esri Partner Network
Platinum

ArcGIS Marketplace
Provider

ArcGIS System Ready
Specialty

State and Local
Government
Specialty

Utility Network Specialty
Water Utilities Services

Utility Network Specialty
Gas Utilities Services

Utility Network Specialty
Electric Utilities Services

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

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VertiGIS™ Solutions

Public Sector

Utilities & Energy

Telecommunications

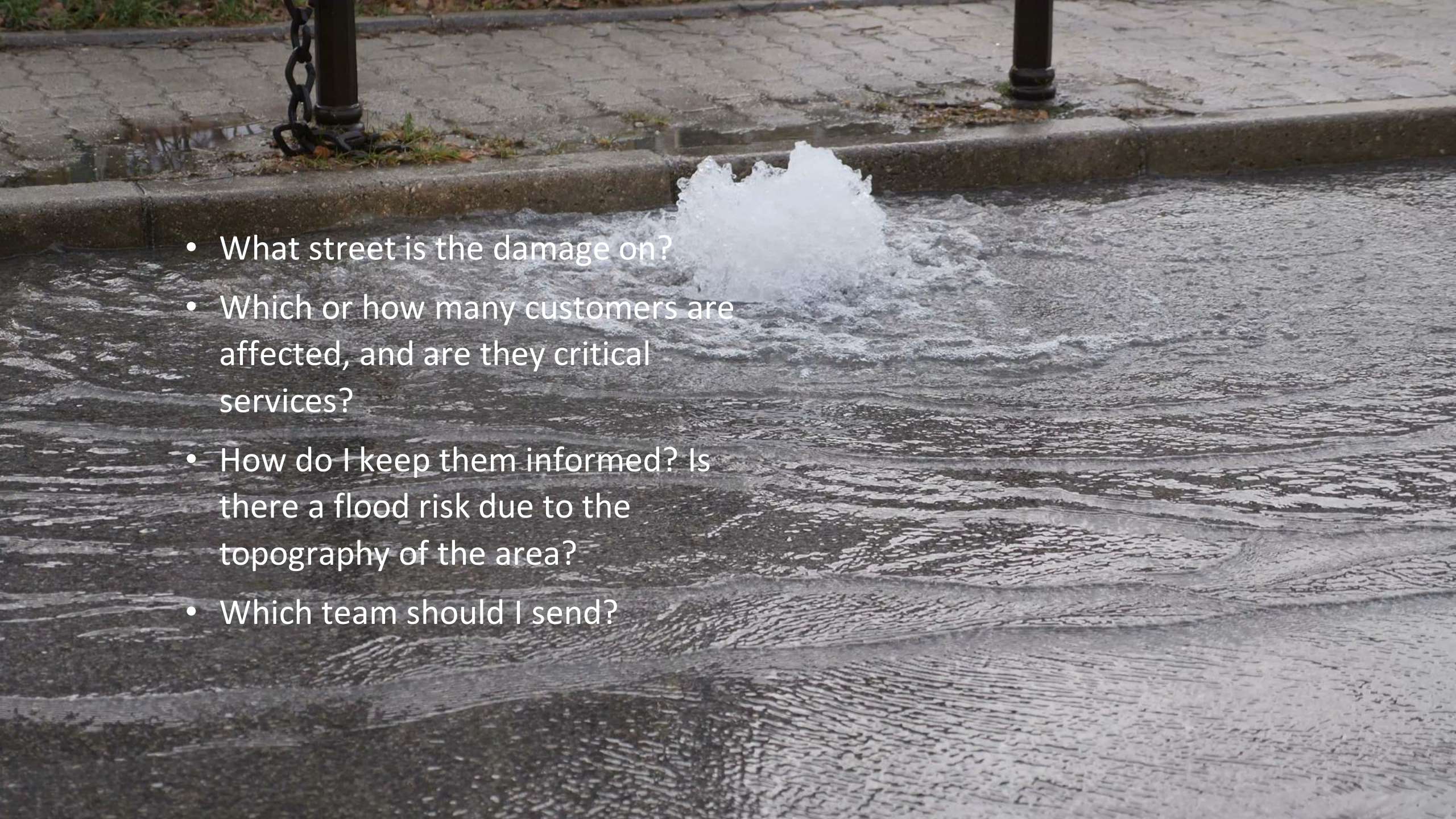
Manufacturing

VertiGIS Studio™

VertiGIS Studio™ enables *rapid* app development

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?

