Making the Most of Maximo and ArcGIS Integration

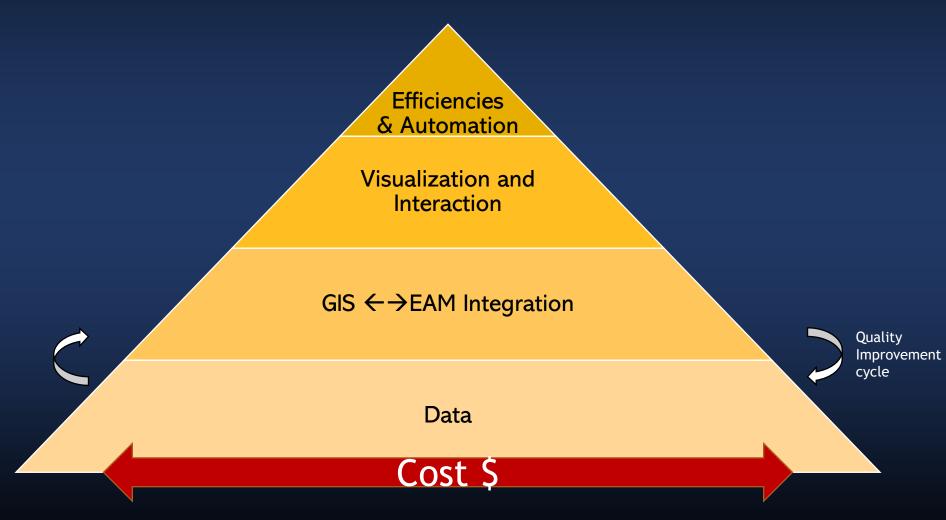
Andy Stewart ActiveG - Managing Partner

September 21, 2023

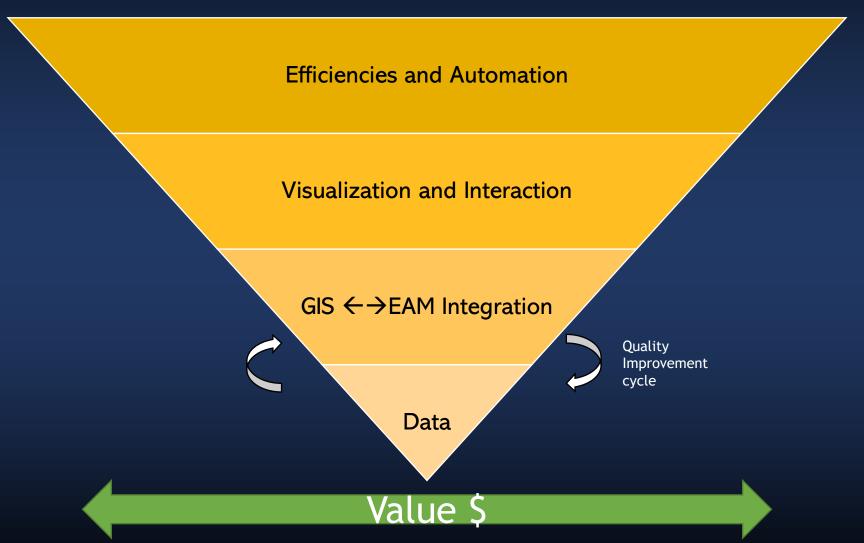




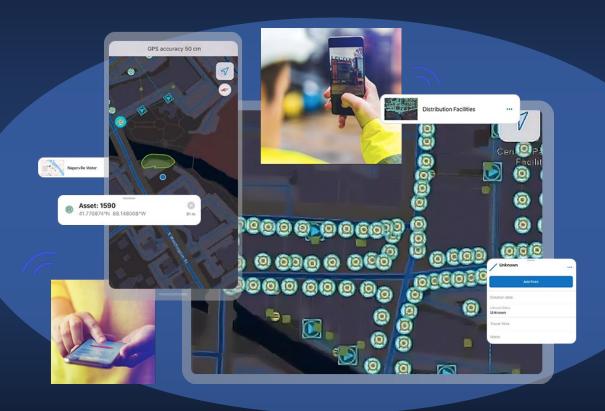
Building the GIS/EAM integration pyramid



