

# Mobile

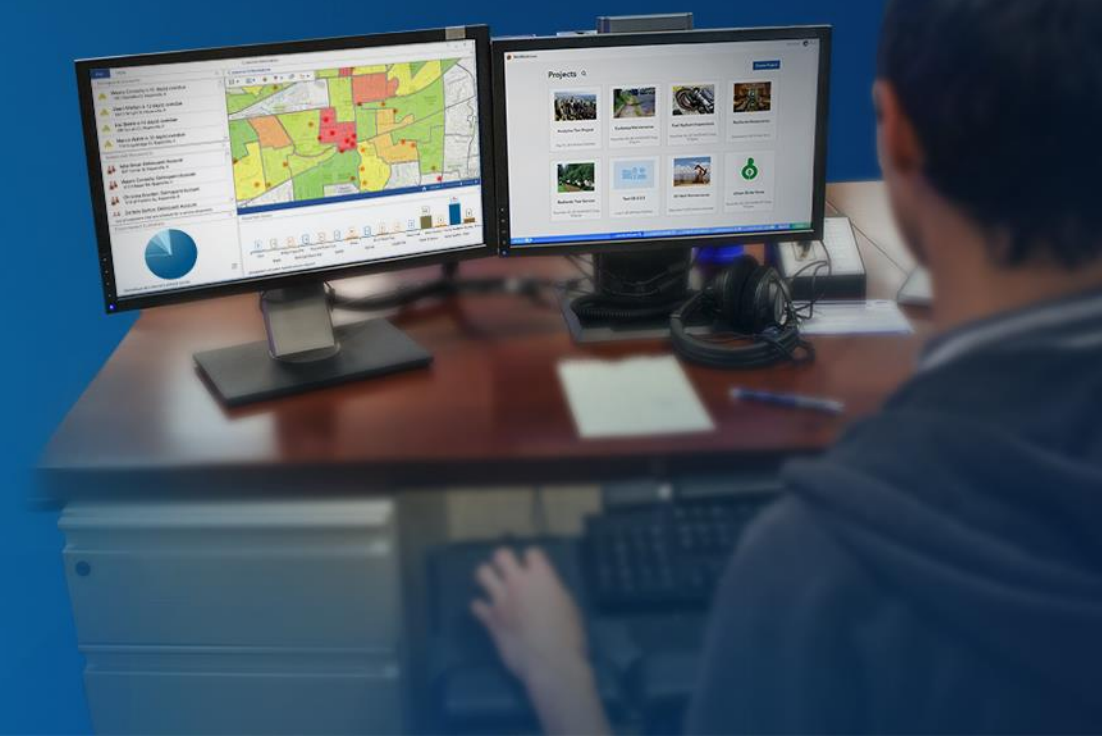


# Field Apps

Taking GIS Beyond the Office



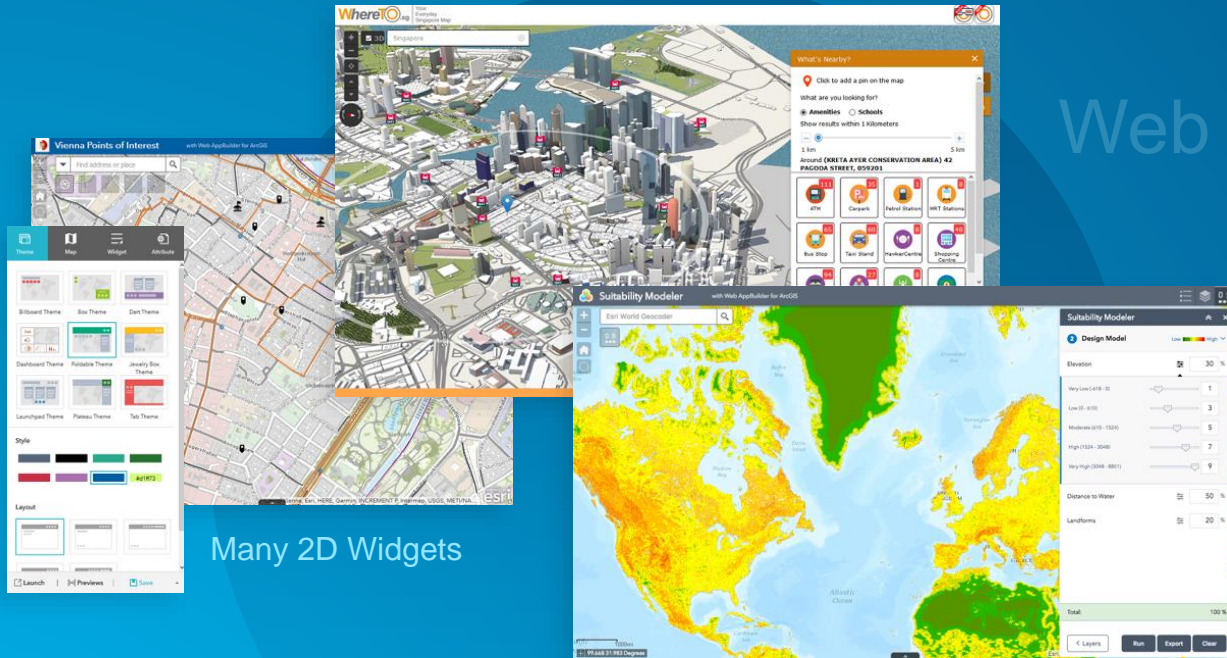
- Configurable apps
- Connecting the field with the enterprise
- Built on top of the ArcGIS Platform





