Integrating Geospatial into Smart Cities

Geospatial World Forum 2018

Chris Gibson
Digital Technologies
• Connectivity for info sharing
• Smart sensors and systems
• Open data access

Smart Infrastructure
• Energy, Water, Trans, Buildings
• Health, Education
• Sustainability, Efficiency
• Secure and Open data sharing

Collaboration, Engagement
• Citizens + Government + Industry
• Break silos, agency cohesion
• Process transparency
Targeting Specific Industry Challenges
Connecting the Physical and Digital Worlds

Capturing Digital Models, Sensing & Monitoring

Modeling, Workflow & Analytics

Bringing Digital to the Physical World
Integrated Capabilities

Capital and maintenance teams within owners, developers, municipalities

Inhabitants, visitors, rescue departments, city service providers and more

People empowered to make better planning, services and community

People, stakeholders, constituents

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GIS

ICT

IWMS

BIM

Analytics

Command Center

PPP

AEC+O Community

= People, stakeholders, constituents
Trimble Smart Water

North American Leader in Smart Water, Wastewater and Stormwater Solutions

- Water Infrastructure Resilience & Sustainability
- Leakage and Pressure Management
- Public Health & Environmental Compliance
- Infrastructure and Asset Management

3,500+ customers
Suite of Smart Water IoT Solutions

Mapping & Asset Management  
Mobility  
IoT & Remote Monitoring  
Event Management

Connecting the Physical and Digital Worlds

Trimble Unity
Technology Deployed to Broad Range of Wireless Smart Water IoT Solutions

Water Supply & Distribution
Proactively monitor leakage/non-revenue water, water level, quality, flow, rainfall, pressure and transient events

Wastewater & Stormwater
Proactively reduce CSO/SSO’s and monitor wastewater and stormwater flows, levels, rainfall and lift stations
Pipeline Maintenance

An innovative solution for proactively identifying leaks, pinpointing their exact locations and monitoring asset condition, by using highly sensitive acoustic sensors, management software & mobile applications.

- Fixed Leak Detection System
- Mobile Leak Detection System
• Collaboration between authorities, business and citizens

• Collaboration between city professionals, technology and service providers

• Great vision, leadership, governance and execution will enable Smart Cities
Thank You