

# Esri *Solutions*

Mike Miller

Solutions make the power of ArcGIS,  
relevant and easier to understand and use.

Solutions can be very simple explanations,  
repeatable templates or products.

# Solution Templates

Growing Platform Adoption  
Make Users More Effective and  
Efficient



*Leveraging the Platform for Delivering Business Value*

# Solution Templates

What do you get?

## Maps

- Web Maps
- Desktop Maps
- 3D Scenes

## Apps

- Ready-to-use
- Configurable
- Web
- Mobile
- Desktop Add-ons and Toolboxes

## Platform Configurations

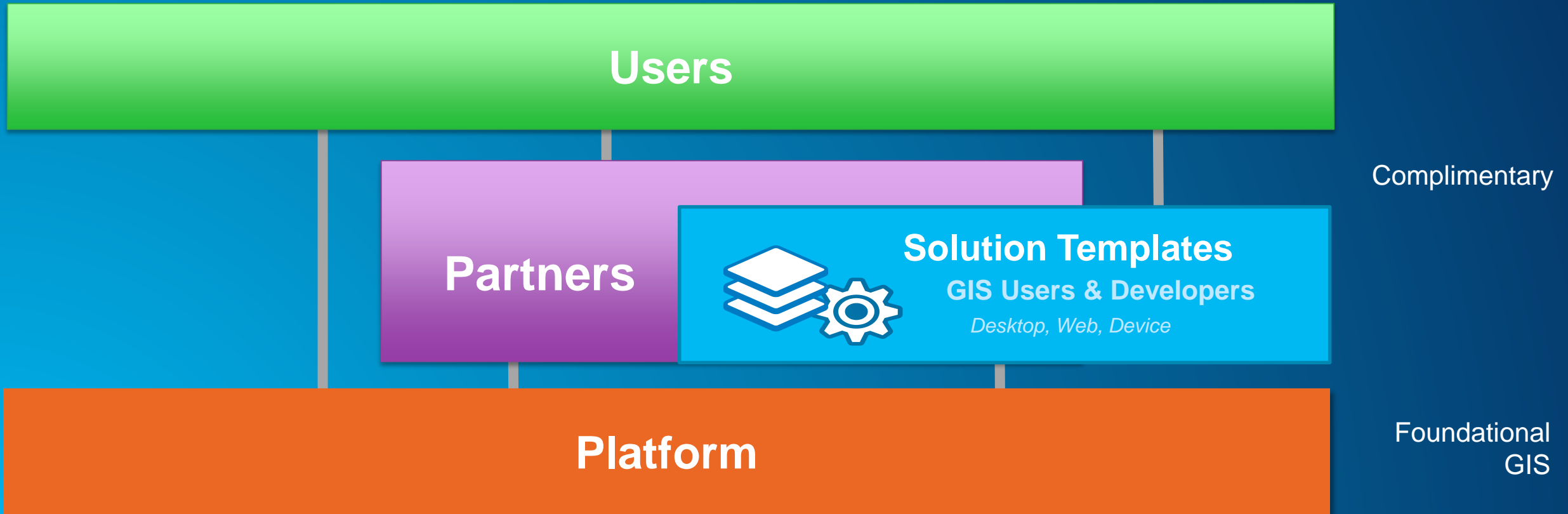
- Example Organization Model  
(groups, users/roles, maps, apps,...)
- Information Models