# ArcGIS App Builders | Frameworks for Configuring and Creating Apps

## Web AppBuilder



Many 2D Widgets

500,000+ Web Apps Created and Deployed

## AppStudio



Build Once



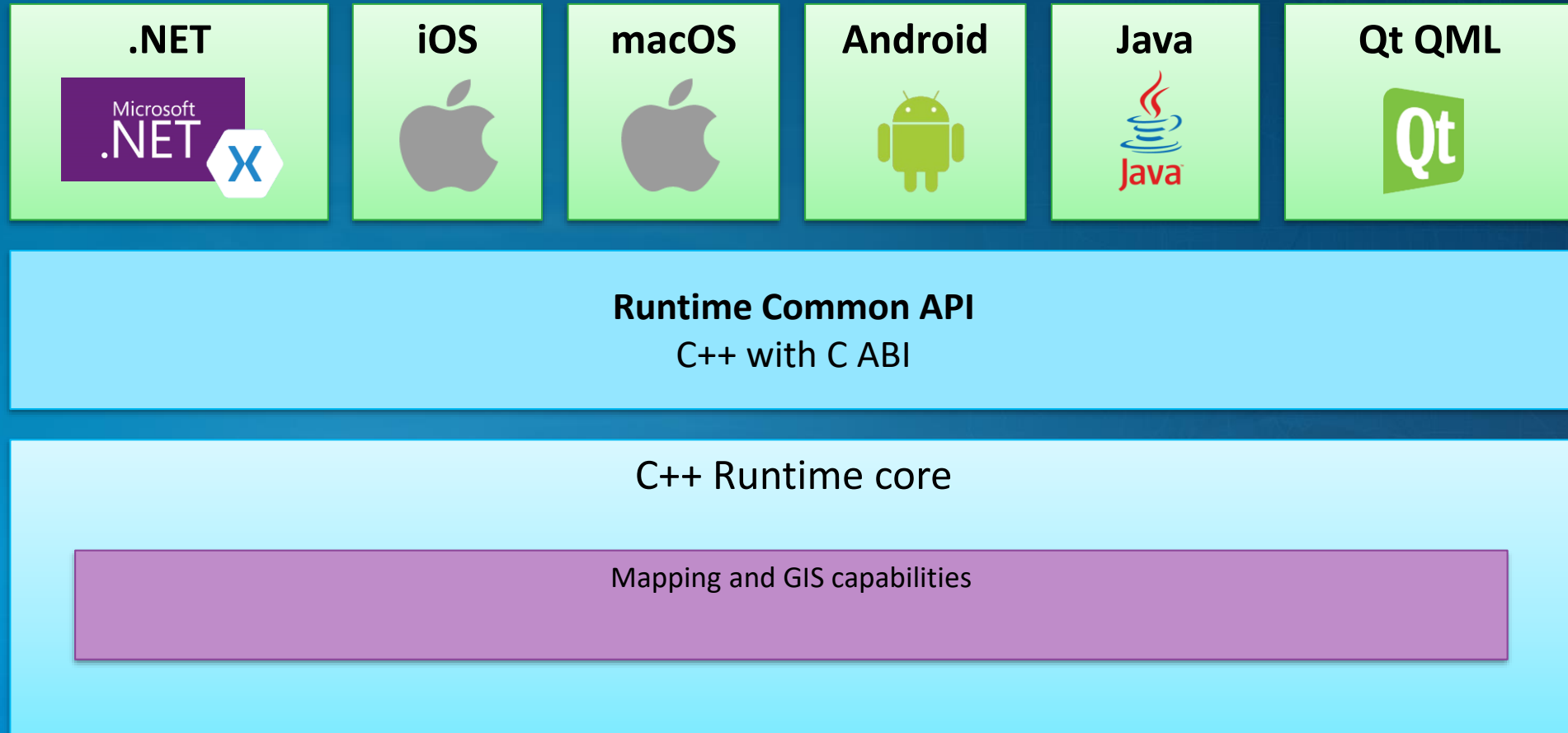
Deploy Anywhere

Web

Native

No Programming Required

# Developers | ArcGIS Runtime SDKs and Architecture





# Taking GIS Beyond your Office

- Hydrant Inspections
- Map Change Requests
- Joint Use Surveys
- Damage Assessments



