Smart Workplace Operations

Powered by Indoor GIS

Beau Ryck
Global Business Development Manager
Esri, Smart Cities, Indoor GIS
bryck@esri.com

Agenda

1. Introduction to Indoor GIS
2. Interactive Demonstrations
3. Getting Started with Indoor GIS
4. Questions & Answers

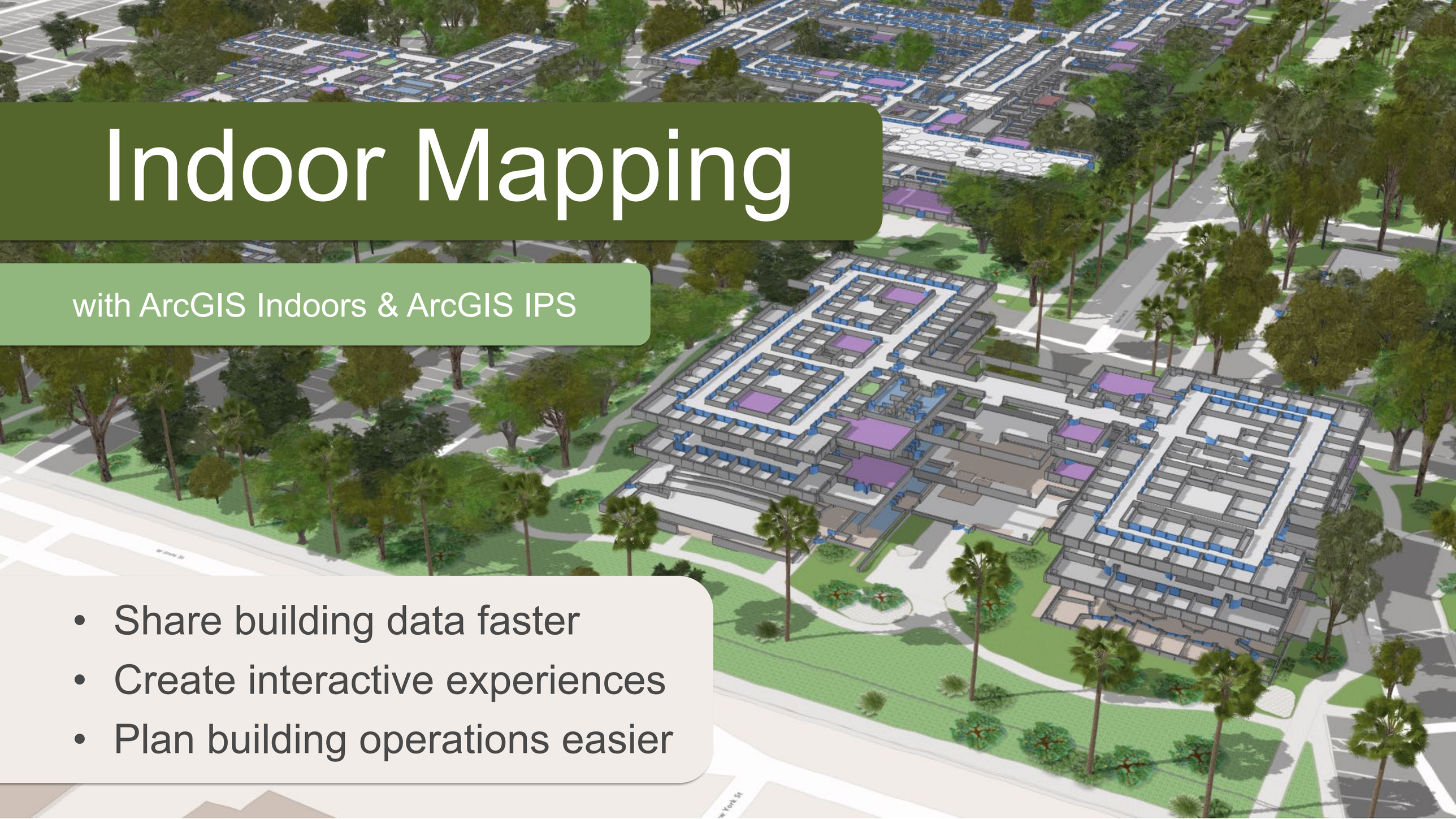
W State St
W State St
W State St
W State St
W State St
W State St

W State St
W State St
W State St
W State St
W State St
W State St

Indoor Mapping

with ArcGIS Indoors & ArcGIS IPS

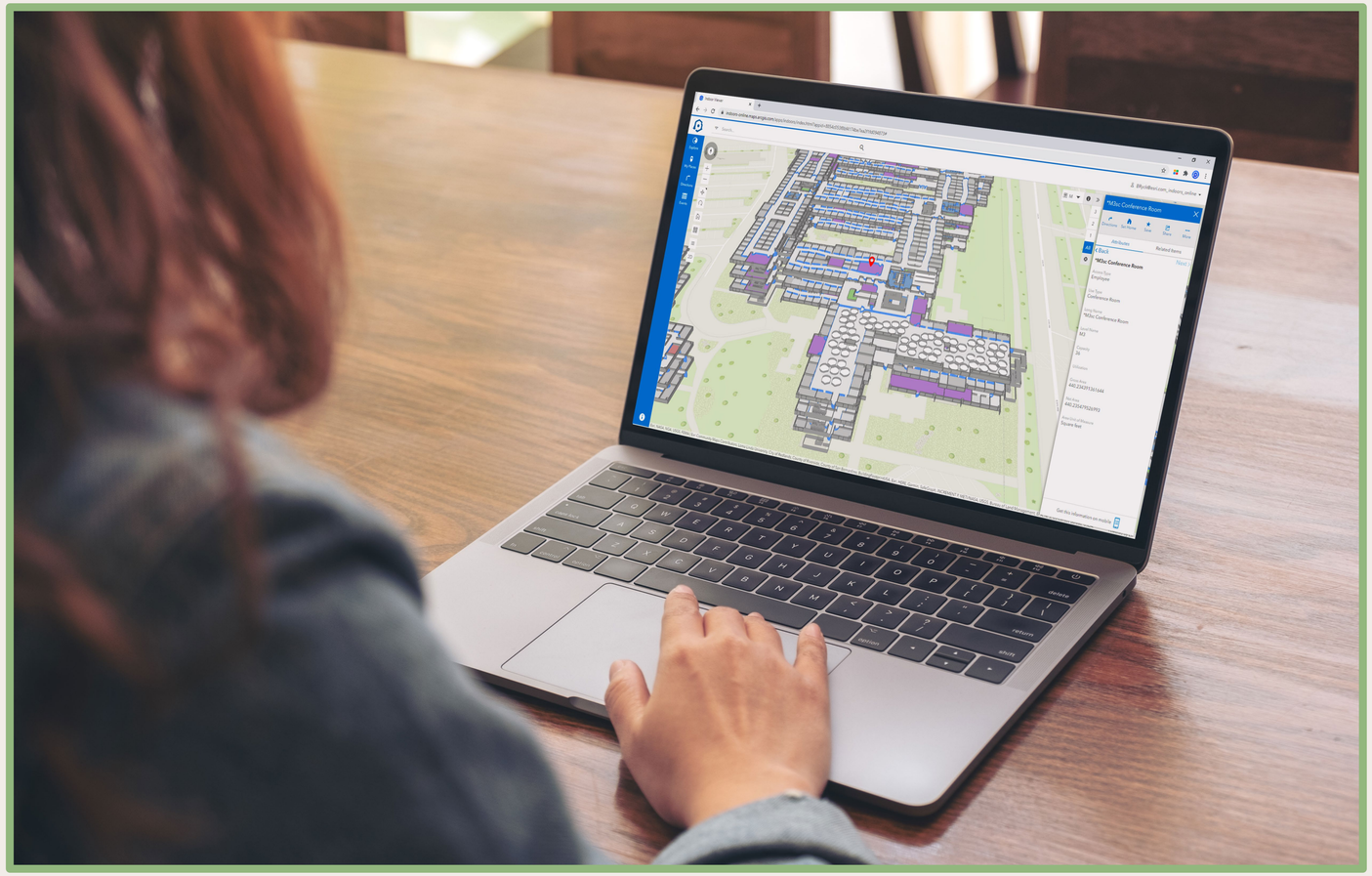
- Share building data faster
- Create interactive experiences
- Plan building operations easier



