



Pat Hohl, PE  
Director, Electric

Esri

# Field Operations Series

## *Collect and Capture*



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THE  
SCIENCE  
OF  
WHERE

# Field Operations Webinar Series

for Electric and Gas

April 14th and 21st, 2021  
9:00 AM - 9:30 AM (PDT)



Part 1 – Tactical Awareness

Part 2 – Collect and Capture

# Collect and Capture



Pat Hohl, PE  
Director, Electric

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Tom Coolidge  
Director, Gas

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Tyler Pilarcik  
Lead Solution Engineer

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# Agenda

## Collect and Capture

- Overview
- Demonstrations - Workflows
- Questions & Take-Aways
- *Something New...*



# Collect and Capture



**Tom Coolidge**  
Director, Gas

Esri



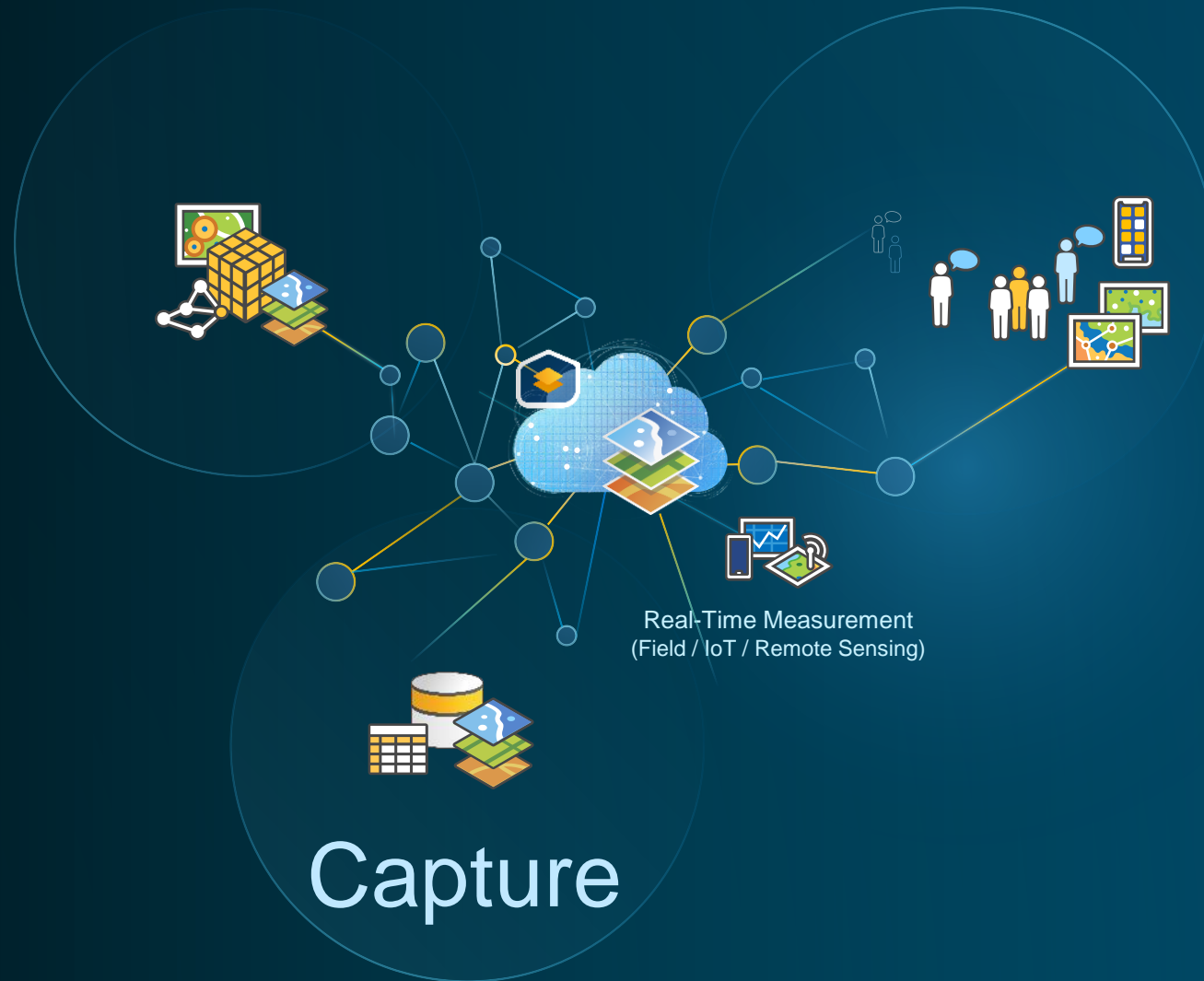




GIS is much more  
than just mapping



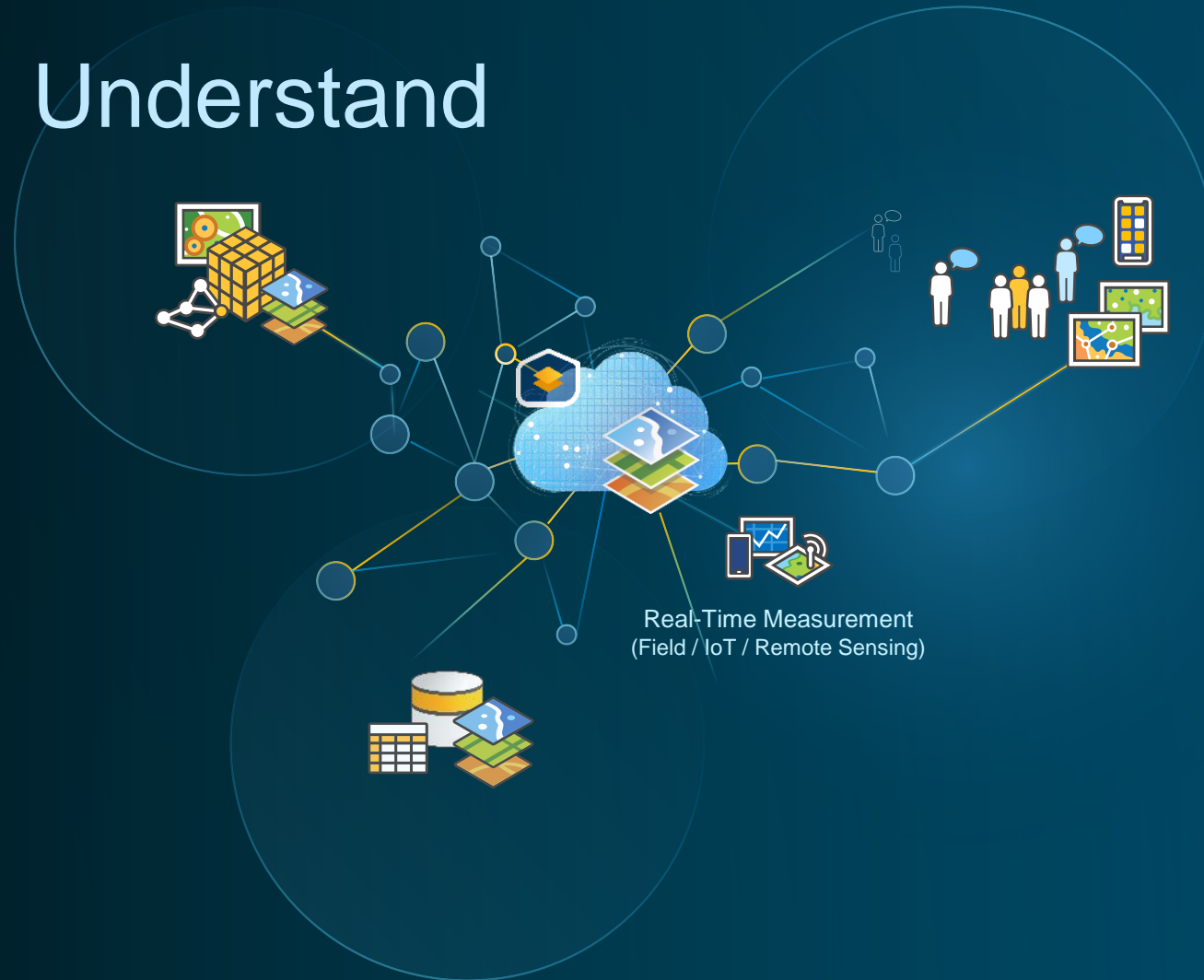
# ArcGIS – A Comprehensive System





# ArcGIS – A Comprehensive System

## Understand

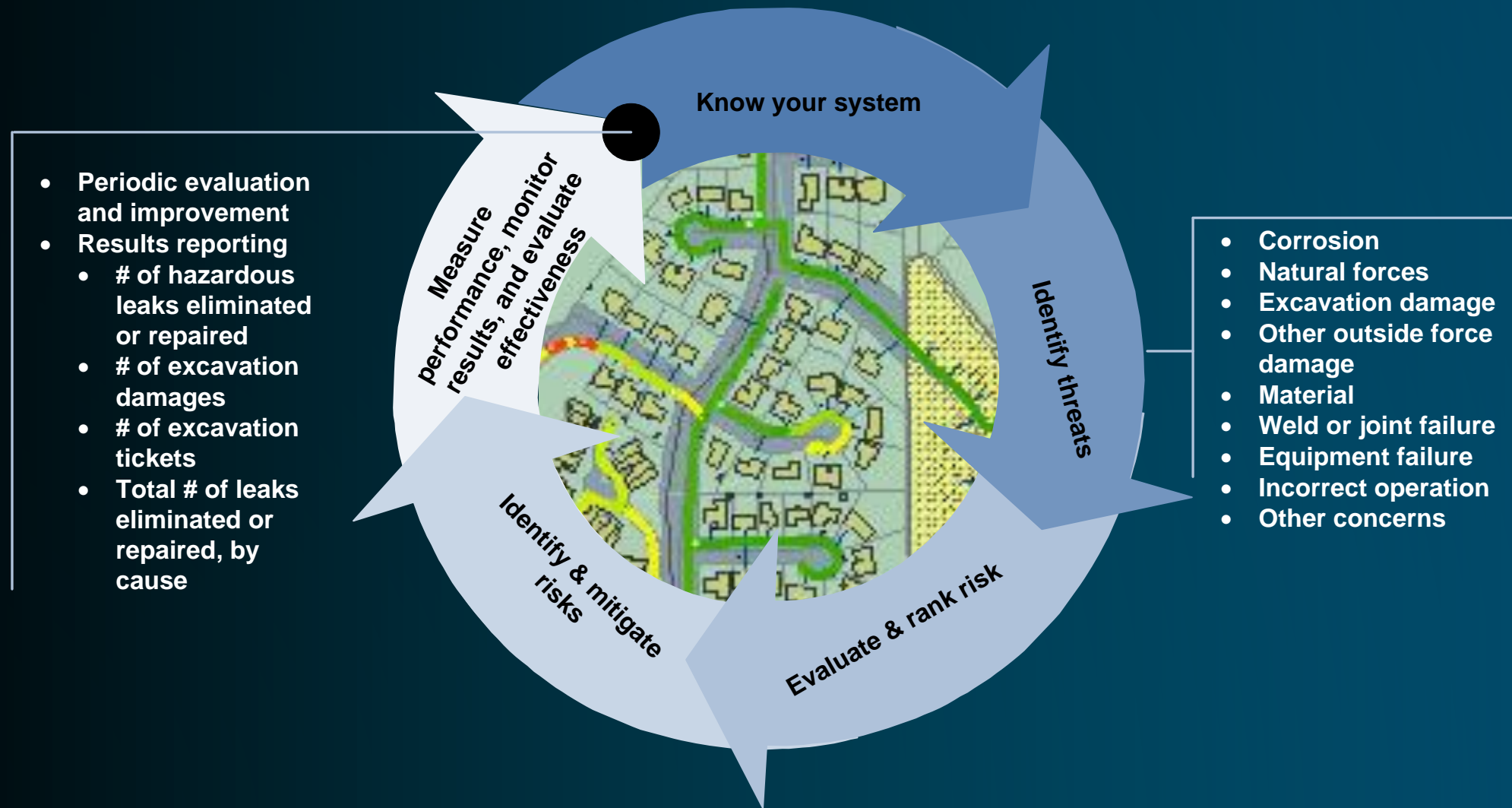