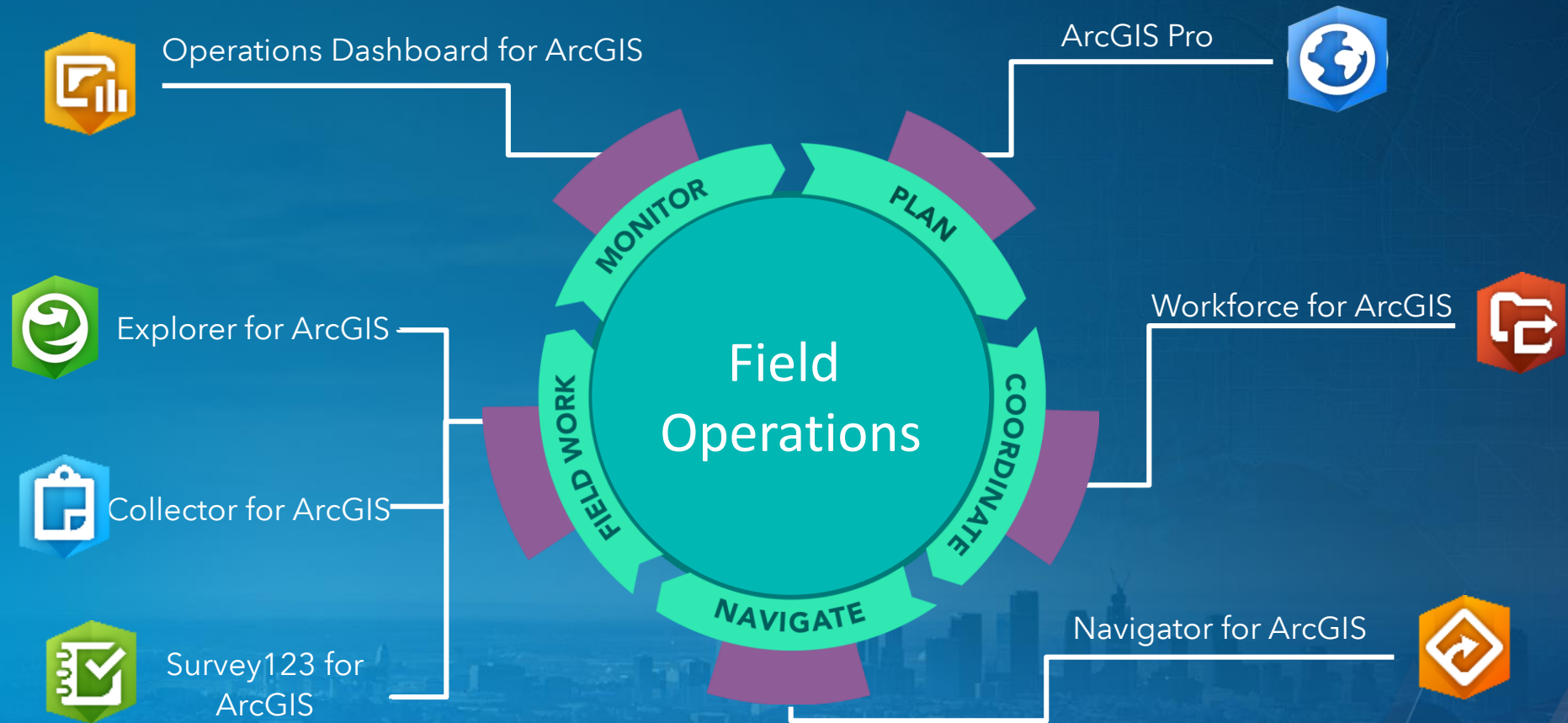
- Water Quality Inspections
- Permit Inspections
- Sign Inventory
- Streetlight Inventory
- Guardrail Inspections
- Census Surveys
- Mosquito Abatement
- Well Inspections
- Meter replacement program
- Meter Inspections
- GCP Collection
- Leak Surveys
- Debris Reporting
- Valve Inspections



- DUI Checkpoint
- SCAT collection
- Trail mapping
- Park and trail viewer
- Parcel mapping
- Tree-trimming
- Piggging operations
- Invasive Species Mapping
- Aquatic surveys



# Field Workflows



# Workforce for ArcGIS





# Workforce for ArcGIS

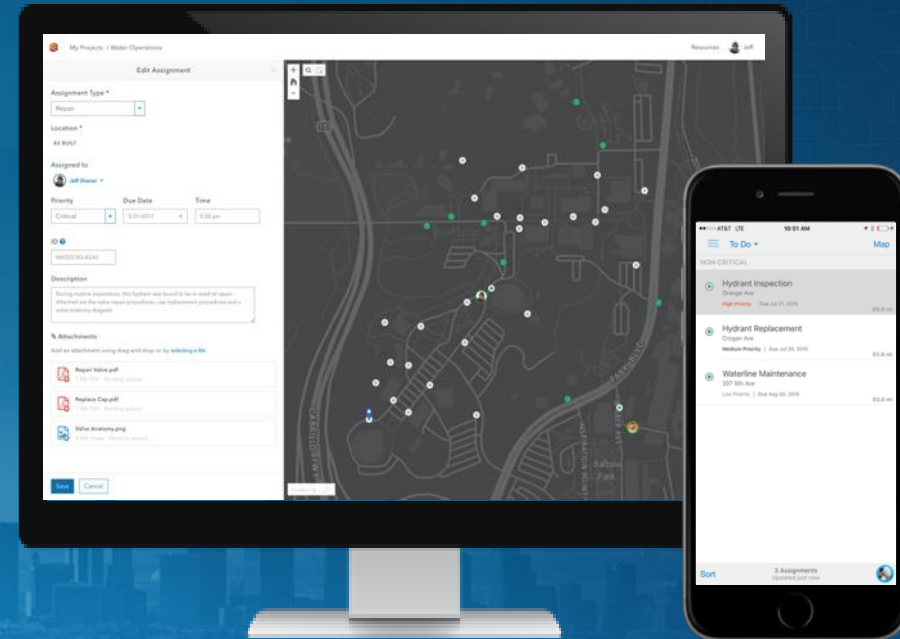
Coordinate field work



Plan, coordinate field work

Location Awareness

Optimize field operations





# Workforce for ArcGIS RoadMap

- March 2019
  - Make it easy for the worker
    - Projects will open with everything they need\* to go **offline**
    - Any choices or complexity is handled by the Project Owner
  - Workers need the ability to view unassigned work and **self-assign** or pick-up the assignment
- After March
  - Continue to improve app integration
    - More fields, more capabilities
    - **Custom apps**
  - Ability to expand the Assignment schema
  - **Multiple Project Owners**