## Supporting material

- Documentation
- Community
- Technical Support
- Source Code

# Solutions Extend ArcGIS and Enable Partners

Providing Code, Patterns and Apps to Inspire, Extend, or Implement



## Why use Templates?

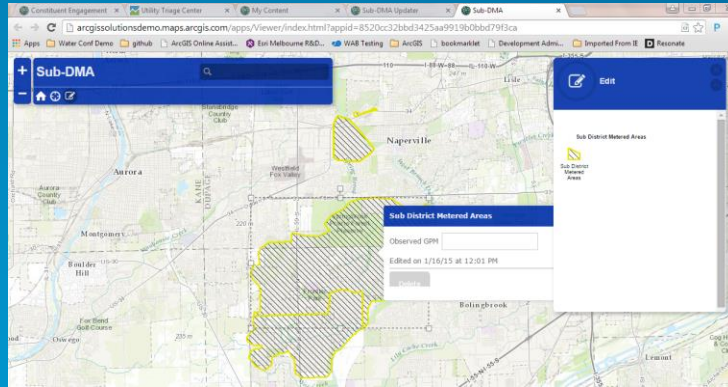
- **Rapidly stand up new workflows**
- **Flexible to match your workflow**
- **Jumpstart you data design**
- **Utility focused extensions**



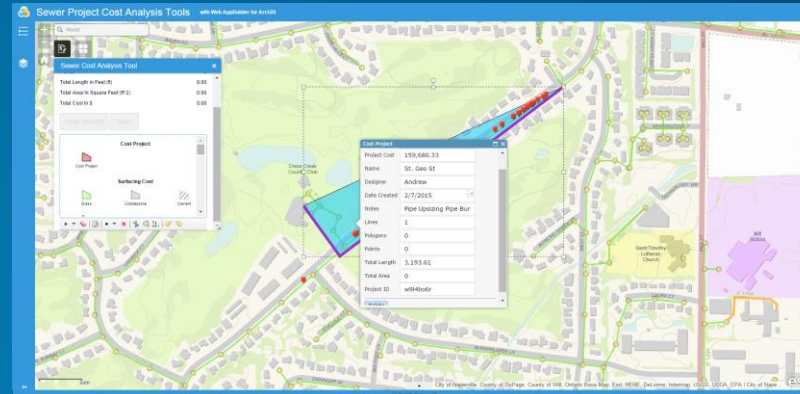
# Water Utilities – Current Maps, Apps, and Configurations

Asset Management Capital Planning	Accounting / Water Loss	Compliance	Safety / Enforcement	Customer Care	Entire Org
Manhole Inspection	High/Low Water Consumption	Construction Site Violation	Illicit Discharge Trace	Outage Viewer	Sanitary Sewer Network Map
Water Leak Investigator	Watering Violations	Inlet Inspection	Watering Restrictions	Capital Project	Stormwater Network Map
Valve Exercising	Water Conservation Dashboard	MS4 Inventory Recorder	Main Break Notification	Social Media Sentiment for Water	Water Distribution Network Map
Map Change Request for Water		Water Inventory Reports		Green Infrastructure	Local Government Basemaps
Water Utility Network Editing		Combined Sewer Overflow		Drinking Water Advisory	Local Government Information Model
CCTV Processor		Outage Viewer		Sewer Service Lookup	Water Asset Locator
Water Utility Capital Planning				Customer Complaints	Water Utilities ArcGIS Online Model Organization
Pavement Project Coordination					Water SCADA Processor
Proposed Water Design					Water Utility Mobile Map
Backflow Inspection					Map Notes for Water
Fire Flow Inspection					
Hydrant Visual Inspection					
Utility Isolation Trace					