Indoor GIS users can find building data in 3 clicks.

Non-expert users can quickly filter indoor maps by sites, buildings, floors, and layers throughout the vertical asset portfolio.

Web and mobile apps streamline access and sharing to users anywhere on any device.



Indoor wayfinding and space reservations enable hybrid workplace experiences.

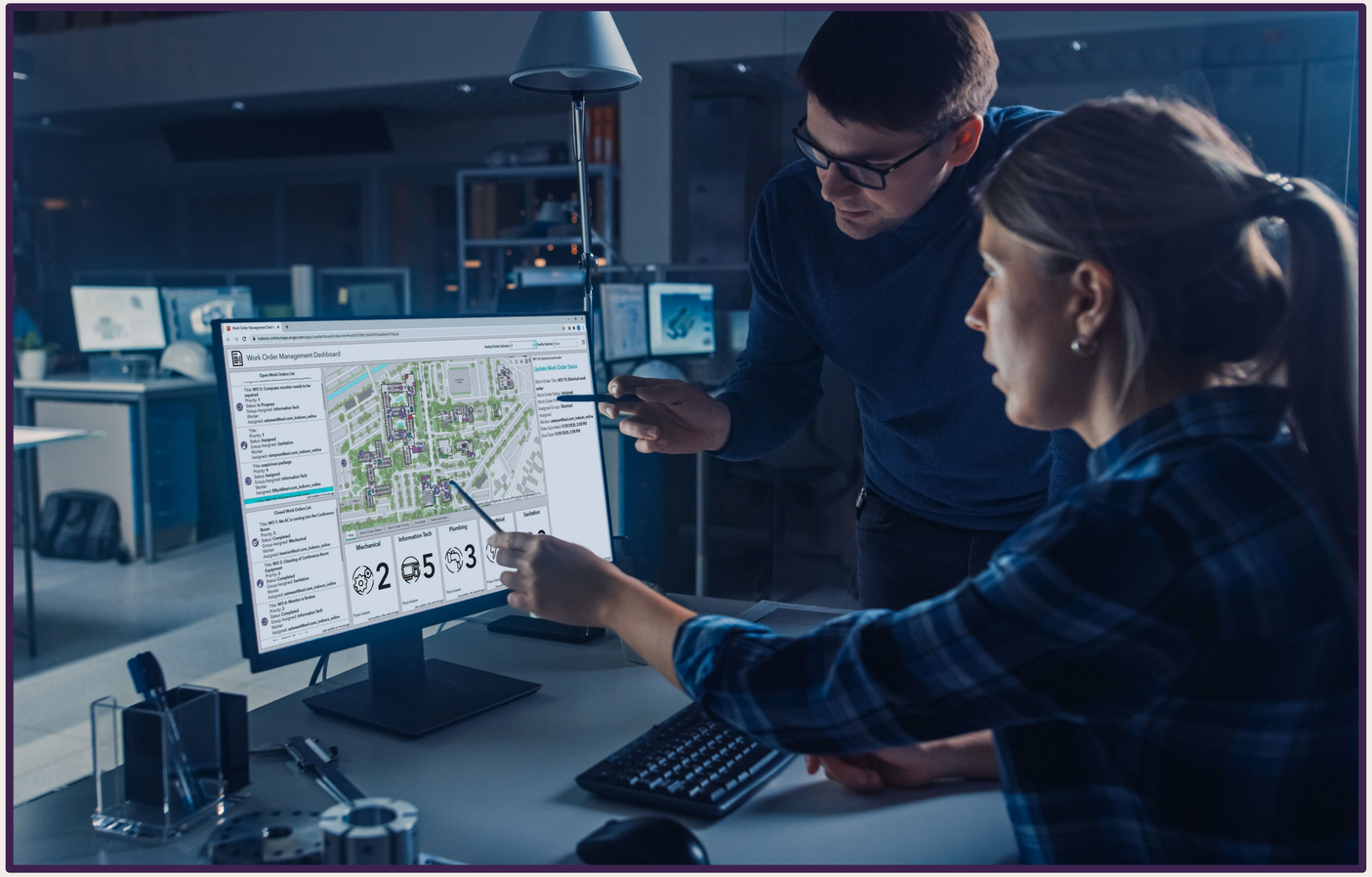
Employees can explore, search, navigate, request, and reserve accommodations to make their visits to the workplace painless.

Indoor map data can be stored and accessed locally and in the web for optimal performance at scale.

Indoor positioning systems give end users real-time situational awareness.

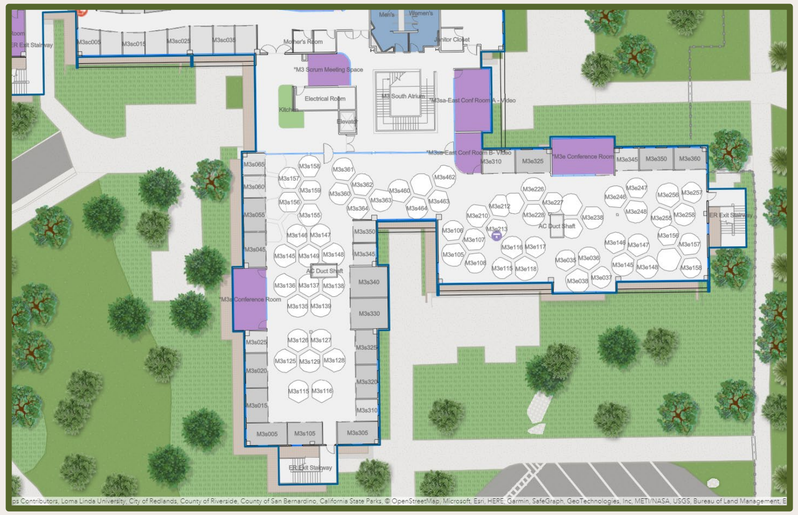
Maps open instantly to an end user’s location, routes generate from anywhere, and users can securely share their real-time location with coworkers.

