# Making the Most of Maximo and ArcGIS Integration

Andy Stewart ActiveG - Managing Partner

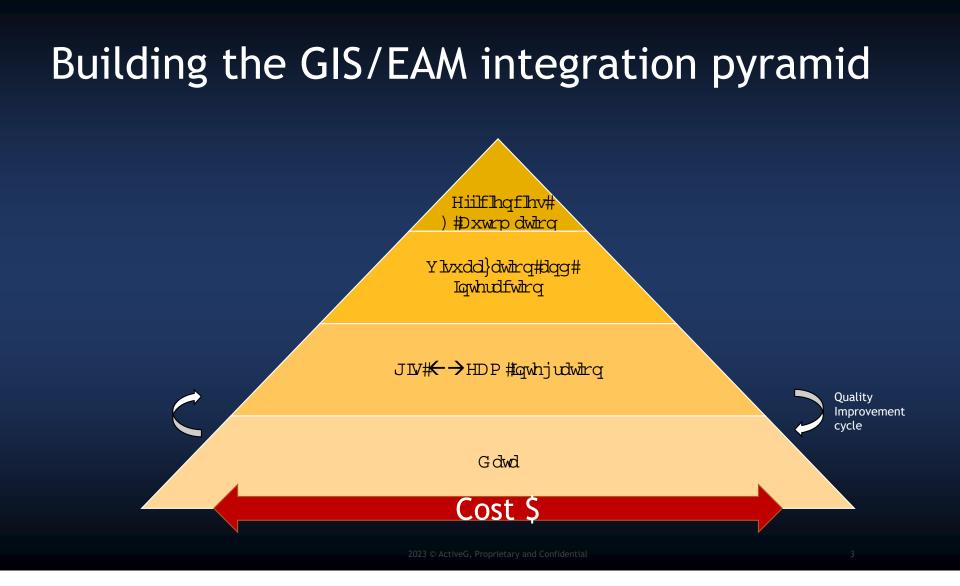
March 19, 2024



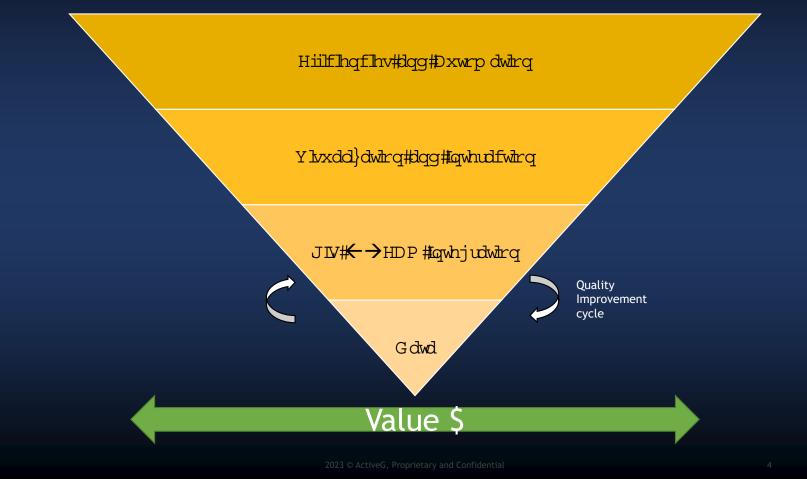
## **Quirkology** Channel

## ASSUMPTIONS

#### www.RichardWiseman.com



#### Building the GIS/EAM integration pyramid









#### Esri Field Apps

Esri Field Apps help you to:

- Create and configure maps to fit your organization's Maximo and GIS workflows.
- Collect and update information in the field and log your current location.
- Use the apps online or offline—regardless of your network availability.