# Navigator for ArcGIS



# Navigator for ArcGIS

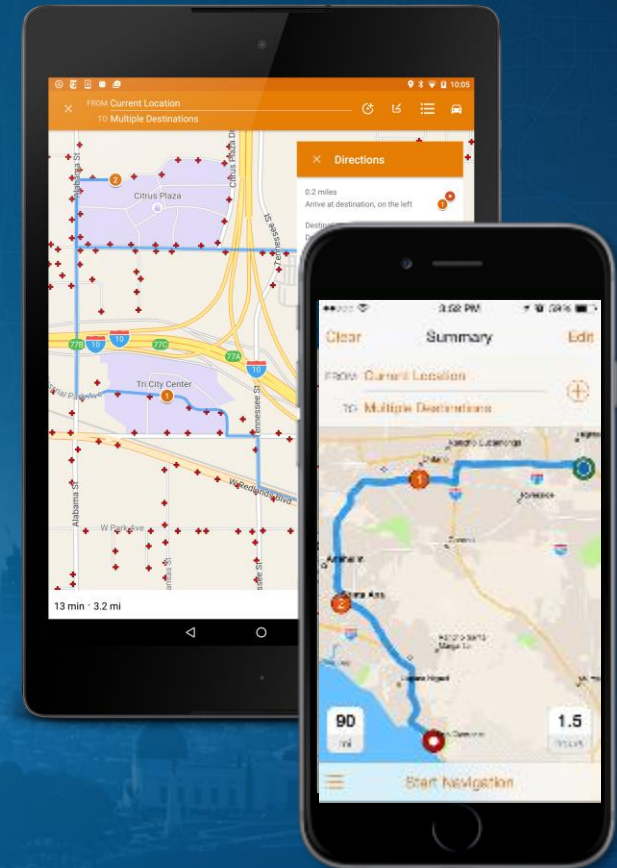
Get your field workforce where it needs to be



Leverage your own map (search, route, display)

Create routes honoring your specific vehicle type

Work offline - maps are on your device

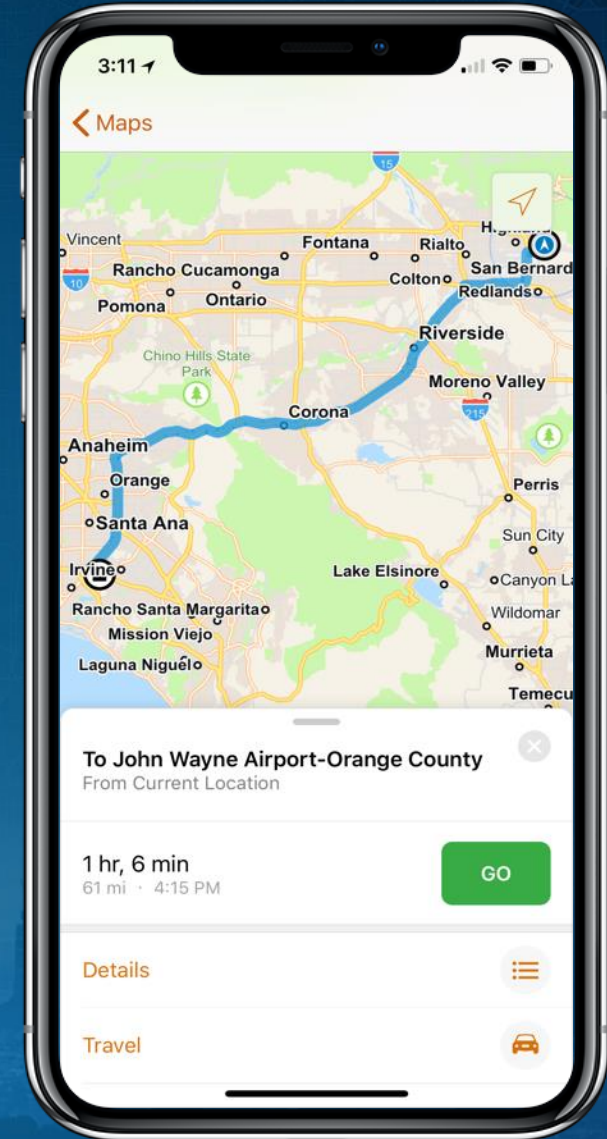




# Navigator for ArcGIS Road Map

18.1.0 (end of 2018)

- Pre-planned routes
  - Navigate using route geometry
- Popup Support
  - Full popup support for features
- UI/UX refresh
  - Look and feel equal to Explorer, Collector, Workforce