Building the GIS/EAM integration pyramid



Esri Solutions







Esri Solutions





- Monitor invasive pests
- Protect Water Quality

Assessment and Taxation

- Public Notification
- Address Field Operations

Elections

• Election Management

- EMS • Damage assessment

Emergency

Management

Debris reporting

Fire Service

- Fire incident dashboard Hydrant inspection
- Wildlife
- Observations



Fish and Wildlife

- Conservation easement monitoring



Health and Human Services

- Community Health Assessment
- Homeless Pointin-Time Counts
- Mosquito Surveillance



Law Enforcement

- Daily Activities
- Special Event Operations



Natural Resources

- Dam Safety
- Conservation easement monitoring

Development

- Public
- Notification • Citizen Problem Reporter
- Code Enforcement



Planning and

- Lead Service Line Inventory
 - ROW Asset Inventory
 - Citizen Problem Reporter
 - Public Notification
 - Fleet Management



Transportation

- ROW Asset Inventory
- Capital Project Tracking
- Participatory Budgeting
- Citizen Problem Reporter

Esri Field Apps

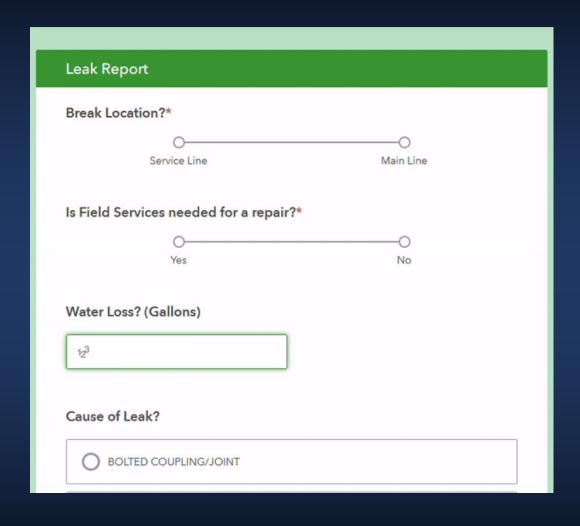
Esri Field Apps help you to:

- 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.





Reasons companies choose ArcGIS/Maximo Integration



- 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

WUA Hydrants

819

Waiting Inspection

Last update: 13 seconds ago

WUA Hydrants

605

Failed (Total)

ast update: 17 seconds ag

WUA Hydrants

207

Inoperable (Current

st update: 17 seconds ago

WUA Hydrants

149

Repaired (QA)(Inop)

st update: 17 seconds ago

WUA Hydrants

249

Repaired (Inop)

odate: 17 seconds ago

WUA Hydrants

15,802

Passed

Last update: 13 seconds ago

WUA Hydrants

1,189

Needs Attention (Total)

Last update: 17 seconds ago

WUA Hydrants

1,142

Needs Attention (Current)

Last update: 17 seconds ago

WUA Hydrants

11

Repaired (QA)(NA)

Last update: 17 seconds ago

WUA Hydrants

36

Repaired (NA)