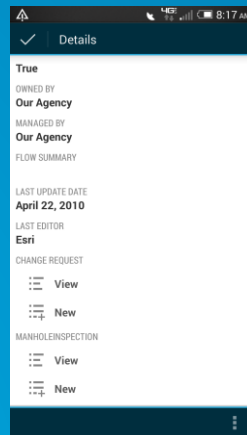
# Road Ahead



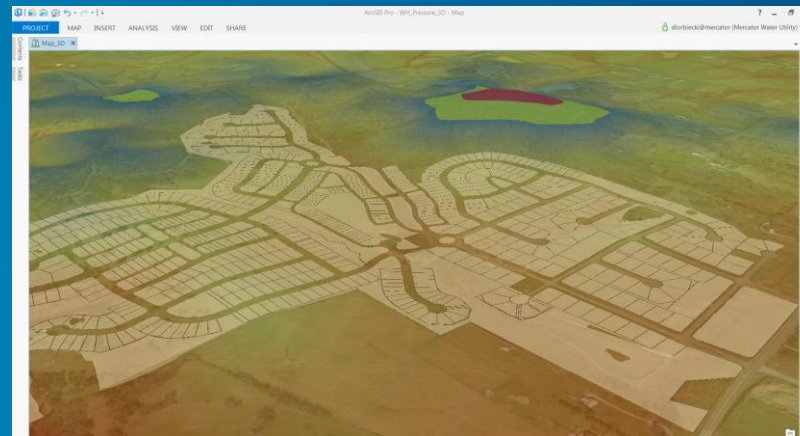
SubDMA Planning and Analysis



An updated set of CIP apps



Moving inspections to relationships



Pressure Analysis and Visualization



# Summary

- **ArcGIS for Water Utilities is a free configuration of the ArcGIS Platform**
- **ArcGIS for Water Utilities solves common water utility business problems**
- **New apps and solutions driven by your feedback**

Utility Triage Center

Illegal Activity

Leaks and Damaged Equipment Console

Damaged Structure

Fire Hydrant Leak

Other

Water Leak

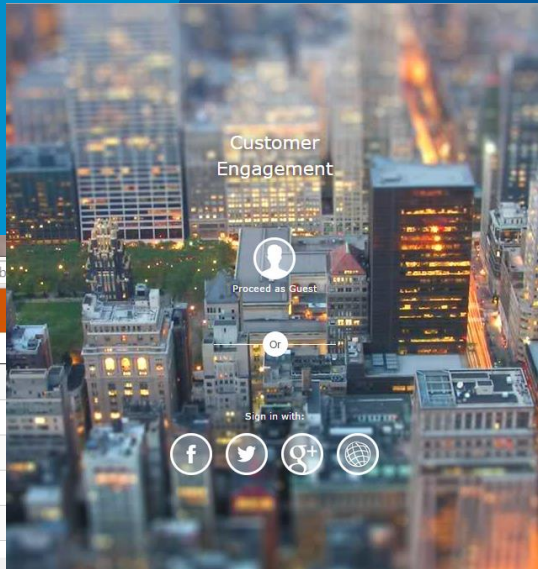
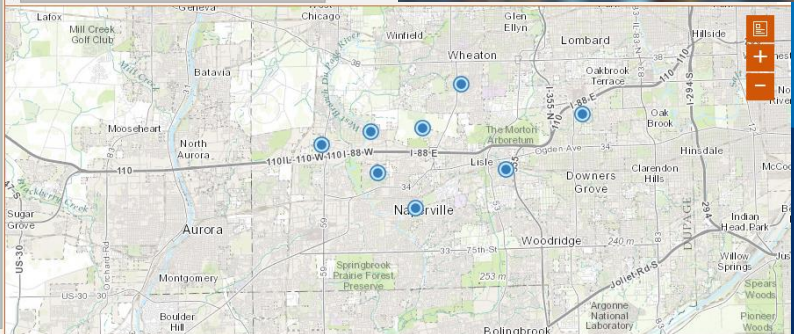
Service Problems