# ArcGIS – A Comprehensive System





# Gas Distribution Integrity Management



# Field Operations





LANDOWNER SURVEY PIPELINE INTEGRITY INSPECTIONS  
RELIGHT STATUS DAMAGE ASSESSMENT THREAT TRACKING REGULATOR SURVEY  
THREAT TRACKING  
FACILITY INSPECTION SEISMIC ACTIVITY TRACKING ILI SURVEY FACILITY INSPECTION LEAK SURVEY PIPELINE INSPECTION  
CORROSION SURVEY CLASS & HCA ANALYSIS  
LEAK SURVEY HAZARD ANALYSIS MAINTENANCE CLASS & HCA ANALYSIS PIPELINE INSPECTION AREA ISOLATION ANALYSIS CP INSPECTION  
CP INSPECTION CLASS & HCA ANALYSIS DAMAGE ASSESSMENT FLOOD SURVEY TURN-OFF STATUS VEGETATION SURVEY  
ODOR CALL TRACKING UTILITY LOCATE TRACKING UTILITY LOCATE TRACEABILITY SEISMIC ACTIVITY TRACEABILITY LANDOWNER SURVEY  
RELIGHT STATUS REGULATOR SURVEY ACCESS POINTS TO ROW HAZARD ANALYSIS LANDOWNER SURVEY CP INSPECTION MAINTENANCE  
EMERGENCY OPERATIONS  
TURN-OFF STATUS AREA ISOLATION ANALYSIS FLOOD SURVEY  
VALVE INSPECTION VALVE INSPECTION