Private Hydrants

2,276

Waiting Inspection

Last update: 18 seconds ago

Private Hydrants

1,875

Passed

Last update: 18 seconds ago

Private Hydrants

23

Needs Attention

Last update: 18 seconds ago

Private Hydrant

198

Failed

Maximo Data

Last update: 18 seconds ago Bernalillo County, NM, City of Albuquerque, Bu

LAST 200 WUA HYDRANT INSPECTIONS

HydrantInspections: 22338



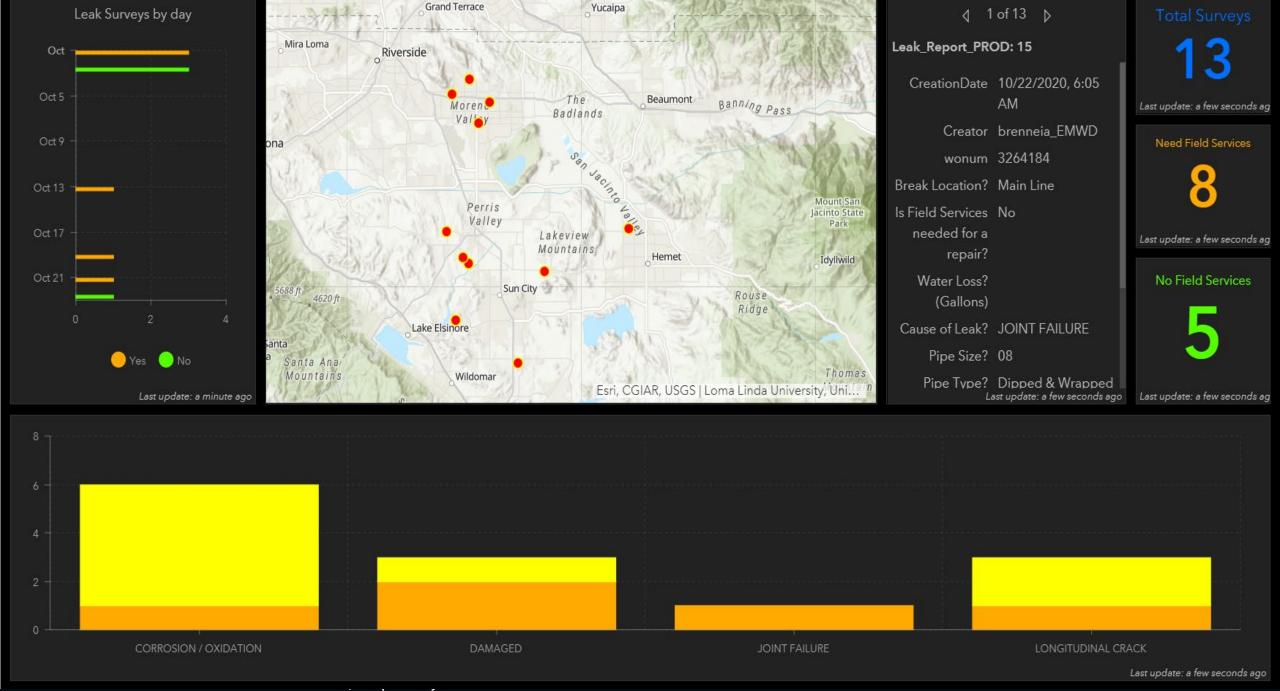
1 of 200 ▶

All Inspections

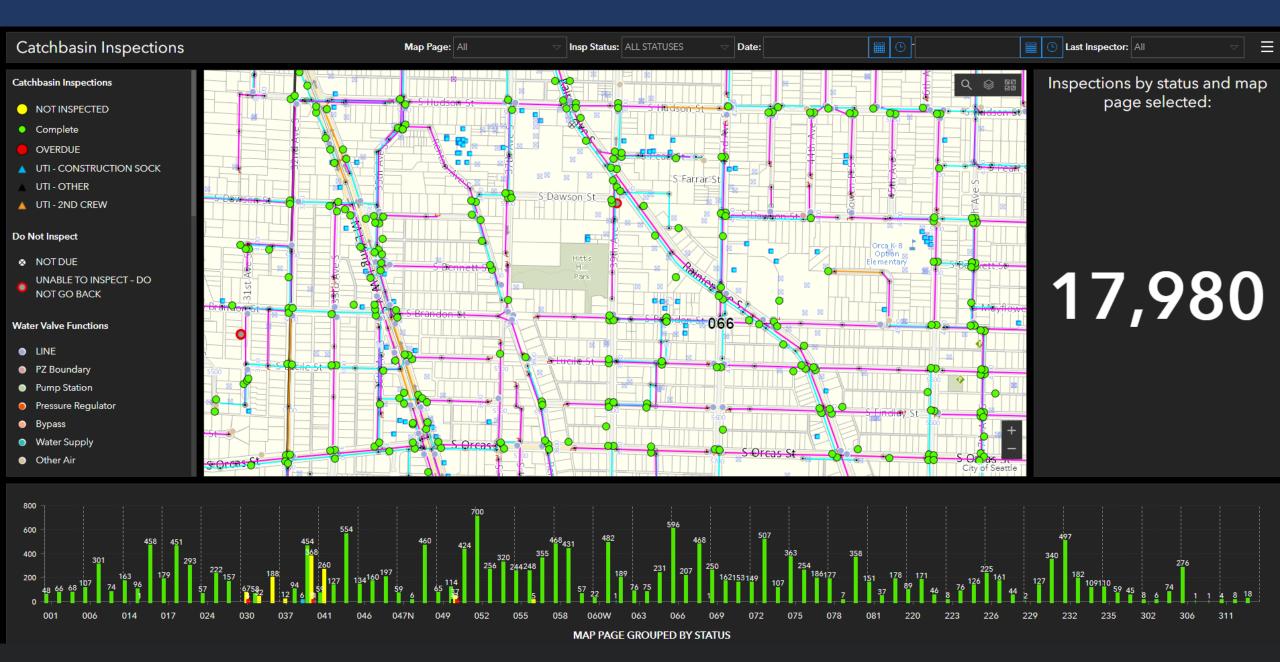
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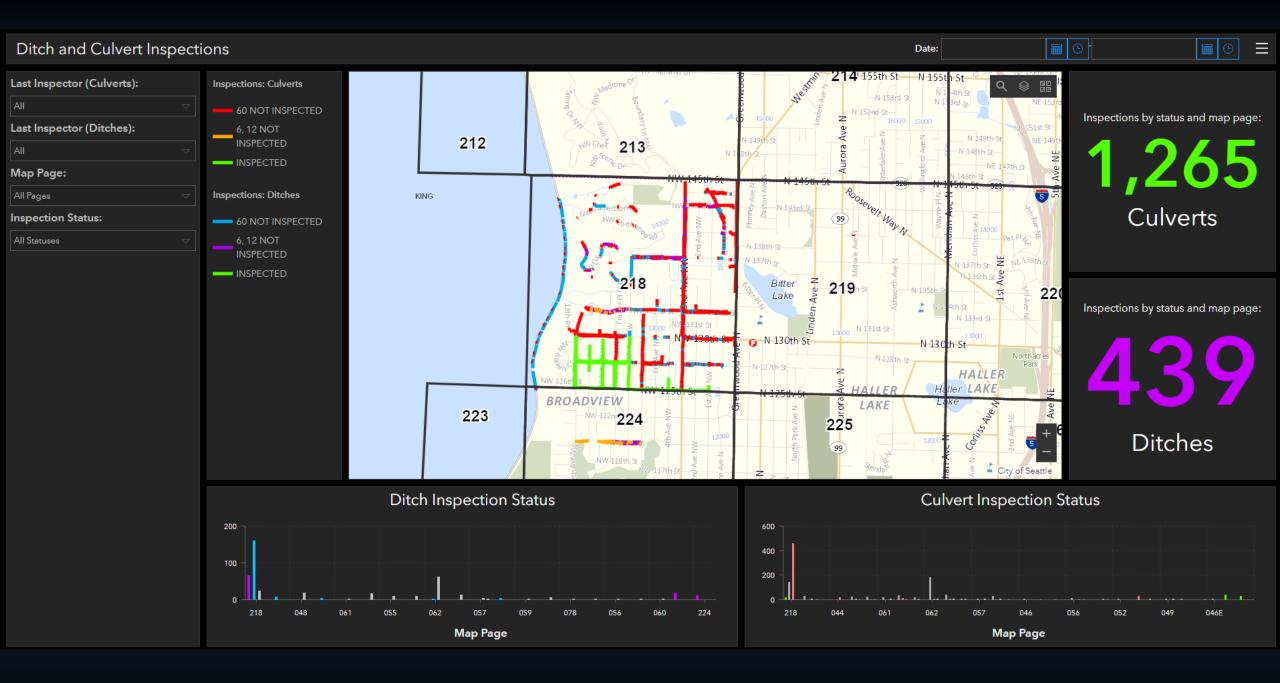
Private Inspections

