

Expert software for analysis and asset management of water distribution, sewer and road systems

## **INTEGRATED** SOLUTION FOR ASSET MANAGEMENT

A modular system meeting the needs of Infrastructure Managers, Geomatic Departments and Engineering Consulting Firms

# INVENTORY • CONDITION • DECISION SUPPORT • FIELD OPERATION

- Data management and dissemination of information
- Understanding of system operations and malfunctions analysis made easy for optimized decision-making
- Scenarios analysis easily configured to identify:
- Hydraulic capacity
- Emergency response
- Infrastructure improvement interventions
- Interventions prioritization based on desired level of service
- Customizable grading system for intervention priorities
- Essential tool for an Integrated Intervention Plan based on assets condition
- Synchronization with commercial and corporate databases as well as other expert software
- Stand-alone platform and/or ArcGIS extension



THREE INFRASTRUCTURES • ONE SOFTWARE • ONE INTERFACE



















**EXPERT SOFTWARE FOR** ANALYSIS AND ASSET MANAGEMENT OF WATER DISTRIBUTION, SEWER AND ROAD SYSTEMS.









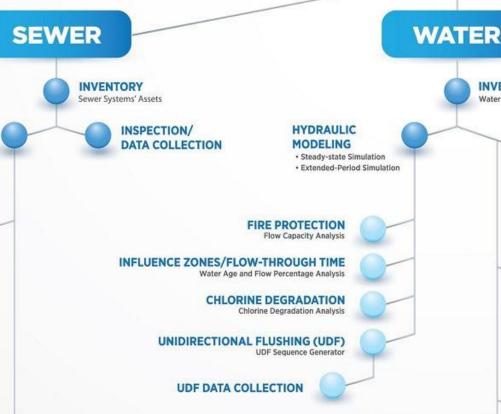
INVENTORY

Water Distribution System Assets





**EVENTS RECORDER** 





INVENTORY

Road System Assets

### **FIRE HYDRANT MANAGEMENT**

- Inspection and Maintenance Records Managen
- · Work Order Management · Failure Analysis
- · Query Generator
- Prioritization
- · Reporting



#### INSPECTION/DATA COLLECTION

#### VALVE MANAGEMENT

- Inspection and Maintenance Records Management
- · Work Order Management
- Failure Analysis Query Generator
- Prioritization
- Reporting



INSPECTION/DATA COLLECTION

#### WATER METER MANAGEMENT

- Account Managemen
- · Invoicing Data
- Water Demand Allocator
- · Query Generator



#### PIPE MANAGEMENT

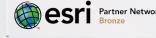
- . Breaks, Leaks & Complaints Record Management
- Query Generator
- · Structural Grading Hydraulic Grading
- · Performance Grading
- · Monitoring



**EXPERT SOFTWARE** 



aquaGEO is a trademark of Aqua Data ArcGIS is a trademark of Esri Direxyon is a trademark of Direxyon













DIREX YON INTEGRATED DECISION-MAKING SUPPORT SYSTEM - STRATEGIC INVESTMENT PLAN

INTEGRATOR - INTEGRATED DECISION SUPPORT SYSTEM - CAPITAL IMPROVEMENT MASTER PLANS