# AS-BUILDING INSPECTIONS

# MAINTENANCE

# EMERGENCY OPERATIONS

# ArcGIS Collector

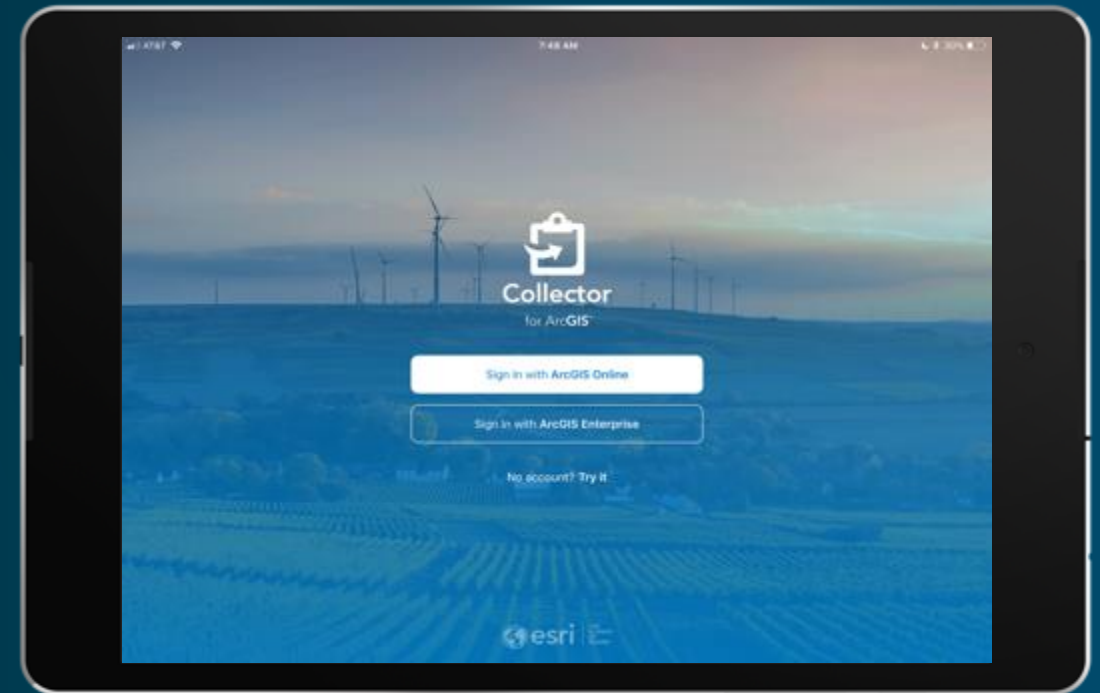


Efficient data collection

Works anywhere, anytime

High data accuracy

Accurate data collection made easy



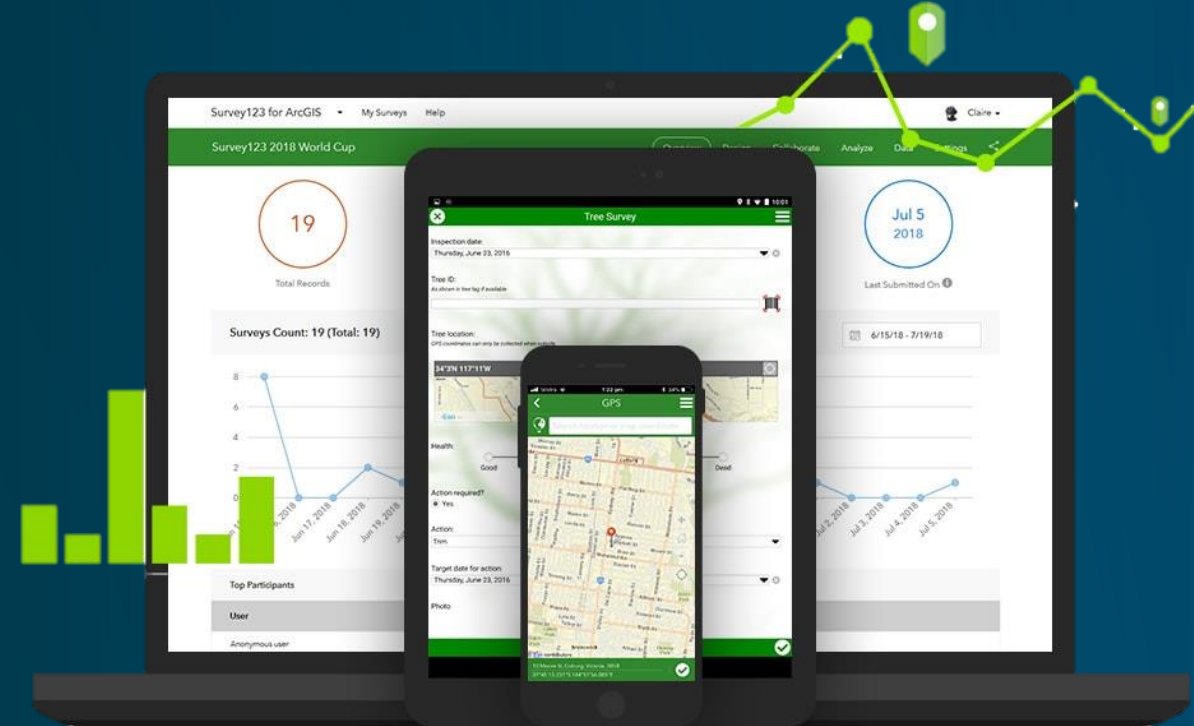
# ArcGIS Survey123



Simple data collection experience

Sophisticated smart form capabilities

Web & native



Form Centric Data Collection





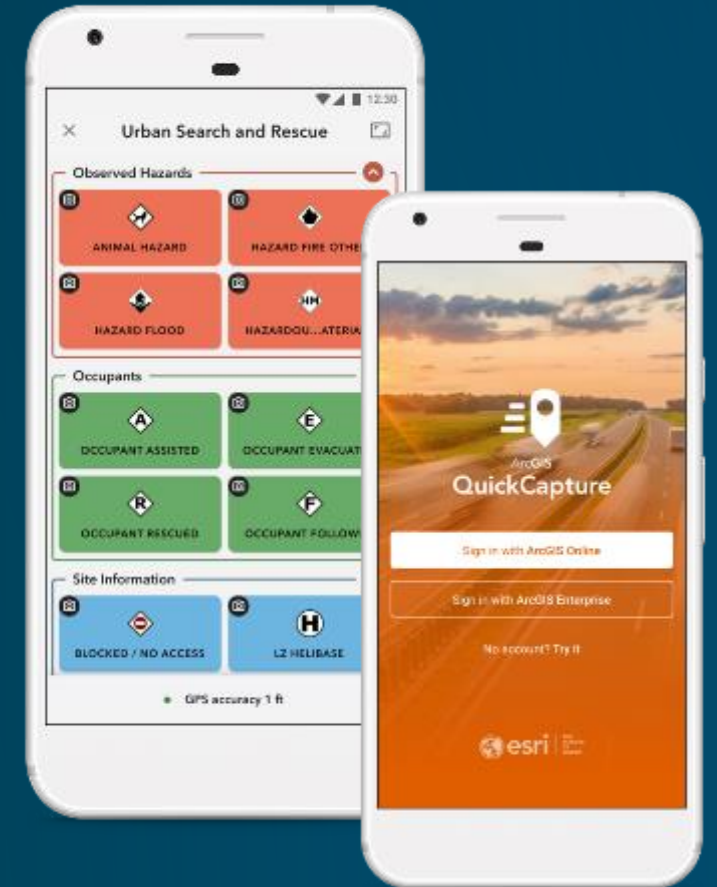
# ArcGIS QuickCapture



A “big button” mobile app

Simplest way to capture field observations

