FIELD OPERATIONS WEBINAR SERIES UTILITIES, WATER AND TELECOM

May 14 | **May 21** | May 28

Inspect | Construct | Innovate



FIELD OPERATIONS WEBINAR SERIES UTILITIES, WATER AND TELECOM

Improving
Inspections and
Maintenance



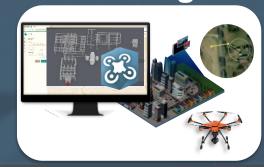
May 14

Optimizing Capital Work



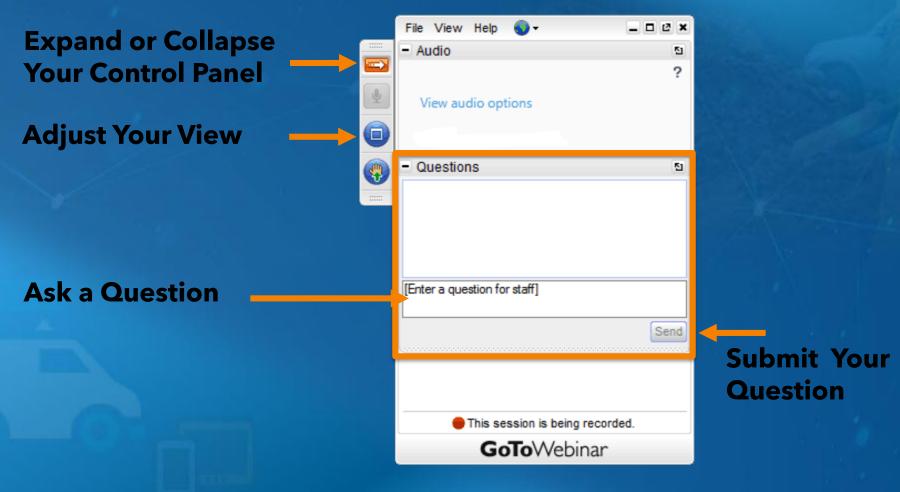
May 21

Transforming
Fieldwork with
Advanced
Technologies



May 28

UTILITIES, WATER AND TELECOM



** The Webinar is Being Recorded **

UTILITIES, WATER AND TELECOM

Speakers



Christa Campbell
Industry Specialist
Water

Esri <u>Moderator</u>



Pat Hohl
Director
Electric
Esri



Vincent Fortino
Solution Engineer
Water
Esri



Junjie Ma
Solution Engineer
Utilities & Telecom
Esri

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Agenda

Overview Delivering capital projects

Demonstration Constructability review from the field

Demonstration
 Real-time project tracking

Demonstration External-facing communication

Review & Questions and Answers









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As the volume of capital projects increases, it is critical for utilities to optimize, standardize and automate their project execution process by maximizing efficiencies.



Municipal utilities in the United States are expected to spend \$629 billion on capital expenditures (CAPEX) over the next decade.

News

Despite Financial Hurdles, Utility Capital Spending to Remain Elevated







Plan

Use location to plan and coordinate field activities



Navigator for ArcGIS





Coordinate

Act on real-time conditions in the field to update worker tasks



Understand

See what's happening around you with maps





Monitor

Know where workers are and see the progress of work in real-time



Perform data collection and send it back to the office from anywhere







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Constructability Review



Real-Time Project Tracking



External-Facing Communication

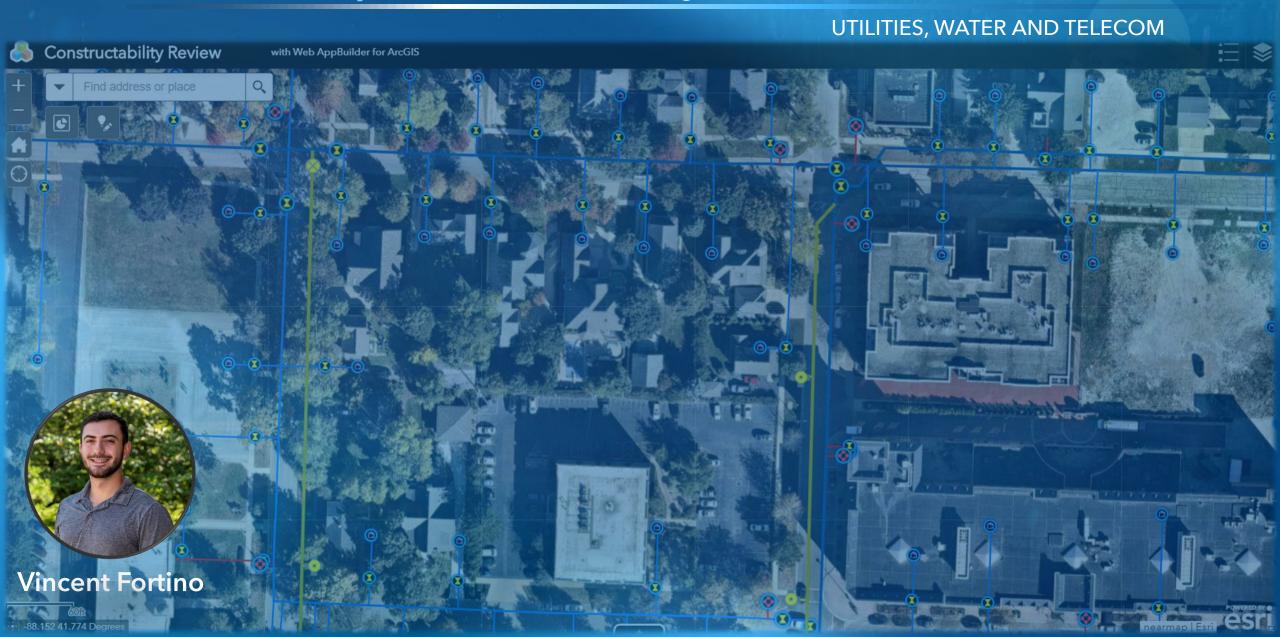
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Timely reference information comes from **understanding** what is nearby, and clear **communication**.