# Survey123 for ArcGIS



# Survey123 for ArcGIS

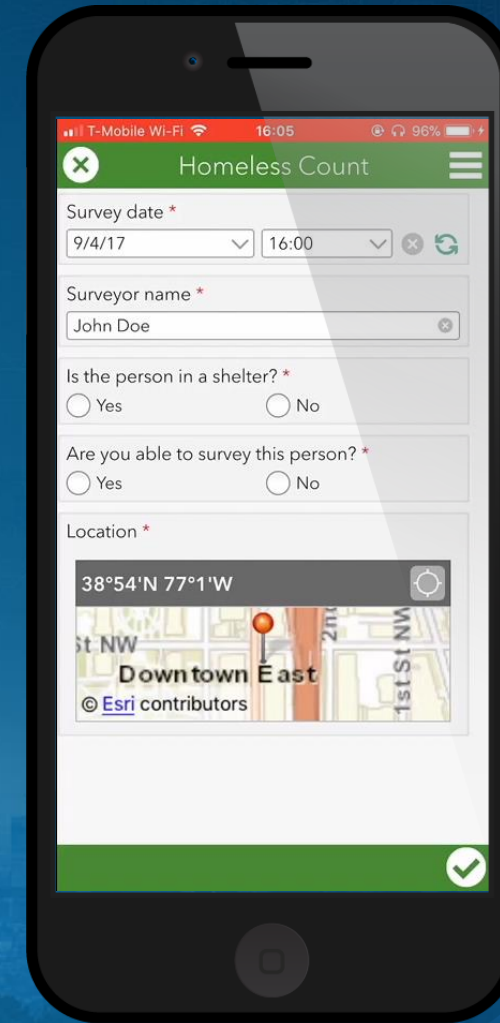
Form Centric Data Collection



Simple data collection experience

Web & Native / Desktop & Devices

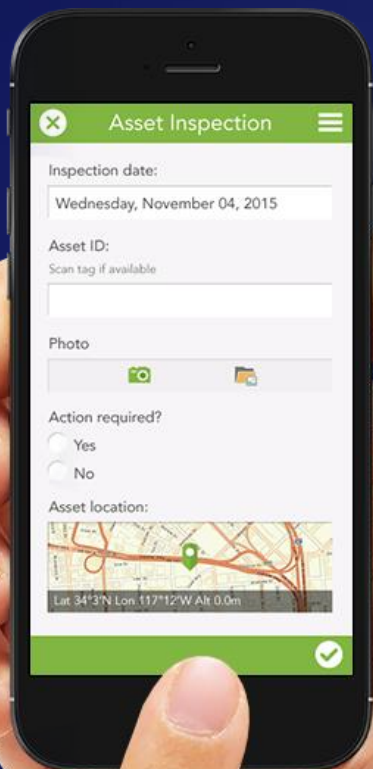
End to end data collection workflow







# Road Map



- New High Quality Custom Report capabilities
  - Define your report template in Microsoft Word
  - Upload template to ArcGIS Online
  - Generate reports one at a time or in bulk
- Direct support for external GNSS receivers
  - Connect to high accuracy GNSS sensors
  - Store GNSS metadata as GIS attributes
- Better Maps
  - Support for webmaps
  - Mobile map packages (vector tiles...)
- New Extensibility framework for partners and developers

**Releases every 8-10 weeks  
across all supported platforms**

# Collector for ArcGIS



# Collector for ArcGIS

Map Centric Data Collection



Web Maps

Works offline

High accuracy GPS

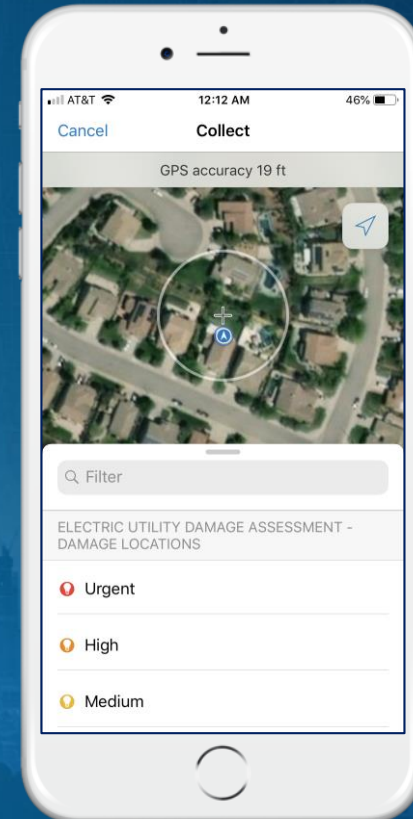




# Collector for ArcGIS Road Map



- Current status
  - IOS: first release end of Oct/early Nov
  - Android: beta program, release targeted for end of 2018
- Themes
  - Better maps
  - Improved user experience
  - Enhanced collect experience
  - Several new capabilities