SPEED LIMIT
25
TRUCK
NO TURN ON RED
NO BICYCLE RIDING ON SIDEWALKS
Children's Store

ROAD
CLOSED

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.

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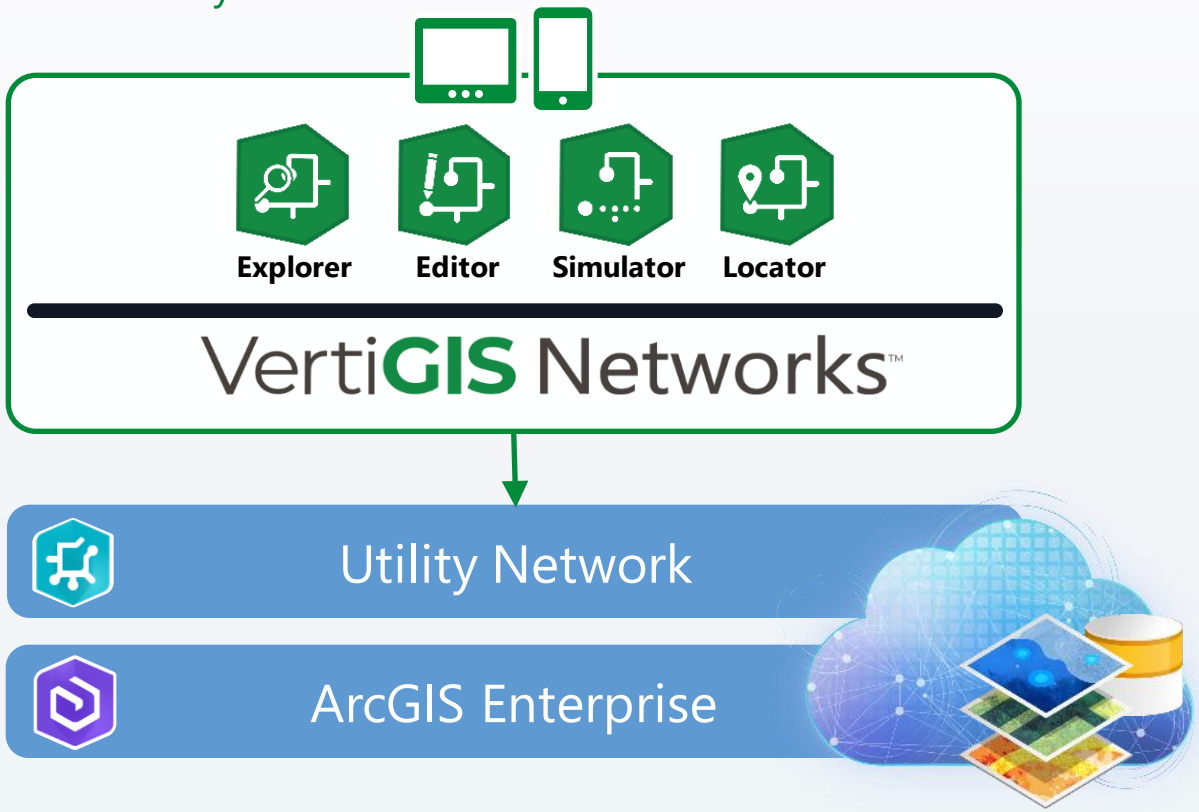
ArcGIS as a Foundational Layer for Water Utilities

- **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 the models, rules and web-service enabled capabilities in the ArcGIS Utility Network.