Location sharing drives space use insights and rapidly informs public safety or physical security.

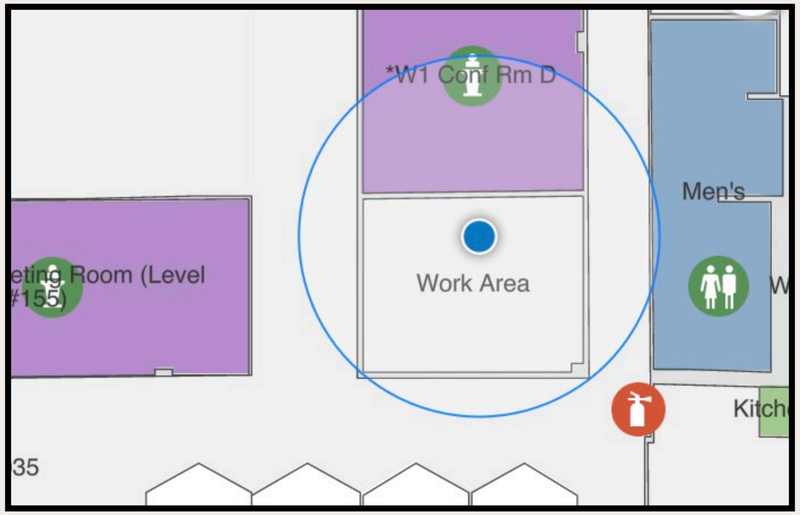


Demonstrations

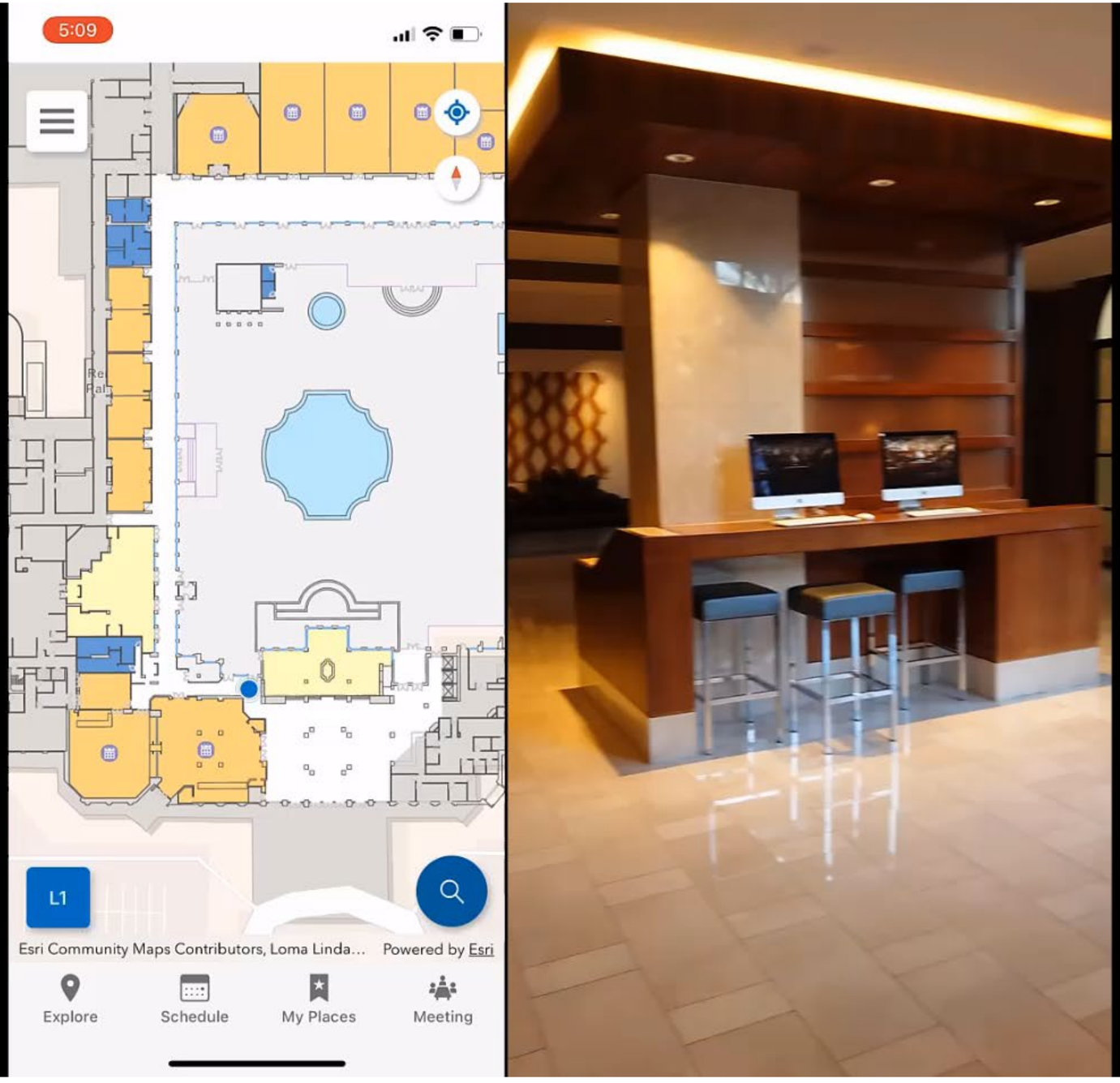
Data Discovery

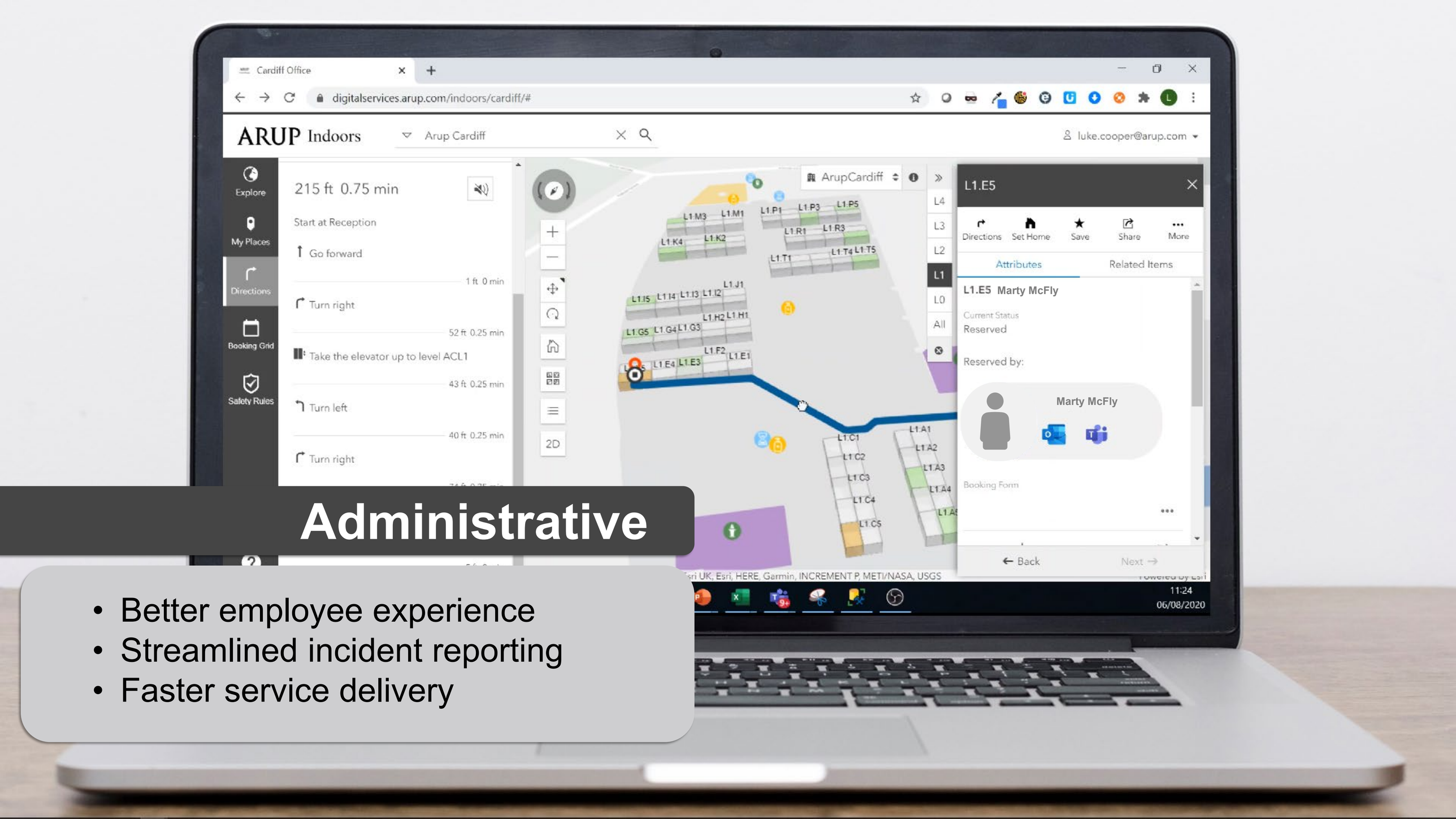


Occupant Experience