Demo



# Explorer for ArcGIS





# Explorer for ArcGIS

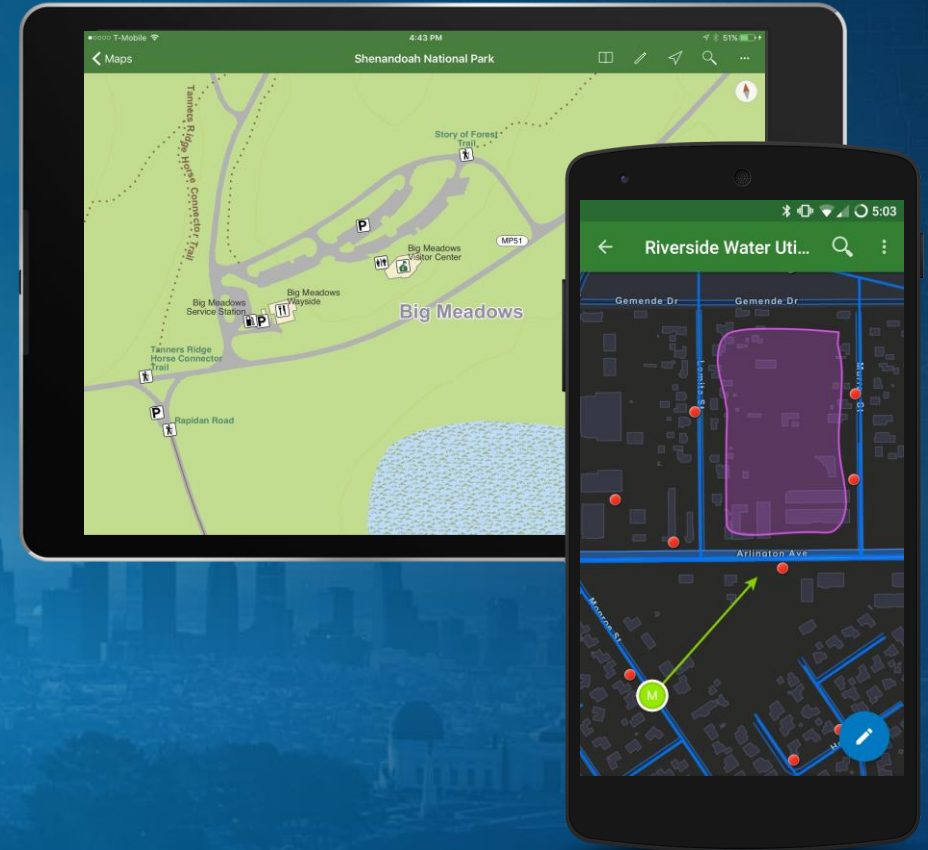
Your maps in your mobile device



Your maps anywhere

Access information while disconnected

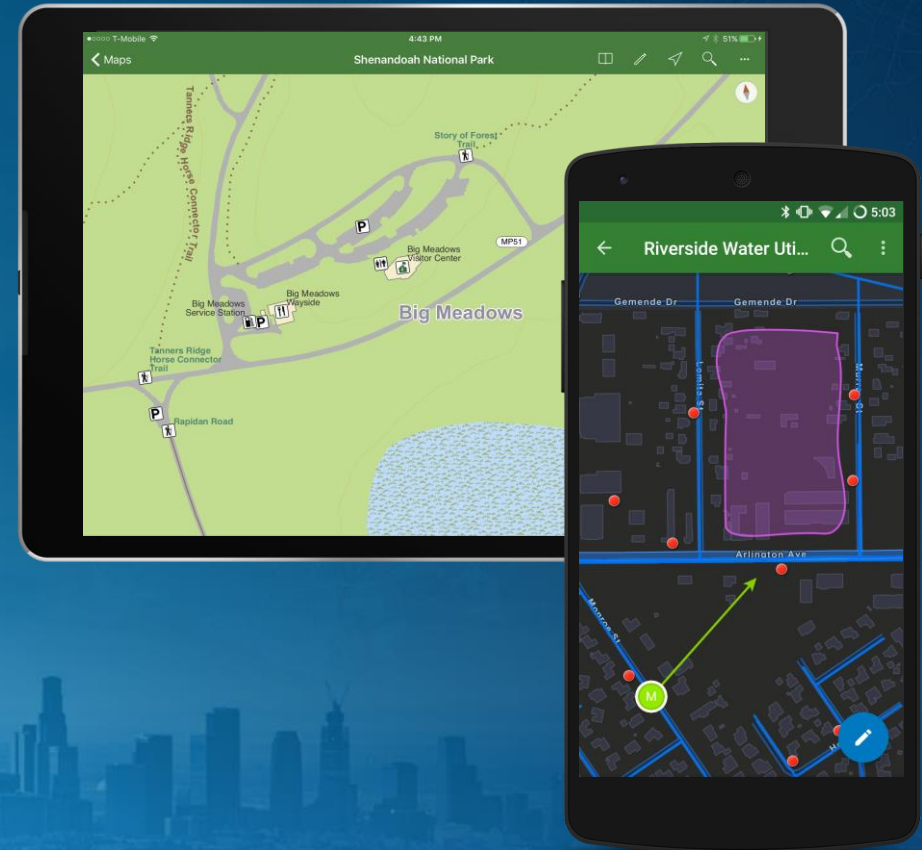
Sketch, annotate, and communicate



# Explorer for ArcGIS

## 19.1.0 Release

- Pre-planned offline maps support
- On-demand offline maps support
- Explorer on the Windows platform!