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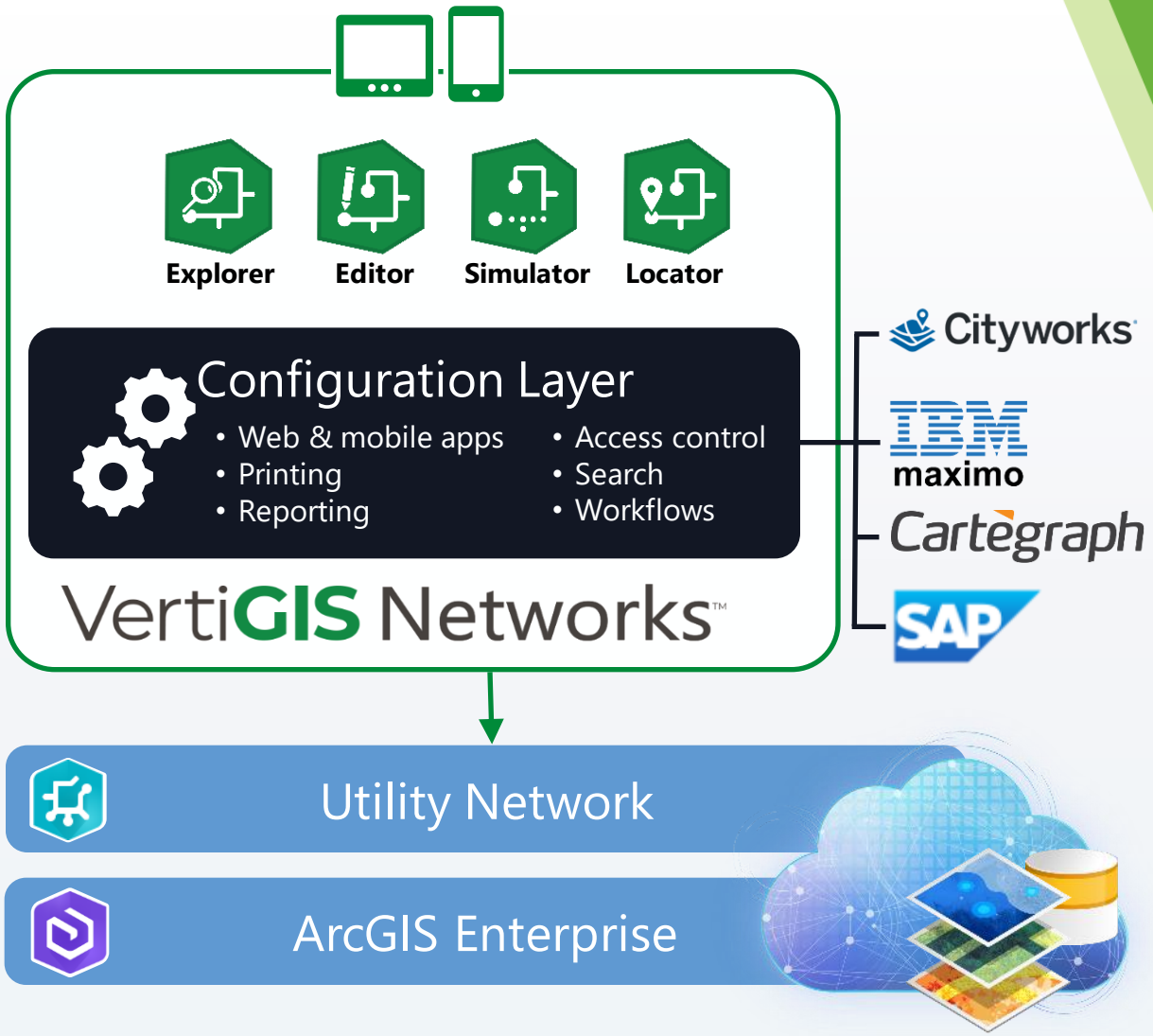
VertiGIS Networks uses a Robust Configuration Layer