Space Planning


5:09
L1
Esri Community Maps Contributors, Loma Linda...
Powered by Esri
Explore
Schedule
My Places
Meeting



Administrative

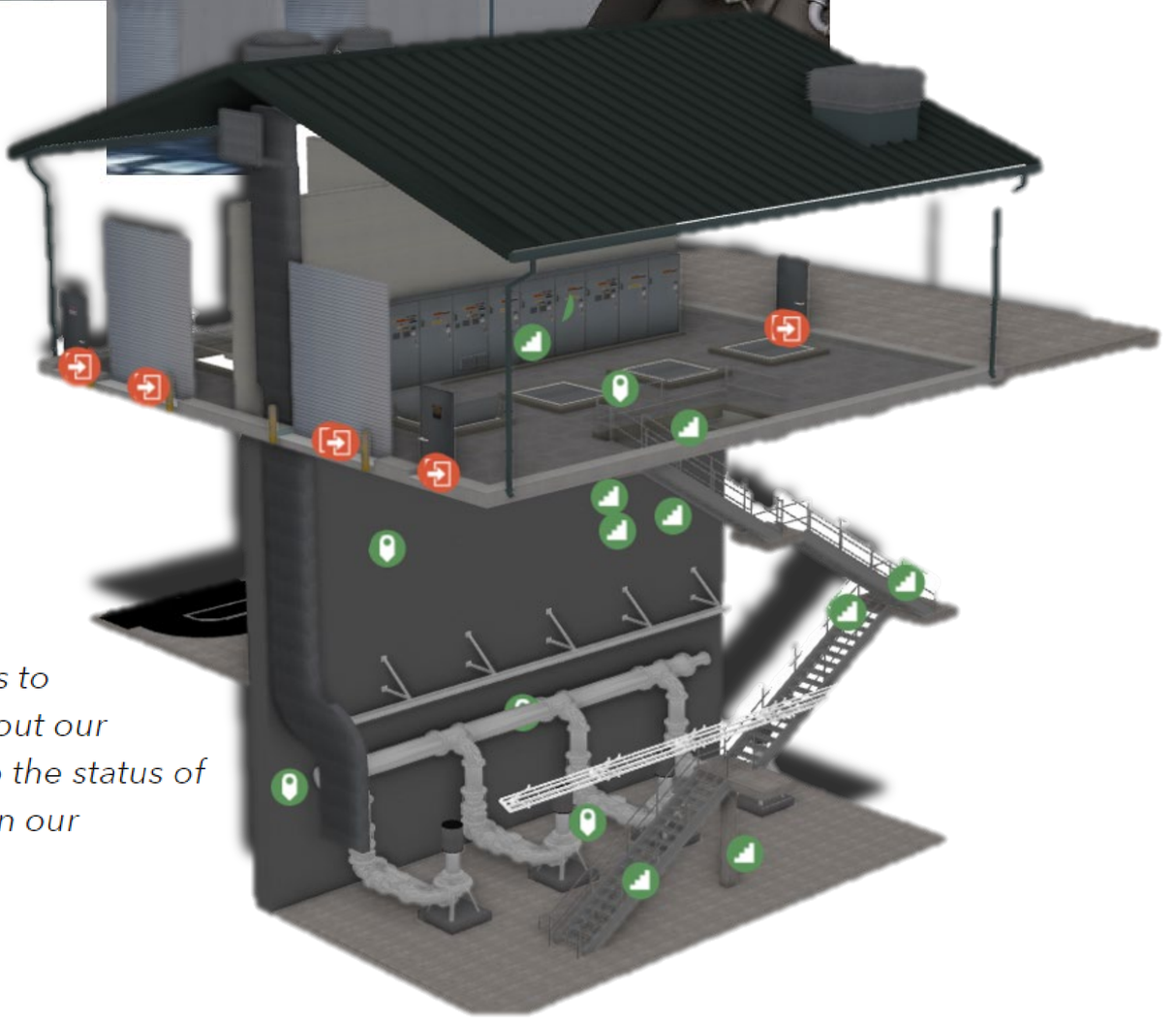
- Better employee experience
- Streamlined incident reporting
- Faster service delivery