Demo



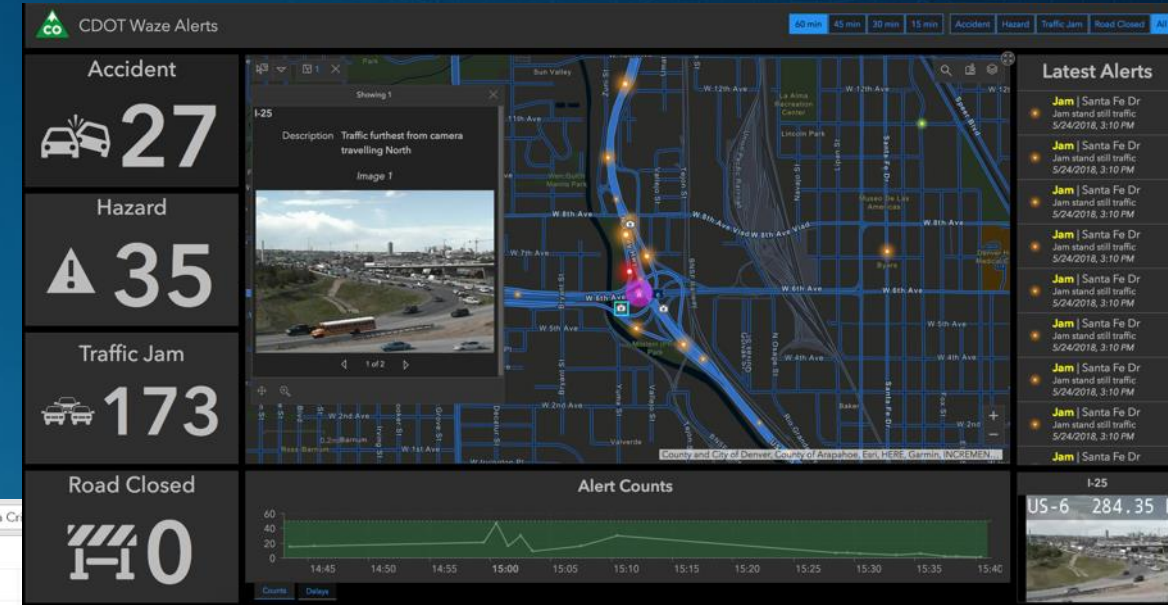


# Operations Dashboard



# Operations Dashboard for ArcGIS

- Included with 10.6.1 Release
  - New Configurable web app
  - Many ready-to-use data visualizations
    - Map, Serial chart, Pie chart, Indicator, Gauge
    - List, Details, Embedded content, Rich text
  - Various tools and Interactivity Options
- What's Next
  - New layout options for data visualizations
  - Dashboard actions via URL parameters
  - TV-ready dashboards
- What's After Next
  - Better mobile experience
  - Moving to 4.x JS API
  - 3D Web Scenes
  - IoT Dashboards





# Location Tracking



*Emergency Response*



*Level of service*

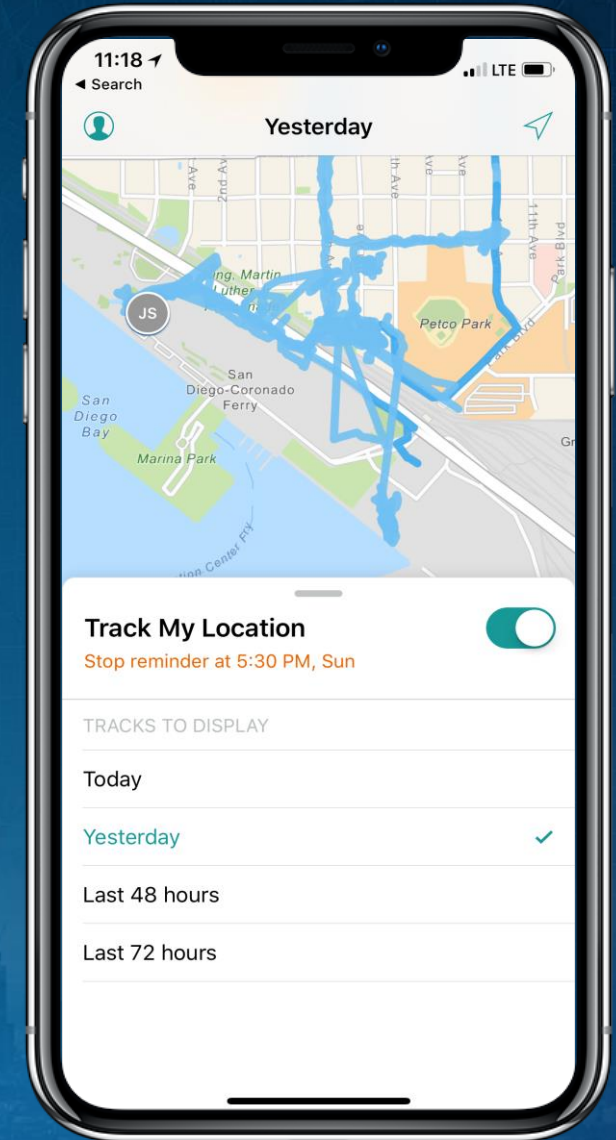


*Proof of work*



# What Is Location Tracking in ArcGIS

- Organizational Capability
  - Administrators can enable location tracking in their organization
  - Will create a single service for storing and managing location tracks in the big data store
- Mobile app
  - Simple, schedule-driven tracking experience
  - Supports offline use
  - Optimized for low battery consumption
  - Any level or named user role can contribute
- Web app
  - Display and manage users and their location history
  - See only the users that you have access to (Feature Service views, OBAC)