- How can crews use the latest reference maps?
- How can field staff provide feedback?
- How does a project tie into the system?

Demonstration | Constructability Review



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Constructability Review

- Access reference documentation
- Redline changes
- Tie-in safely



Pat Hohl





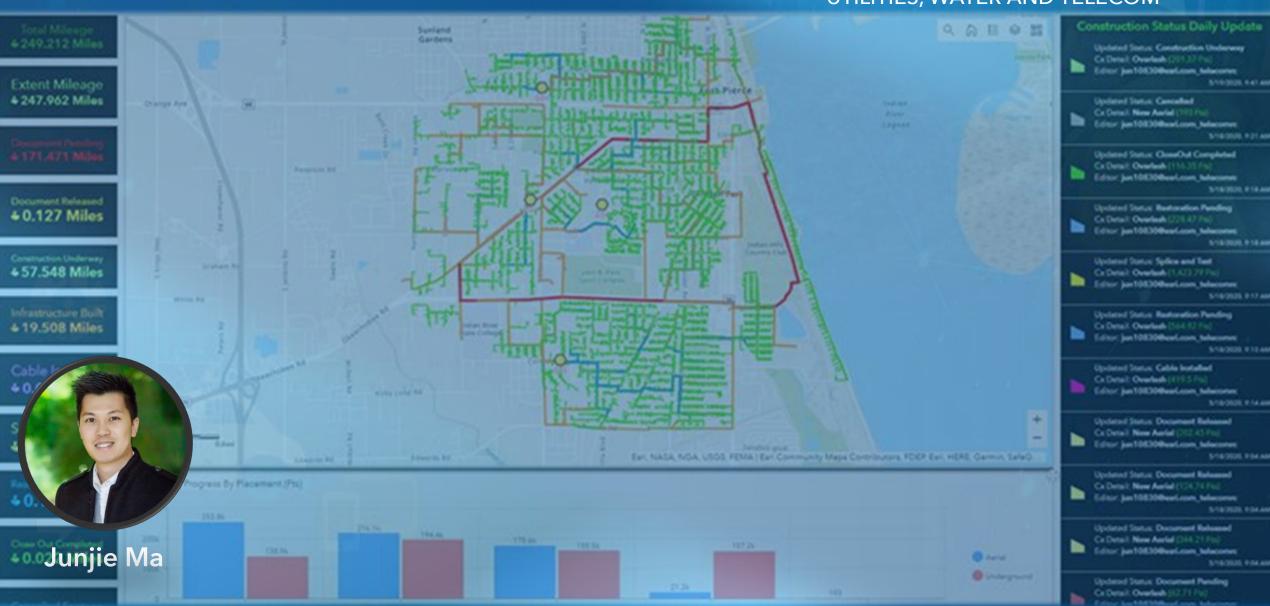
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Real-Time Project Tracking **Effective** project coordination depends on **real-time communication** of information from the work site.

- How can incremental progress be managed?
- o How can as-builts be accelerated?
- How can contractor performance be monitored?

Demonstration | Real-Time Project Tracking



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Real-Time Project Tracking

- Track work progress
- Collect as-built data
- Inform the project team



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External-Facing Communication **Clear** project communication stems from **understanding** current conditions and **where** they occur.

- How can customers stay informed?
- How can Field disruptions be reduced?
- What are some real examples?

Demonstration External-Facing Communication

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MY ACCOUNT GET GAS STREET WORK ALL ABOUT GAS

STREET WORK

WORKING ON PIPES

WORKING ON THE STREET

WORKING ON THE SIDEWALK

WORKING ON THE LANDSCAPE

FUTURE WORK

WHAT SHOULD I KNOW?

HOME / STREET WORK | FUTURE WORK |

FUTURE WORK









Did you know that we plan and complete hundreds of pipeline upgrade construction projects every year? On this page, you can see which projects are up next.

We want to let you know when we will be in your area for a construction project and what you can expect before, during, and after our pipeline upgrade and renewal work. Using the map below, you can check out our planned schedule for the next 2 weeks by entering an address or zooming in on a specific location. Our construction projects are highlighted, and by clicking on a route, you can see more information about that project. These projects are color-coded by status.

We make every effort to complete our pipeline replacement projects as quickly as possible to minimize the disruption to our customers, but project timelines may have to be adjusted based on weather conditions. Please note that emergency calls always take first priority, and any emergency work is not represented on this map.



Project Status

Each of our projects displayed on the map is color-coded, based on its status. Here's a list of each status by color, so you know where we are with a specific project at-a-glance:

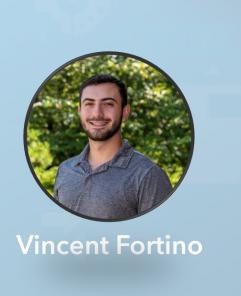


Ready for Construction:

Construction project is scheduled to begin within one month.



Construction in Process:





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External-Facing

Communication



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- o Improve service
- Tell about Where
- Utilize real-time data





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Wrap up



Constructability Review



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Real-Time Project Tracking



External-Facing Communication

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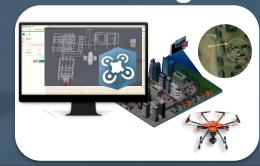
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Stay Connected



- @EsriWater
- @EsriElectricGas
- @EsriTelecom



- Water Utilities
- Electric and Gas
- Telecommunications



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