USER STORY

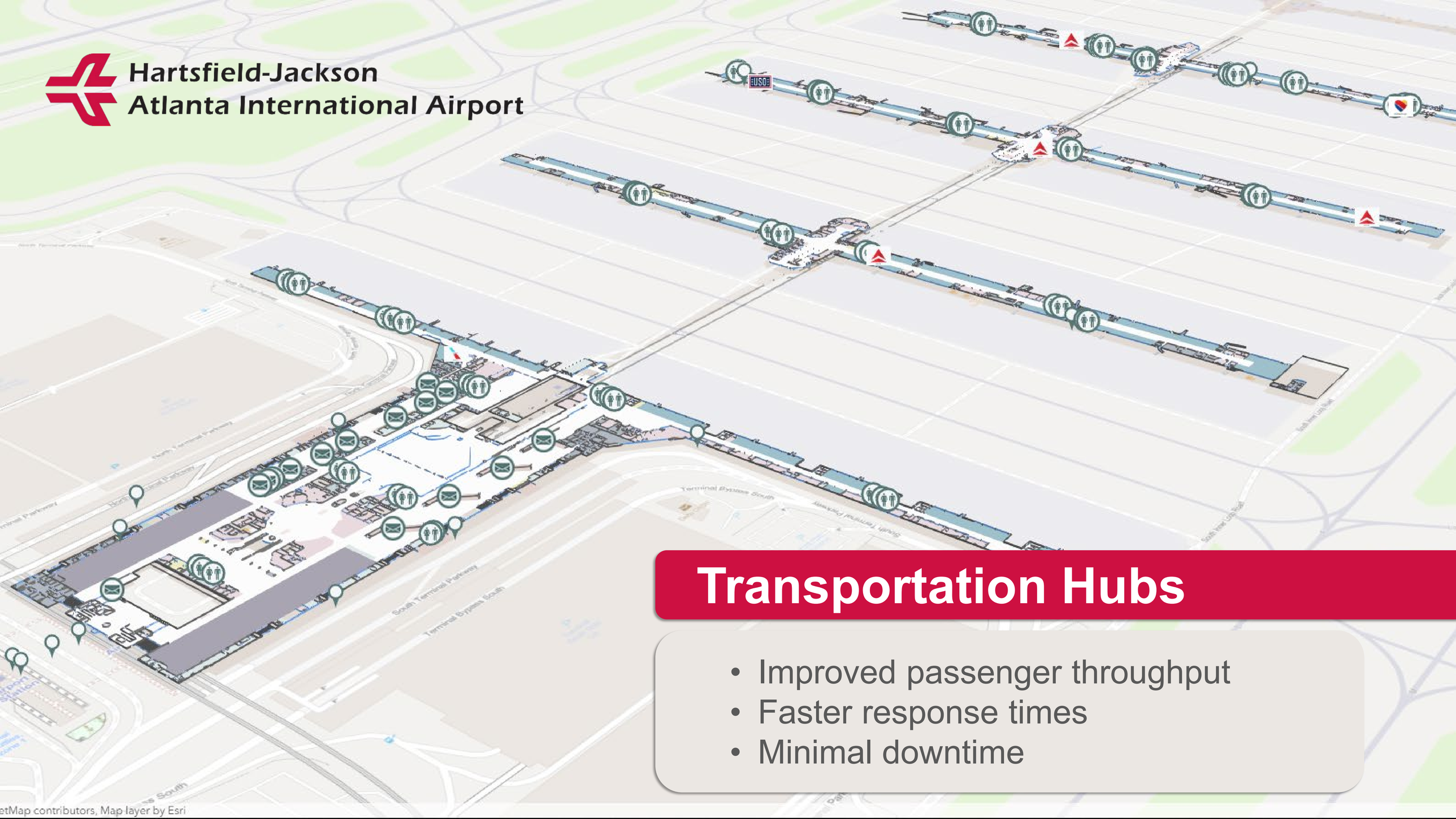
Combining Spatially Contextualized Assets and Real-World Building Spaces Enables a Vertical Asset Management Program

ArcGIS Indoors provides a solution that allows us to standardize how we manage the assets throughout our organization and provides real-time insights into the status of our operational and maintenance activities within our facilities.