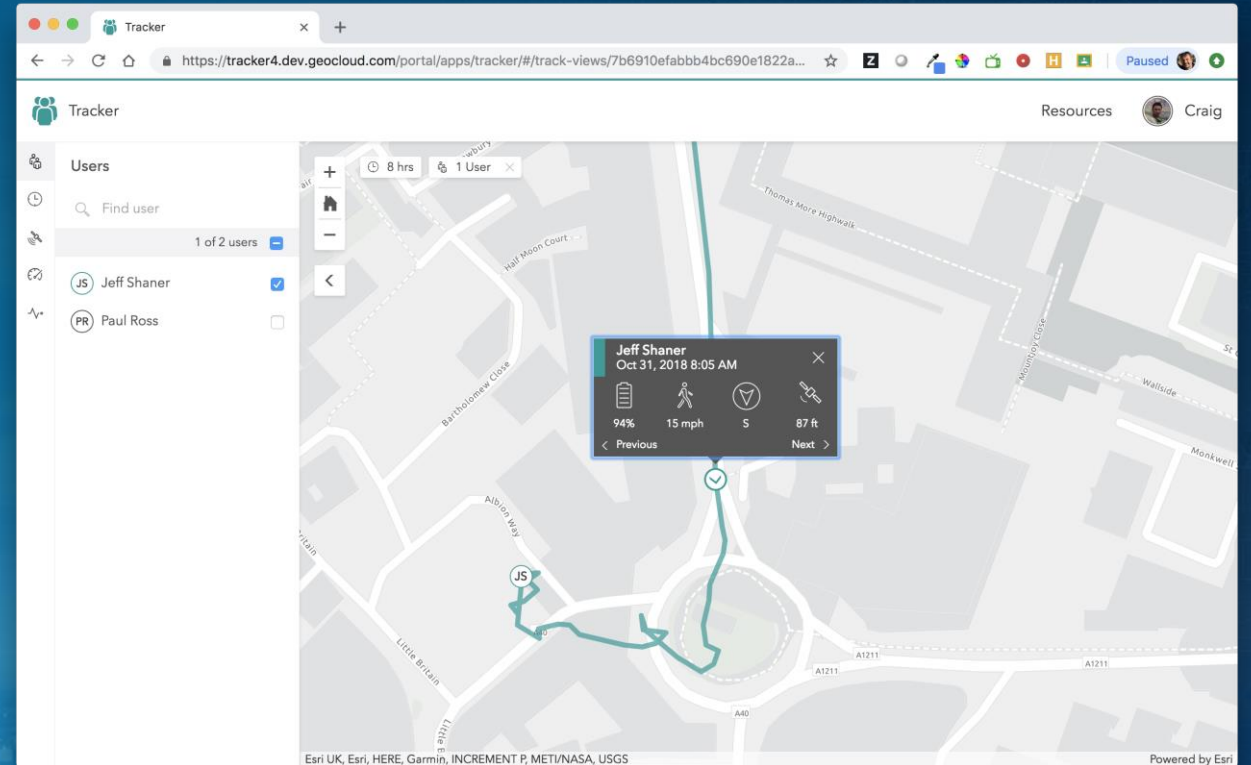
# Track Views

## Administrator View

- Create Track Views
  - Group, Track Priviledges

## Supervisor View

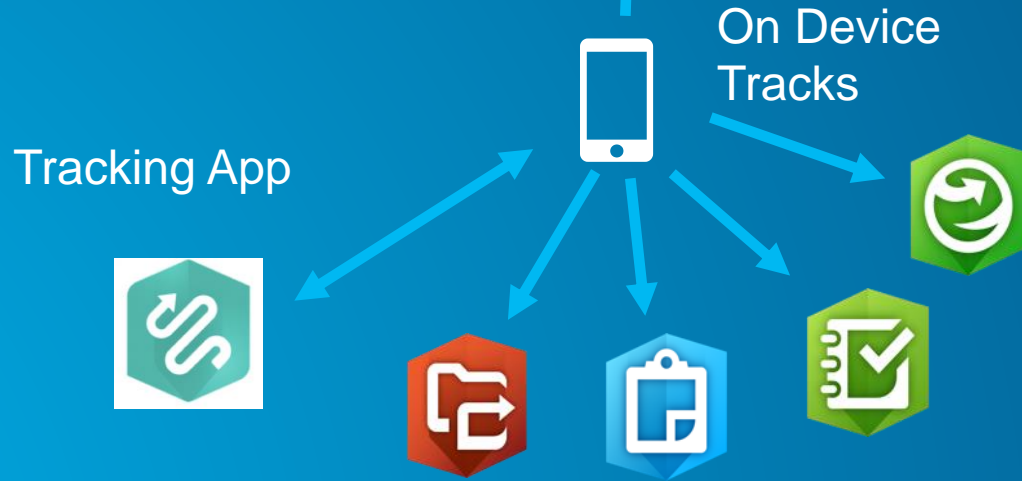
- View Tracks for a user
- Investigating track point data
- Filter tracks by Date/Time
- Filter tracks by Accuracy
- Highlight tracks using Speed
- Highlight tracks using Activity



# ArcGIS organization



# Apps





# Location Tracking Release Plan

- Closed Early Adopter now
- Beta program coming in November
- Support for both ArcGIS Online and ArcGIS Enterprise
- Mobile app for iOS and Android platforms
- Release in Q2 2019 (ArcGIS Enterprise 10.7 and ArcGIS Online)