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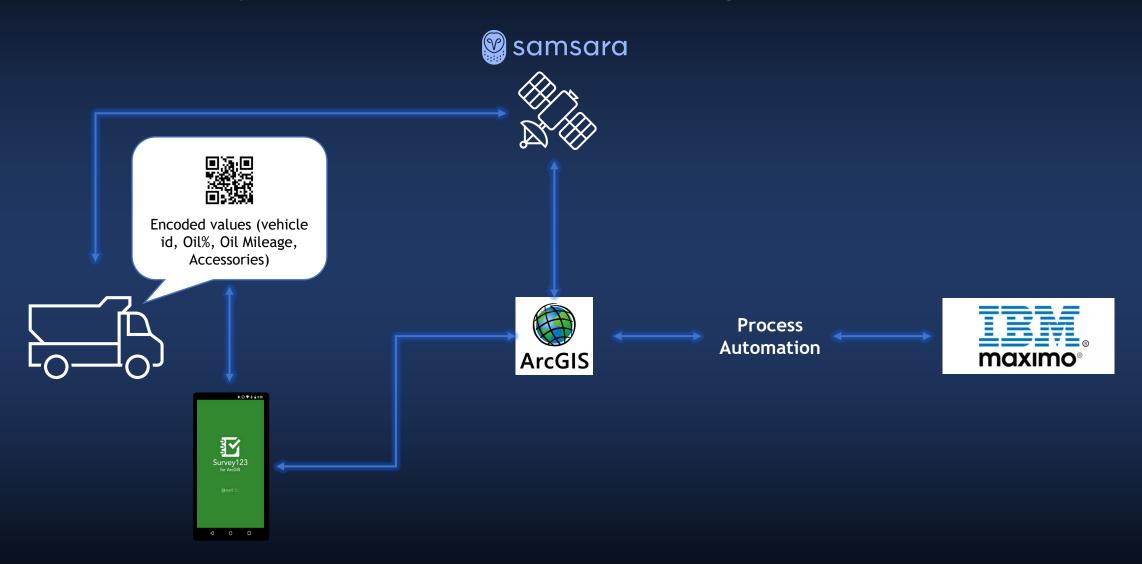