At-speed data collection workflows



Rapid Data Collection



# ArcGIS Field Maps



Best in breed mapping system



World class data collection solution



Revolutionary location tracking technology

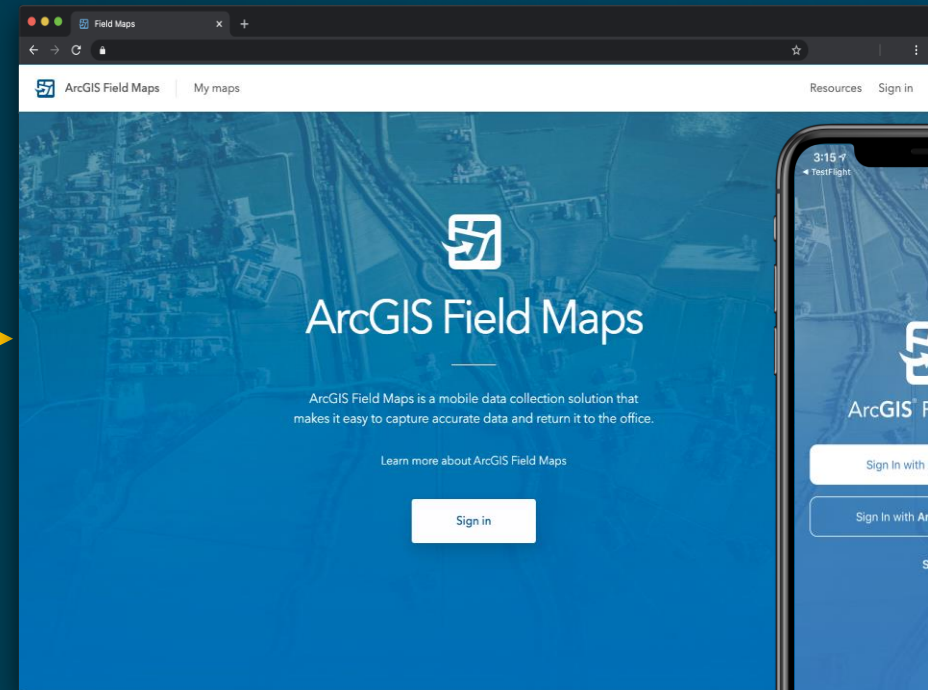


\* World class tasking and work management



\* State of the art navigation capabilities

\* Capabilities coming in phases



The all-in-one app for fieldwork

# Collect and Capture




**Tyler Pilarcik**  
Lead Solution Engineer



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Cancel Collect Submit