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Goat Head	
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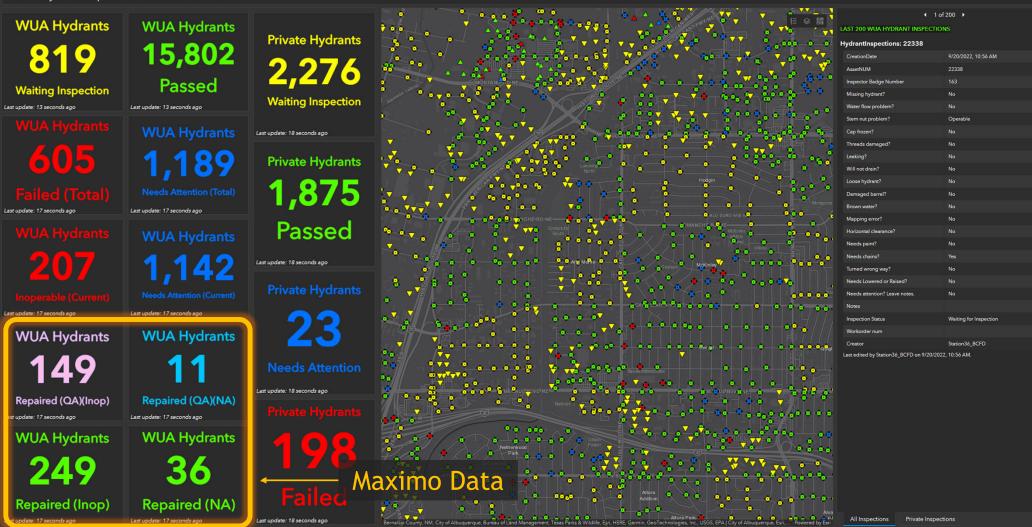


#### Reasons companies choose ArcGIS/Maximo Integration

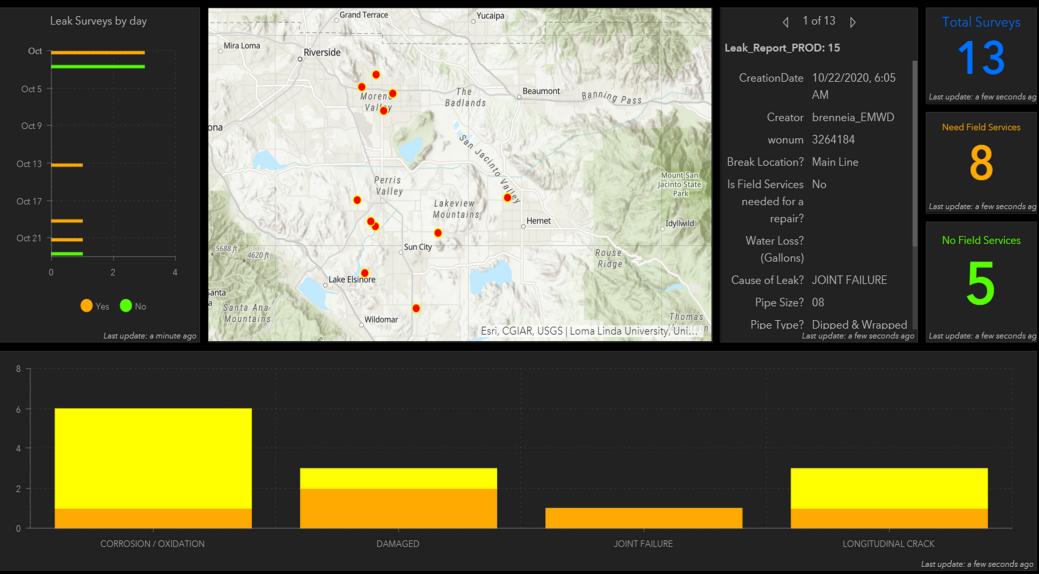
Leak Report	
Break Location?*	
0	0
Service Line	Main Line
Is Field Services needed for a repair?*	
0	0
Yes	No
Water Loss? (Gallons)	
Cause of Leak?	

- Easy to configure and deploy
  - No coding required
- Spatial visualization baked into the entire process
- Easy to tailor the process to client needs
- Robust reporting
- Closed loop
  - Report→Validate→Repair→Report
- Simple, effective user interface

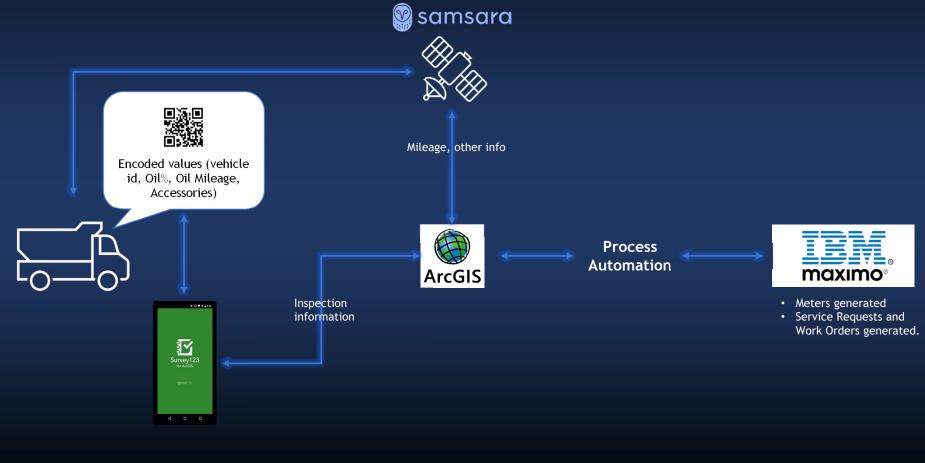
PROD Hydrant Inspections Dashboard ADMIN