Storm Issues

Vegetation Issues

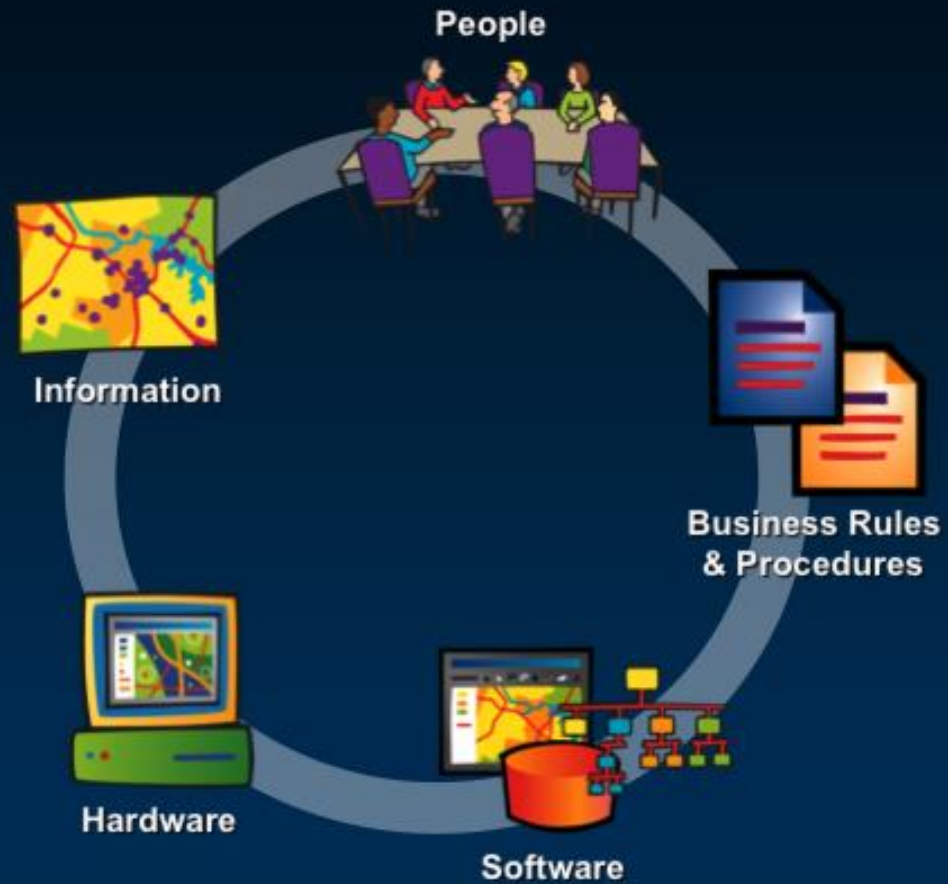
Water Quality

Type of Issue	First and Last Name
Fire Hydrant	Michael Miller
Storm Grate	Howard Crother
Fire Hydrant	
Fire Hydrant	



# Customer Engagement

## There are 5 key Elements in a GIS Solution



**A blast from the Past**

Today... content is still key

ArcGIS FEATURES PLANS GALLERY MAP SCENE HELP

Howard esri

## Living Atlas of the World

Search Living Atlas Gallery

Themes

- All
- Basemaps
- Imagery
- Demographics
- Lifestyles
- Landscape
- Earth Observations
- Urban Systems
- Transportation
- Boundaries and Places
- Historical Maps
- Story Maps

<b>Severe Weather Web Map</b> By JFernandezDRP	<b>Snowfall Forecast Map</b> By rdemingDRP	<b>Battle of Gettysburg</b> By StoryMaps	<b>1942 Pacific Ocean Theater of War</b> By NationalGeographic	<b>Highway Access in Europe</b> By AtlasPublisher	<b>Current Ocean Conditions</b> By oceanrac
<b>Terrain</b> By esri	<b>USA Topo Maps</b> By esri	<b>Gavle Population Density</b> By UOdocent	<b>World Traffic Map</b> By esri	<b>2014 Child Care Spending in the United S ...</b> By esri	<b>Average Household Size in Ireland</b> By esri
<b>2014 Unemployment Rate in the United Sta ...</b> By esri	<b>2014 Diversity in the United States</b> By esri	<b>2014 Health Insurance Spending in the Un ...</b> By esri	<b>High Income Households in Australia</b> By esri	<b>2014 Median Home Value in the United Sta ...</b> By esri	<b>2014 Alcoholic Beverage Spending in the ...</b> By esri
<b>2014 Average Household Income in the Uni ...</b> By esri	<b>Foreign Population in Germany</b> By esri	<b>Average Household Income in France</b> By esri	<b>2014 Median Household Income in Canada</b> By esri	<b>Bank Use in India</b> By esri	<b>Average Household Income in South Korea</b> By esri
					<b>2014 High Credit Card Expenditures in th ...</b> By esri

**ArcGIS includes a Living Atlas of Content**

Discoverable, read to use & constantly growing