GPS location not available

 **Service Pipe** Length 84 ft ...

**Add Point**

 Take Photo  Attach

Asset group \*  
**Service Pipe**

Asset type \*  
**Plastic PE**

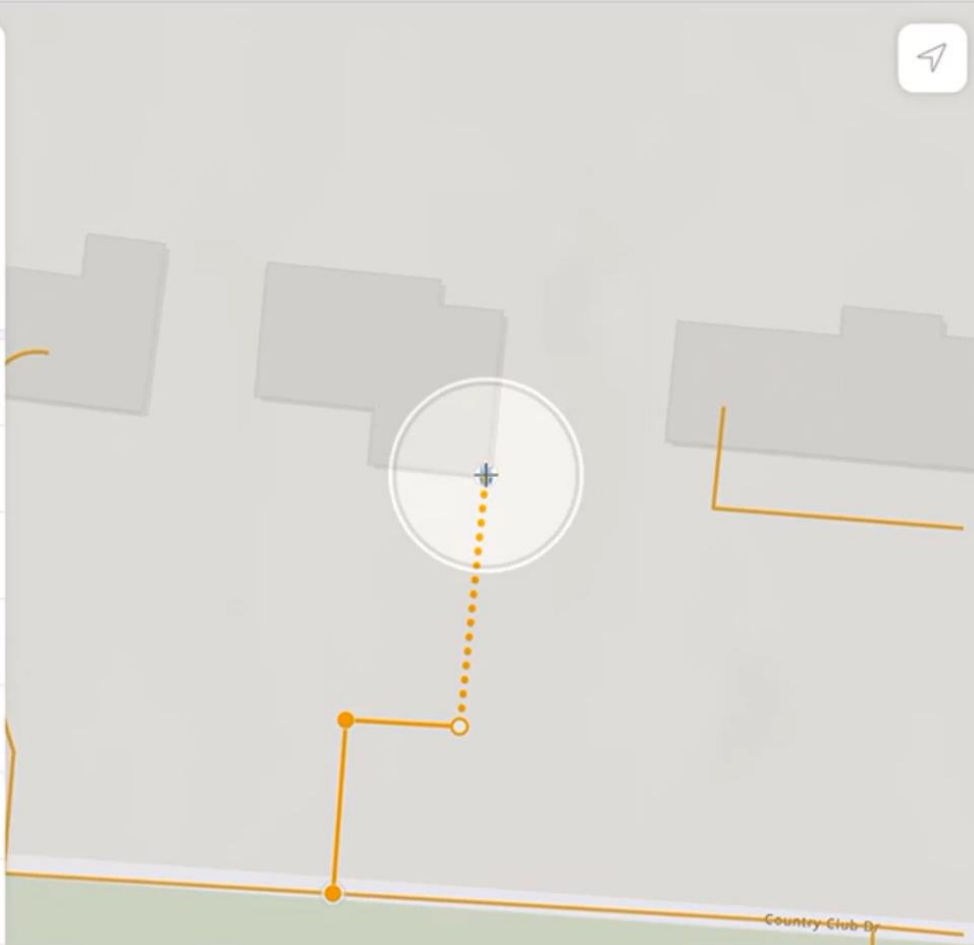
Life Cycle Status  
**In Service**

Install Date

Inservice Date

Installation Method  
**Trench**

MAOP Test  
**0.00**





# Field Operations



## Streamlining Work



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Director, Electric

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- Smooth Inspections
- Accurate As-builts
- Rapid Damage Assessment