- 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



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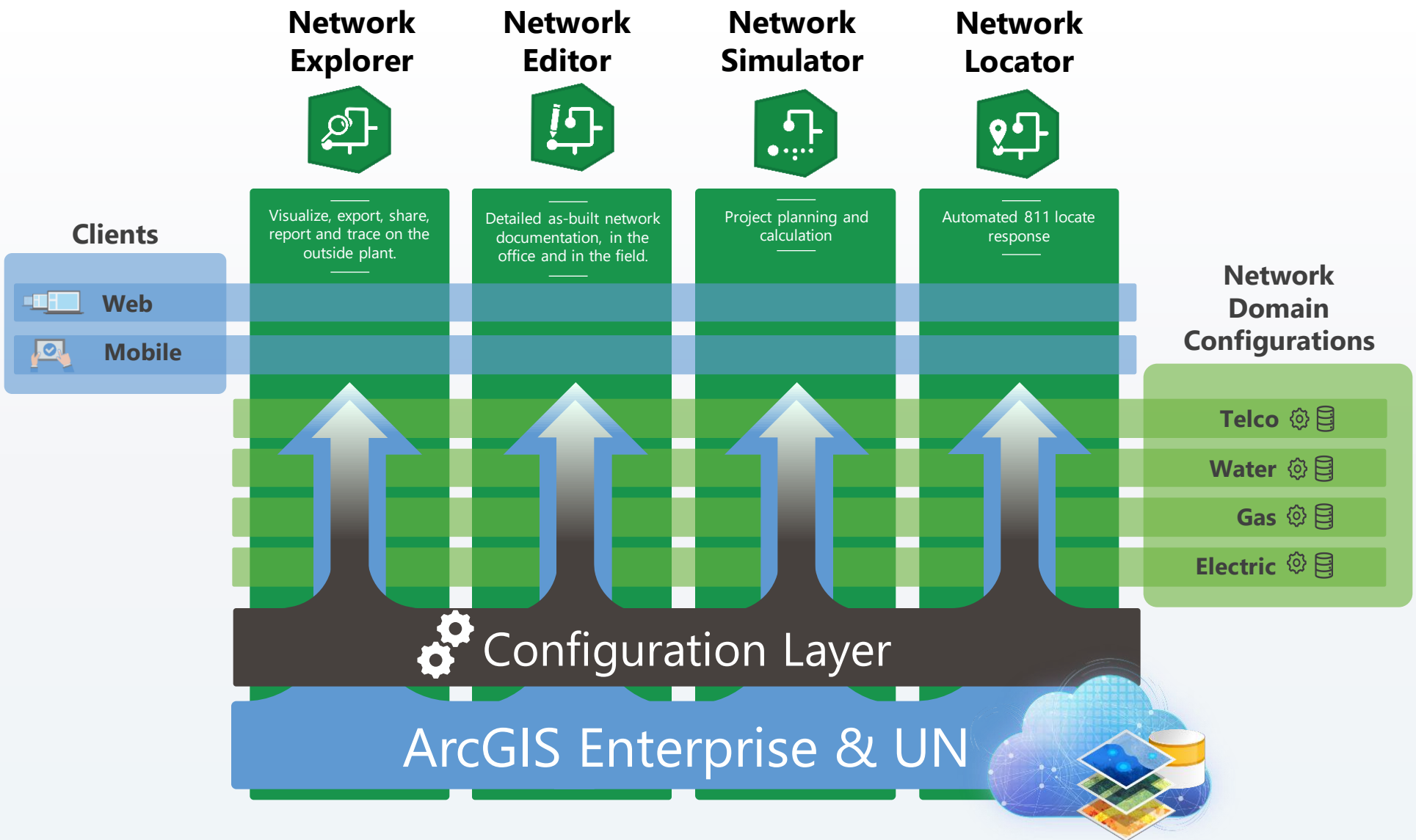
VertiGIS Networks™ | Architecture