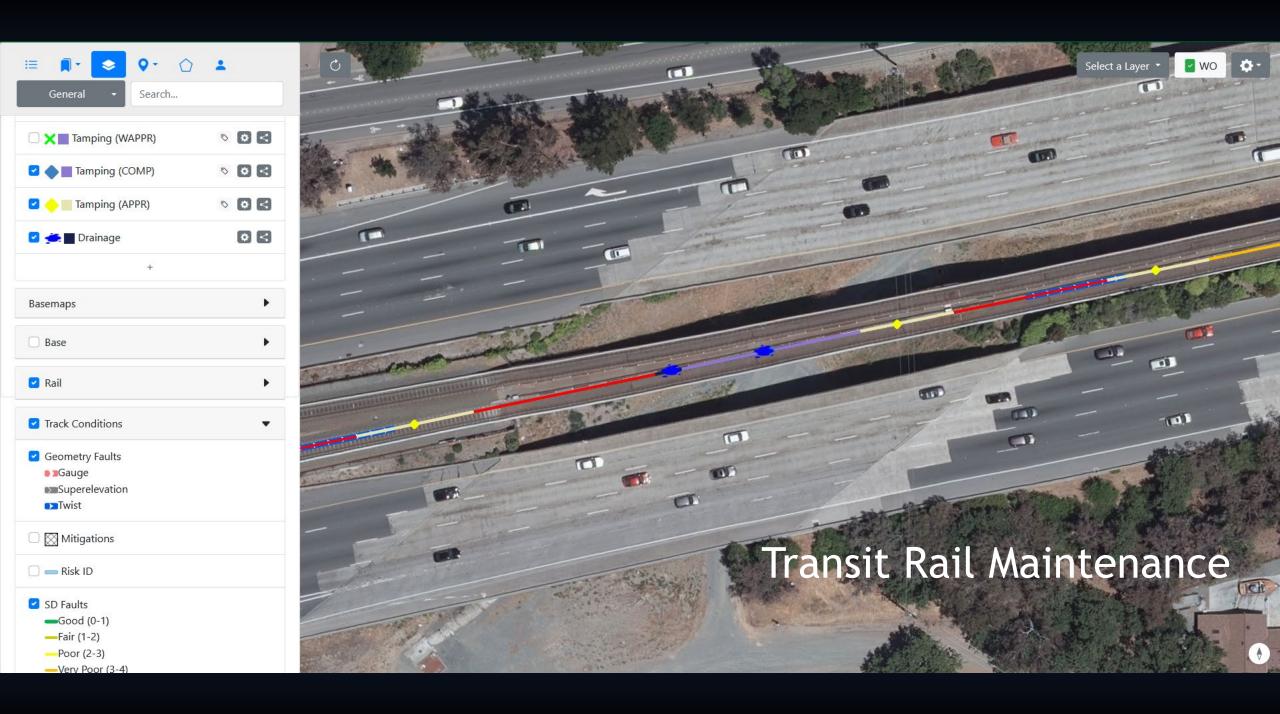
Grand Terrace

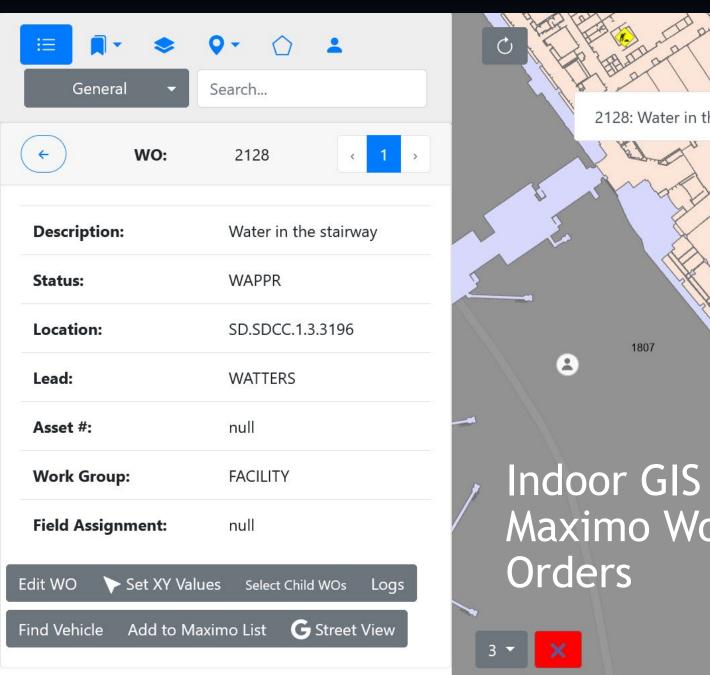




Fleet safety and maintenance management with ArcGIS



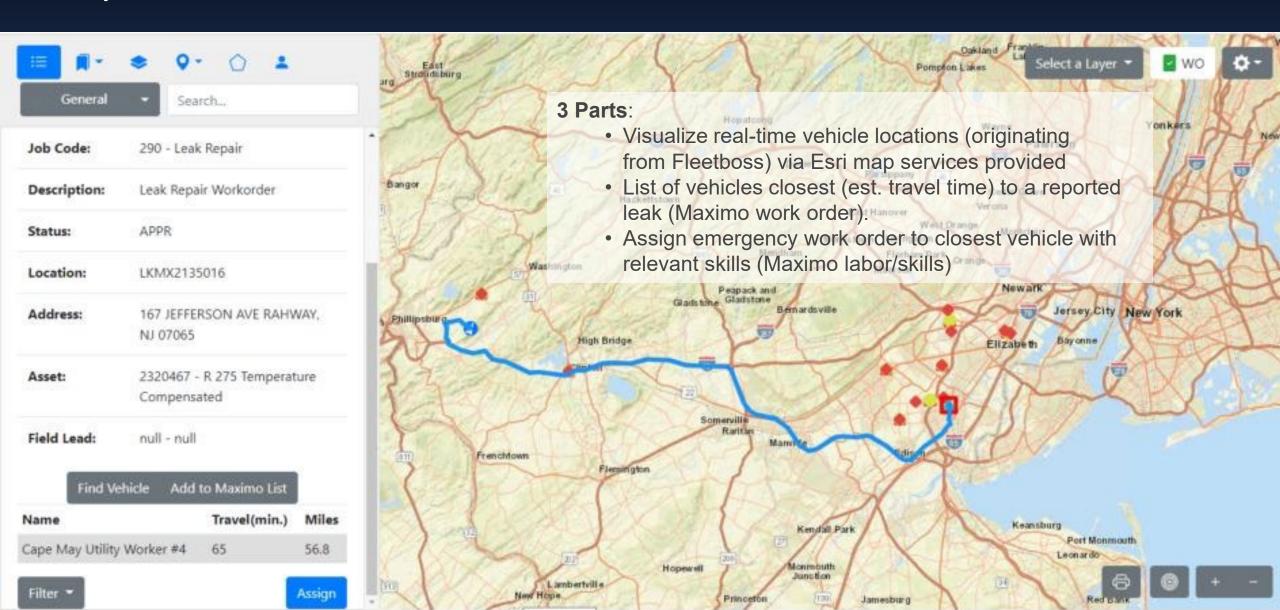






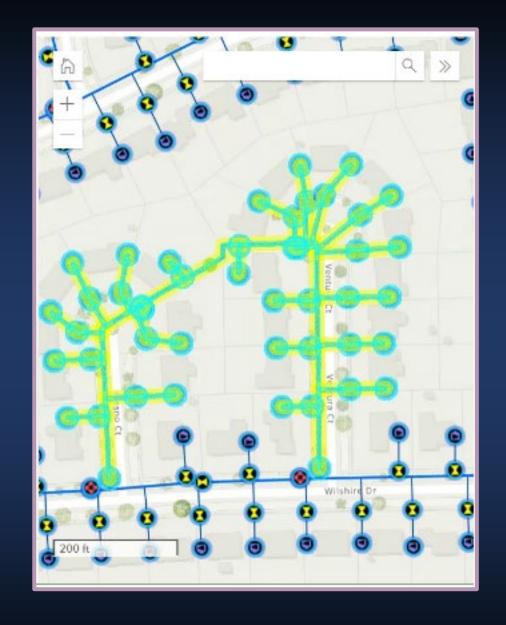
Emergency Dispatch

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.



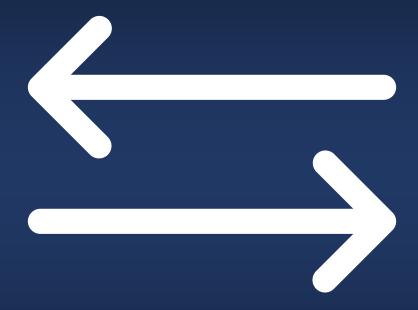
ArcGIS Utility Network

- Network domains let you model operation and structural networks in an integrated fashion,