Andrew Hayes
Technology Supervisor, Raleigh Water



Hartsfield-Jackson
Atlanta International Airport



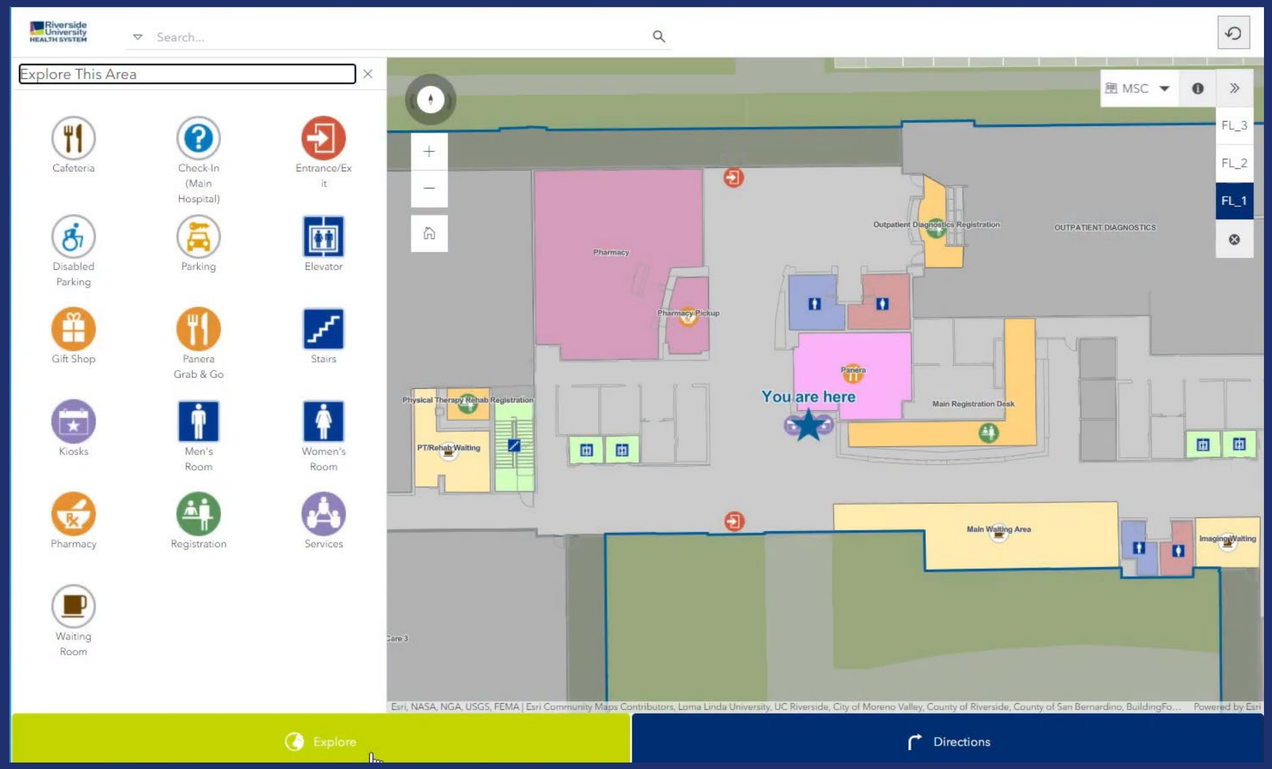
Transportation Hubs

- Improved passenger throughput
- Faster response times
- Minimal downtime

etMap contributors, Map layer by Esri

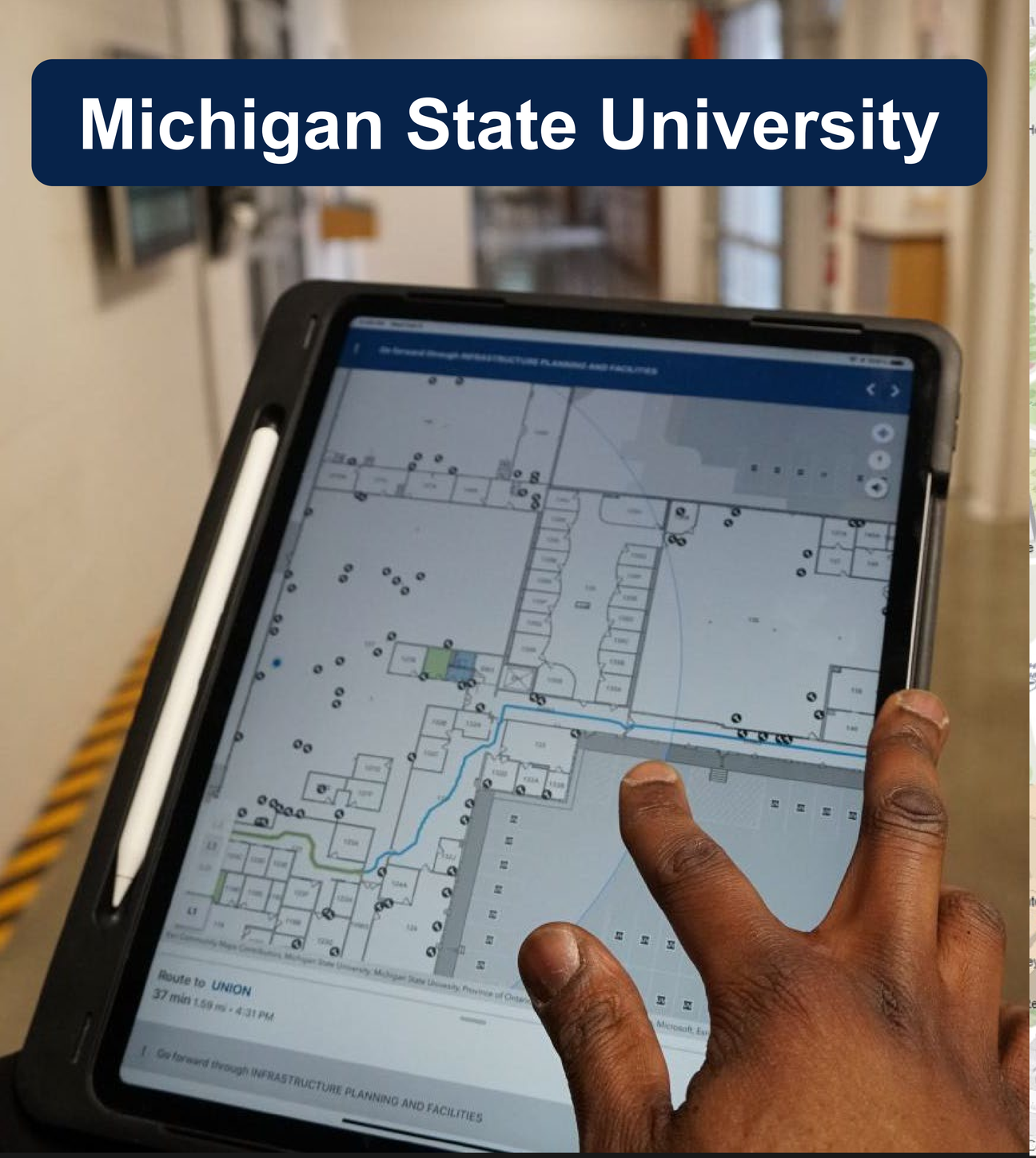
Healthcare

- Improved patient experience
- Accessible wayfinding
- Better situational awareness