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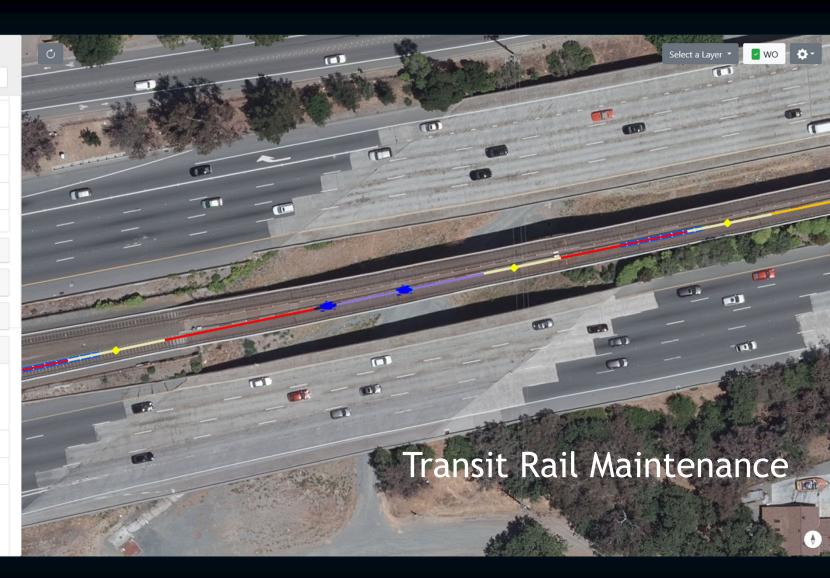


#### Fleet safety and maintenance management with ArcGIS



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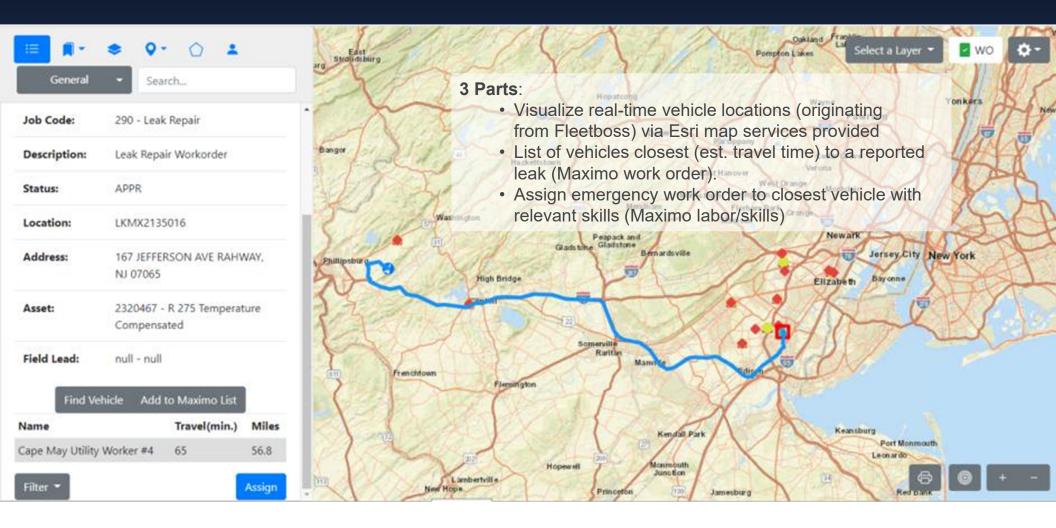


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#### Emergency Dispatch

**Background:** Rapid response to reported gas leaks is critical. Client needed a way to assign the nearest, available, qualified crew to gas emergency work orders.