- Network rules help you build networks that suit your business requirements.
- 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



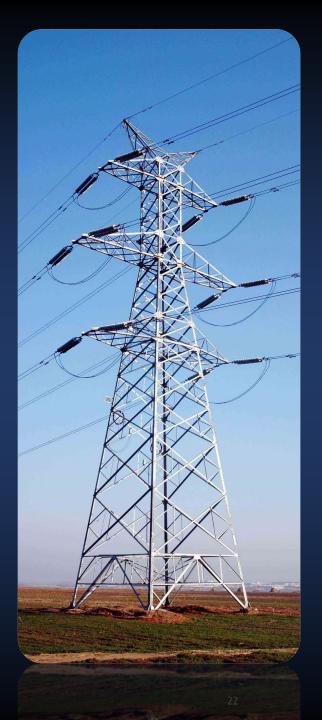
Start with data sync



Only sync essentials for decisions

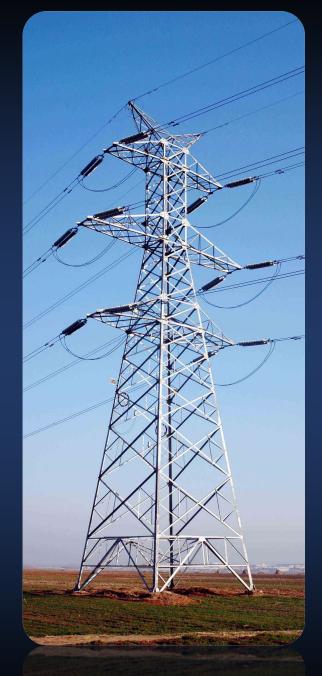
Build fit-forpurpose processes





Leverage location intelligence to streamline user experience







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