Patient Wayfinding Kiosk

Michigan State University

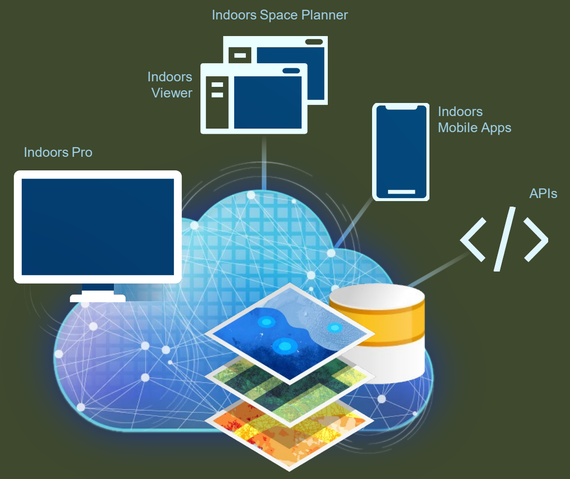


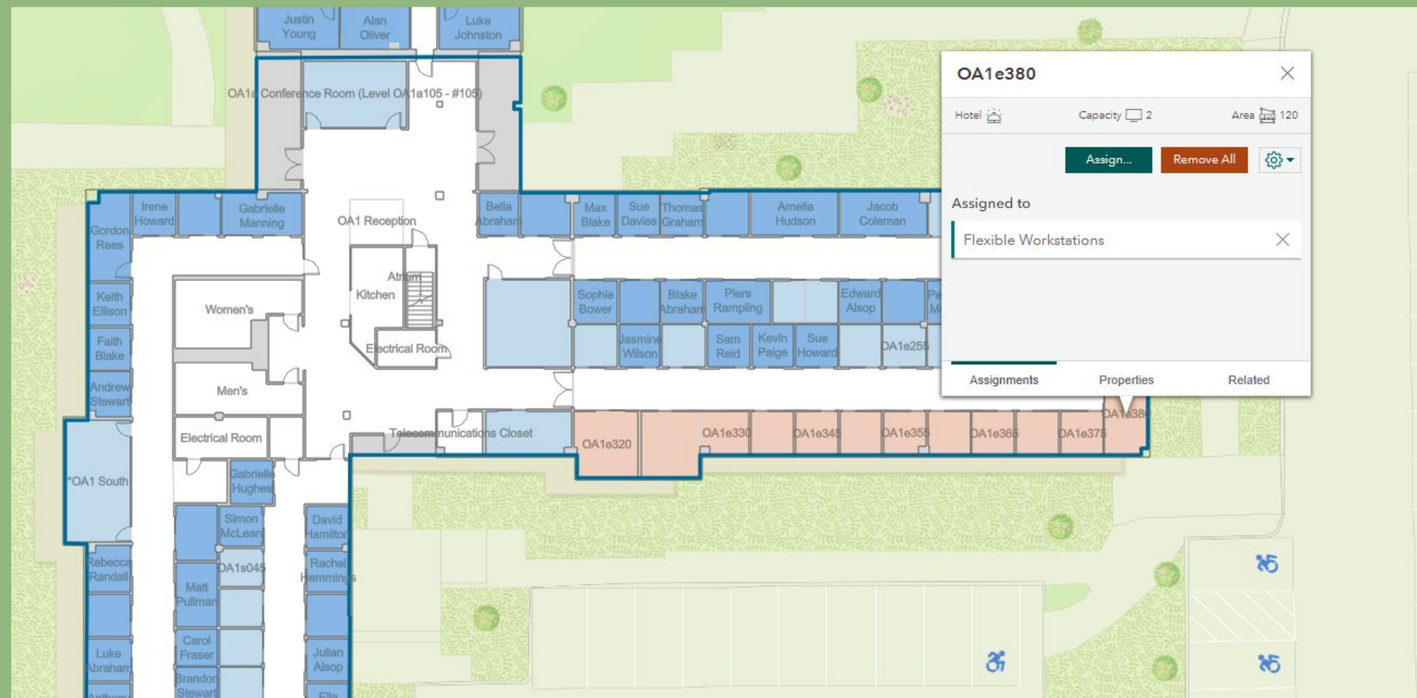
Harvard University

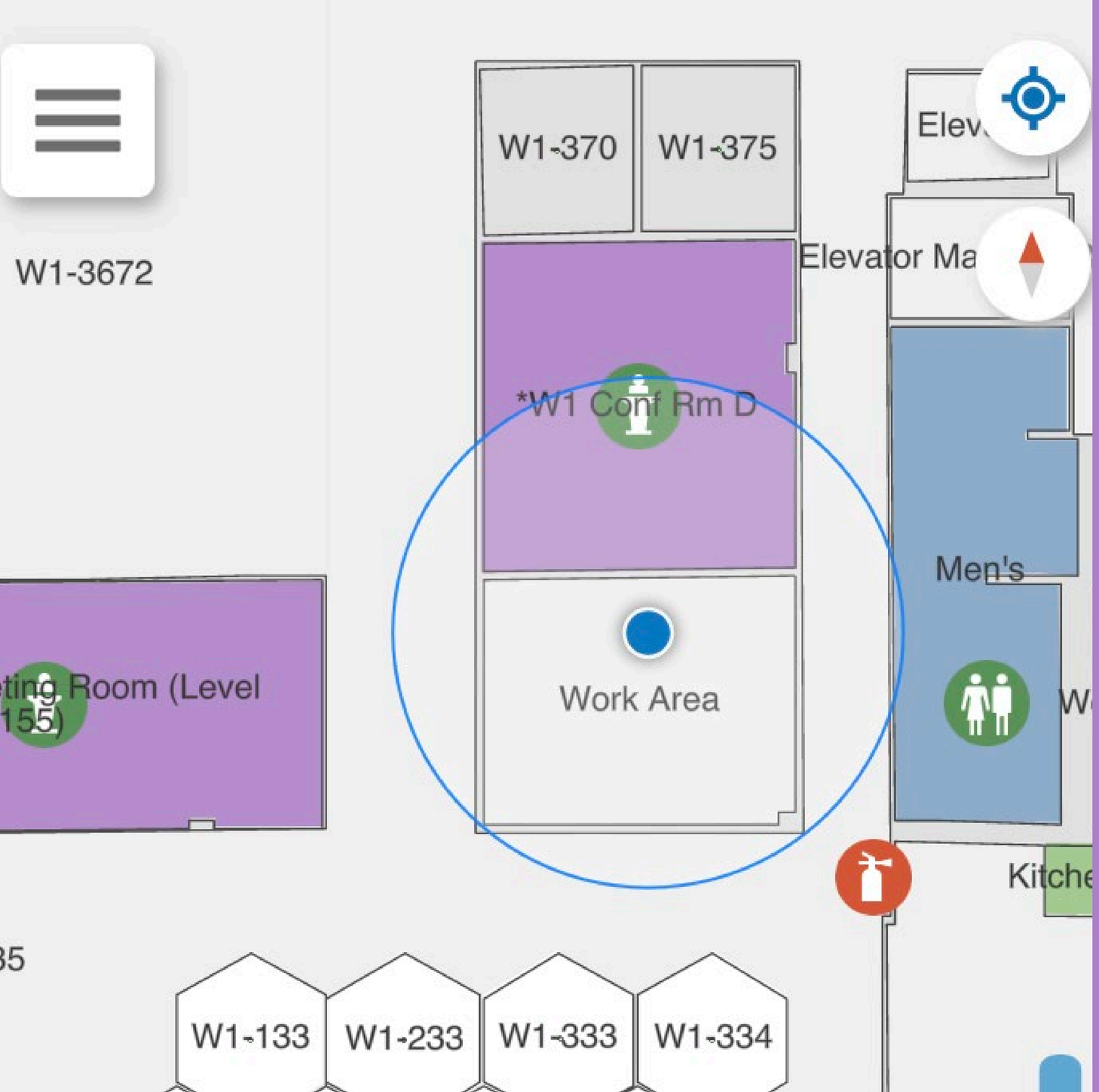
ArcGIS Indoors

Indoor Mapping for Smart Buildings

- Enable indoor maps in ArcGIS Online or Enterprise
- Convert and curate indoor maps for smart building apps
- Support interactive navigation and reservation experiences