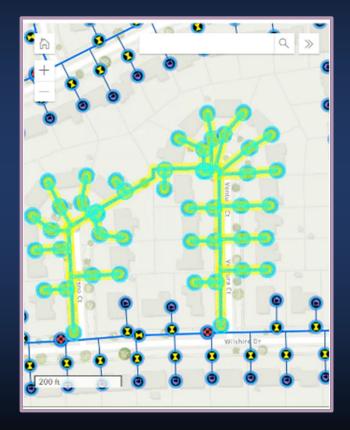


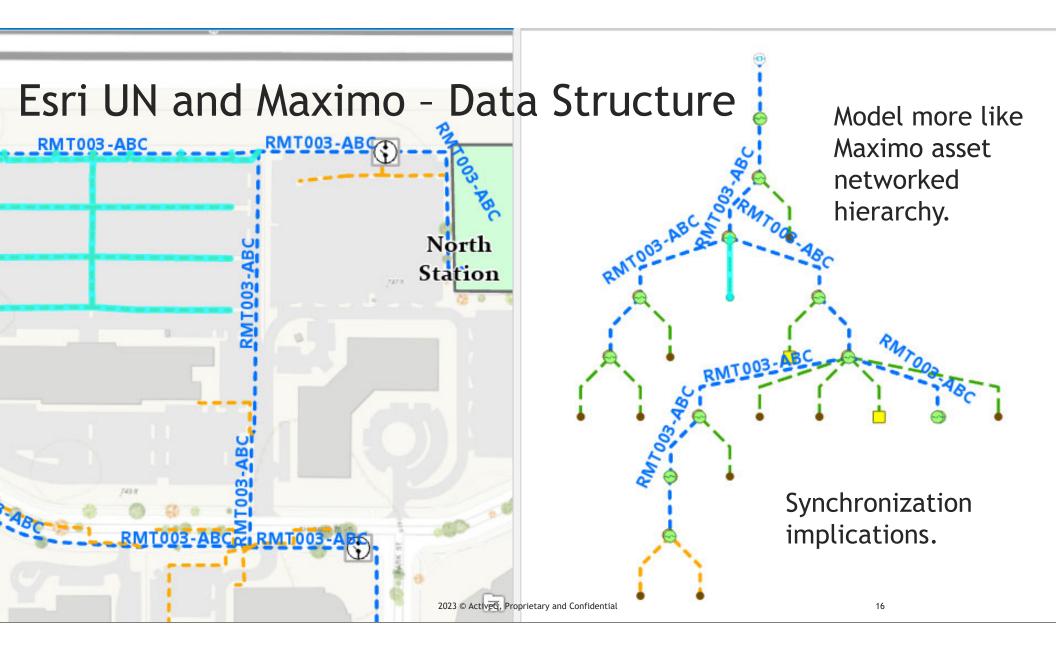
#### Introduction to Esri Utility Network

- Advanced GIS framework
- Manages complex utility & infrastructure data
- Offers detailed modeling, analytics, real-time management
- Offers a more advanced and flexible data model that supports a multi-tiered network architecture

#### Key Features of Utility Network

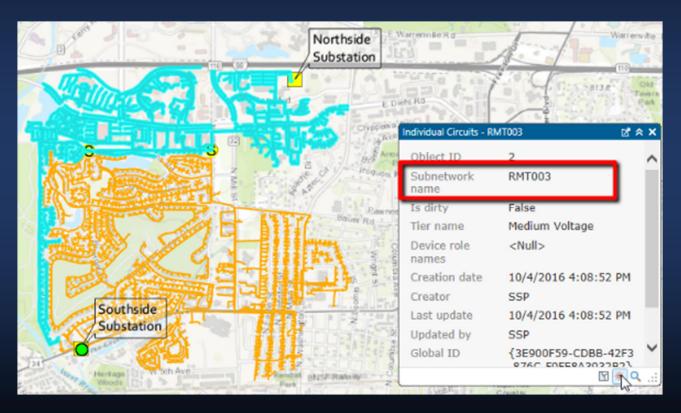
- Detailed network modeling capabilities
- Supports diverse utility types (electric, water, gas, etc.)
- Enhanced data validation rules
- Multi-user editing & web service integration





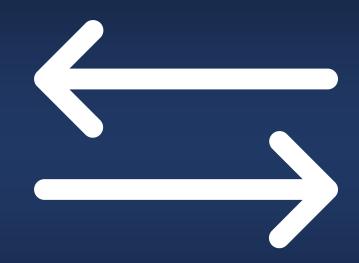
### Esri UN and Maximo - Tracing

- Trace network features upstream or downstream from a given location.
  - water utilities can determine which valves to shut off when a pipe bursts.
  - an outage from an electrical network can affect the delivery of another resource, such as gas or water.



## 4 Keys to Useful GIS/Maximo Integration

- Start with data sync
- Only sync essentials needed for decisions
- Build fit-for-purpose processes
- Leverage location intelligence to streamline user experience



#### Start with data sync



#### Only sync essentials for decisions

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#### Build fit-forpurpose processes

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Leverage location intelligence to streamline user experience





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