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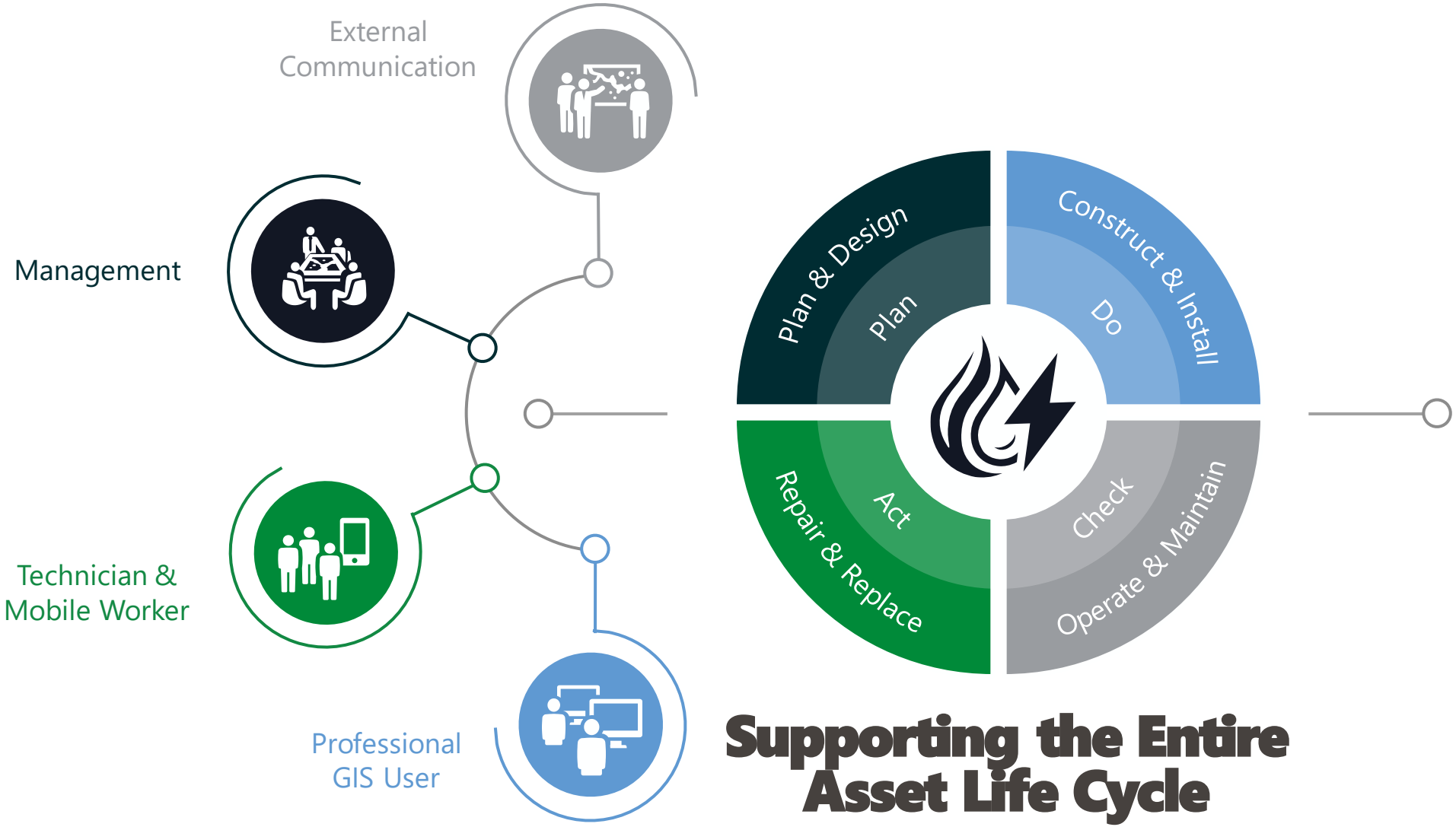
A geospatial solution for the digital twin of your network infrastructure



Why VertiGIS Networks?