ArcGIS  
Field Maps



ArcGIS  
QuickCapture



# Data Collection at AltaGas Utilities



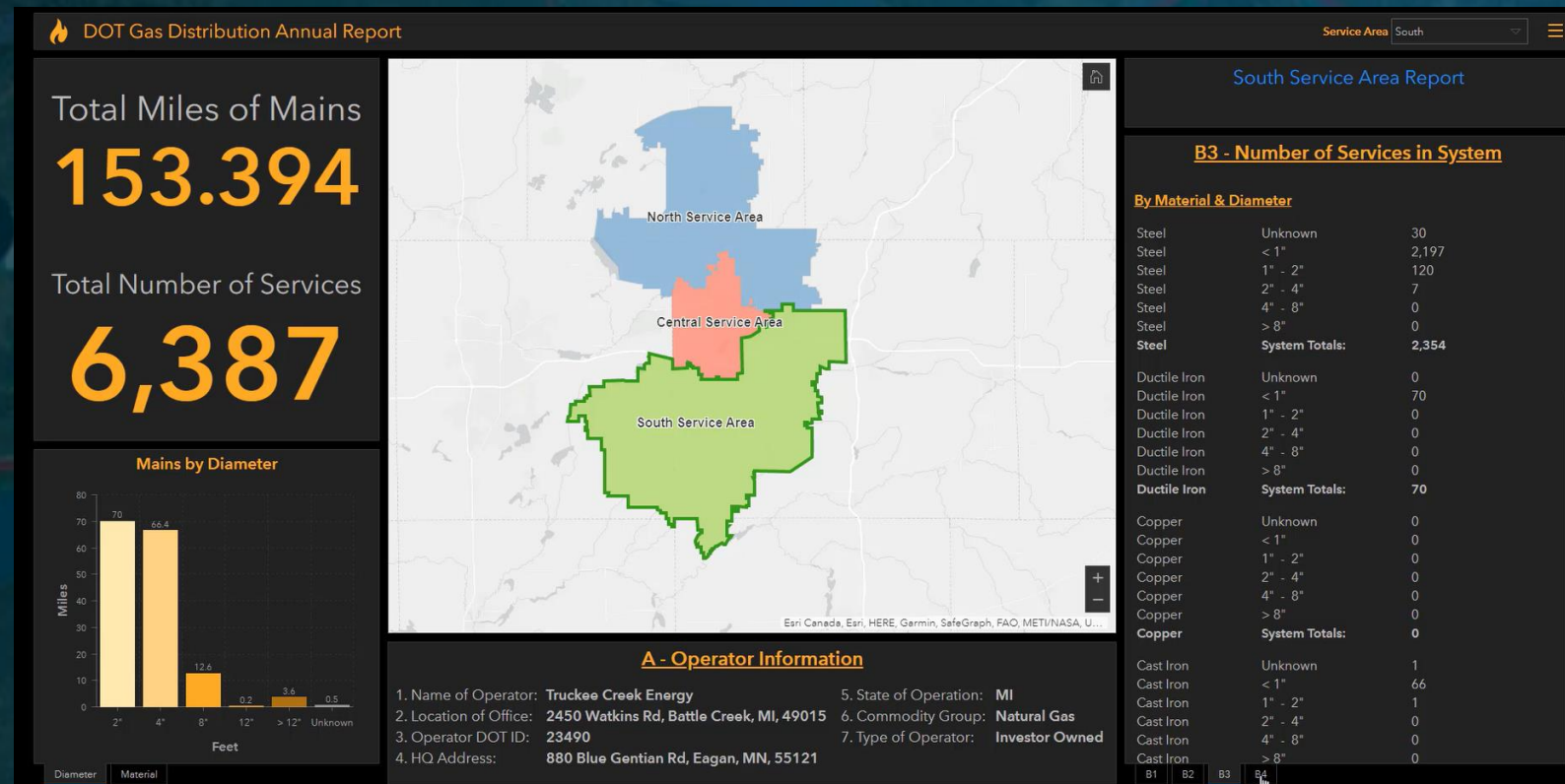


# Collect and Capture



**Tyler Pilarcik**  
Lead Solution Engineer

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## Leveraging Field Data



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Director, Electric

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- Monitor progress
- Summarize facts
- Support reporting



ArcGIS  
Dashboards



ArcGIS  
Business Analyst

# Next Webinar



Save the date!

Plan to join the **#UtilityNetwork** webinar

- June 16, 2021



# Continuing the Conversation

- All Questions and Answers Will be Sent to You
- Follow-up
- *NEW* Field Operations Discussion



# Continuing the Conversation

- Field Operations Discussion

- Informal
- Connect with peers
- Ask detailed questions

- Email [electricinfo@esri.com](mailto:electricinfo@esri.com)



# Take-Aways

- Improve Workflows With Apps
- Reduce Employee Workload
- Increase Information Quality
- Correlate Data to Support Emerging Equity Needs



# Stay Connected



○ @EsriElectricGas



○ Electric and Gas



- Tom Coolidge
- Kyle Crawford
- Pat Hohl
- Tyler Pilarcik



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