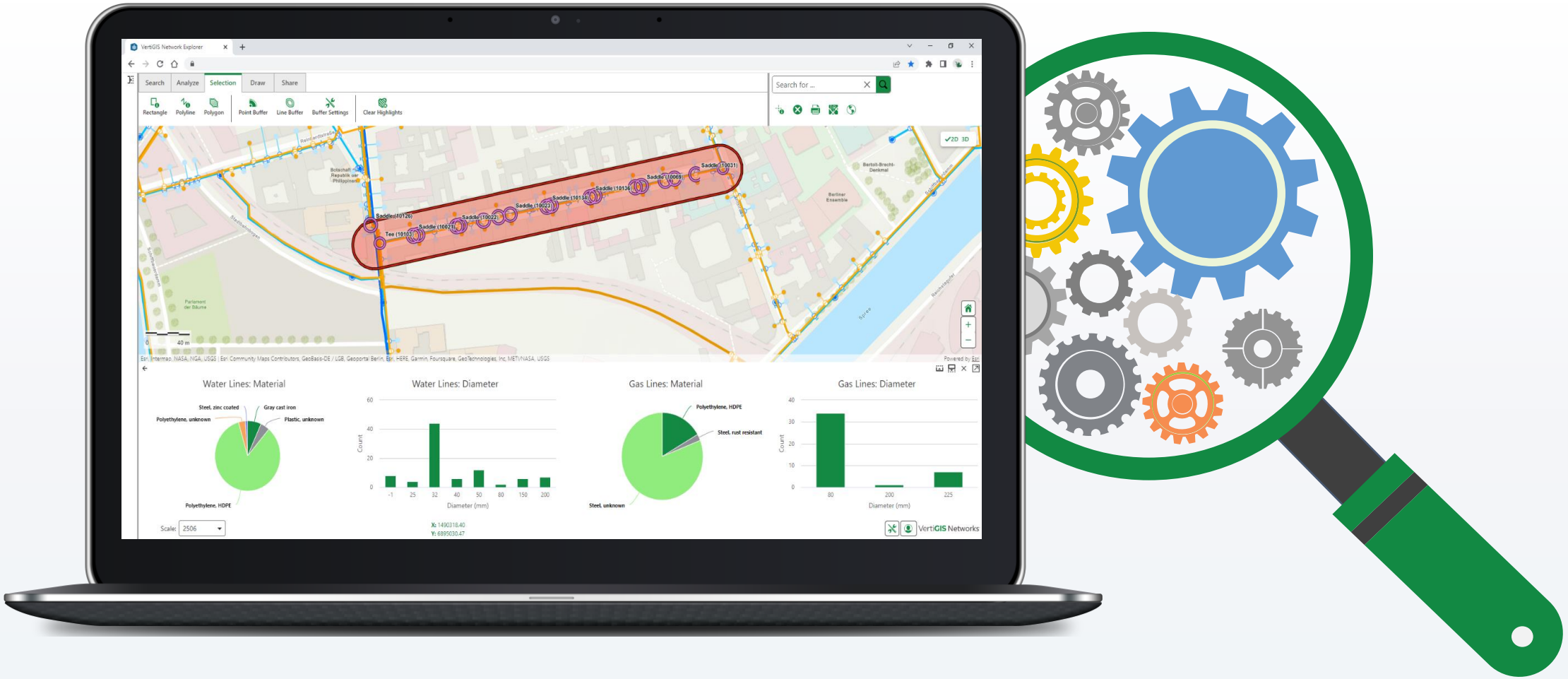
Out-of-the-box tools for Tracing, Schematics, Queries and Editing Workflows

Configuration to meet your business requirements while **keeping pace with Esri's ArcGIS** updates

Asset Management Integration lets you focus on your daily business operations with

Access your Utility Network **anywhere on any device**.

Demo: VertiGIS Networks



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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

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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

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Thank you!

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