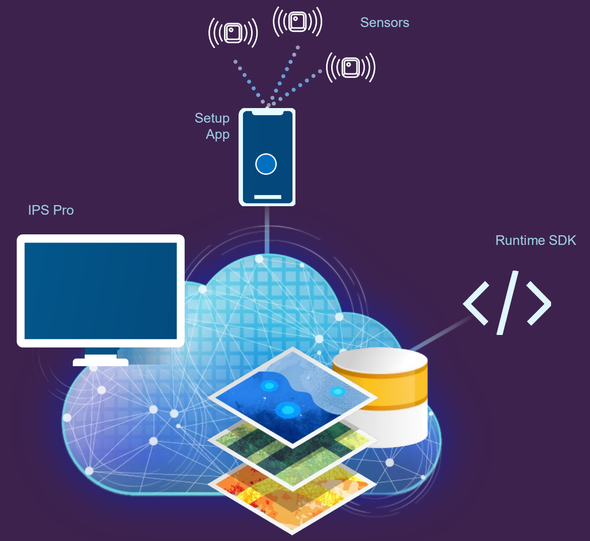




ArcGIS IPS

Indoor Positioning for Smart Buildings

- Easily set up indoor positioning systems
- Enhance indoor apps with indoor location services
- Streamline communication and collaboration



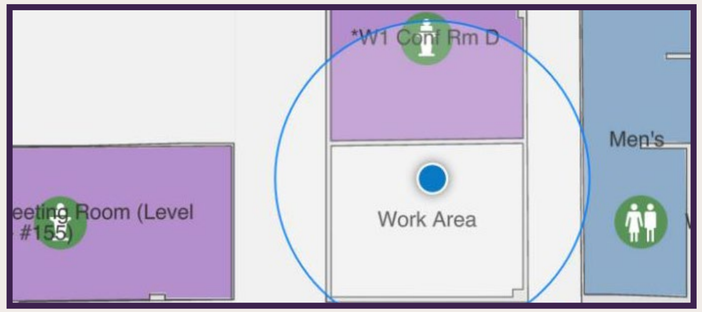
Indoor GIS Enablement Services

Indoor Mapping

Enable staff to convert and curate an indoor map to enable web-based access and sharing of indoor maps through Indoor Viewer, Mobile, and Dashboard apps.

Hybrid Space Planning

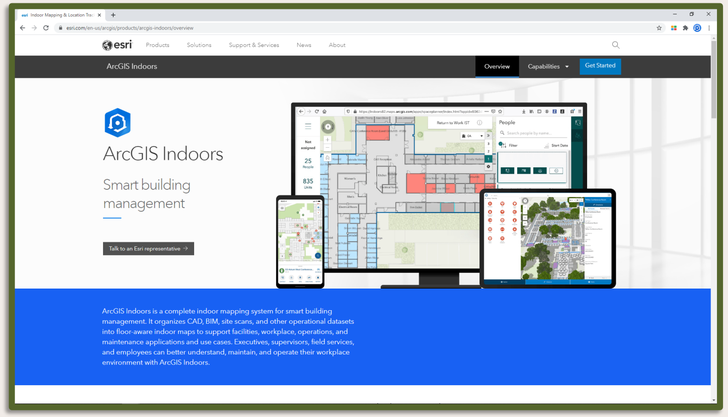
Enable staff to create and curate and indoor map for Indoors Space Planner app to enable space moves and reservations in Indoors Viewer and Mobile Apps.



Indoor Positioning

Enable staff to plan, and setup indoor positioning systems for indoor location services in Indoors Mobile and other apps developed with ArcGIS Runtime.

Indoor GIS Resources

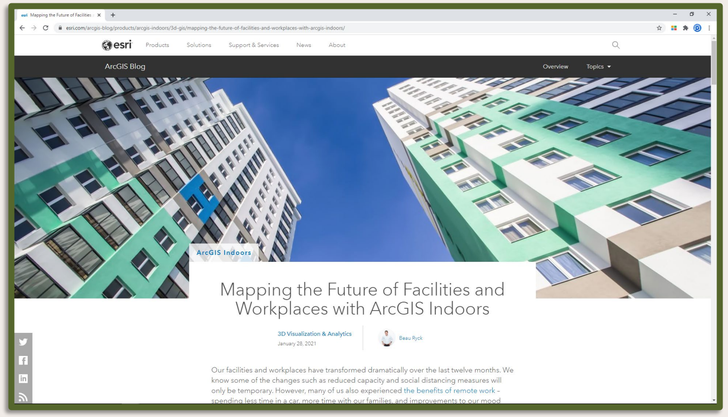


Featured Products

[ArcGIS Indoors Product Page]

[ArcGIS IPS Product Page]

[Indoor GIS Webinars]

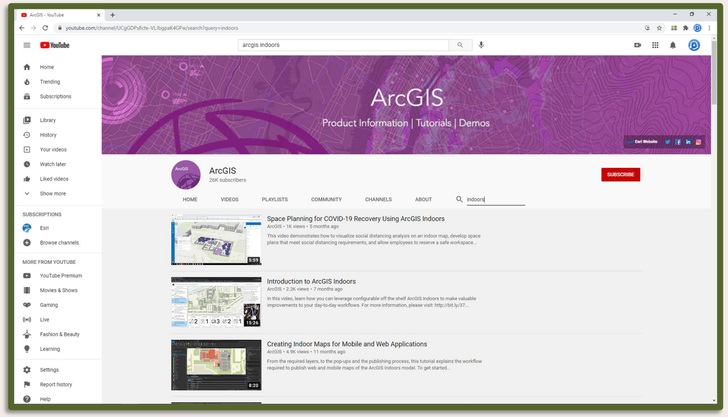


Business Cases

[WhereNext Series]

[ArcGIS Blog]

[Industry Case Studies]



Enablement Materials

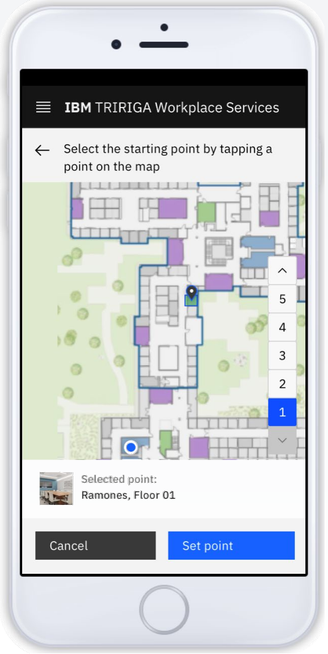
[Demonstrations]

[Video Tutorials]

[GeoNet Community]

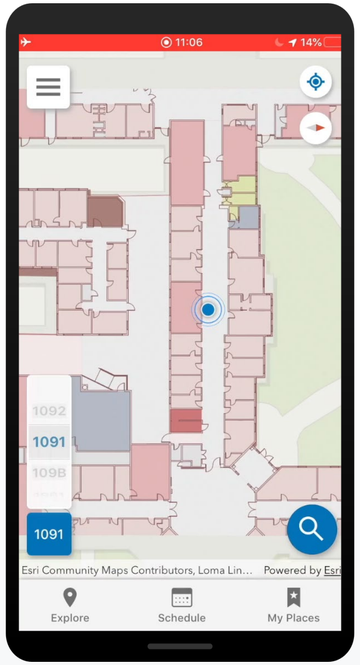
[Learning Plans]

Indoor Mapping Alliances



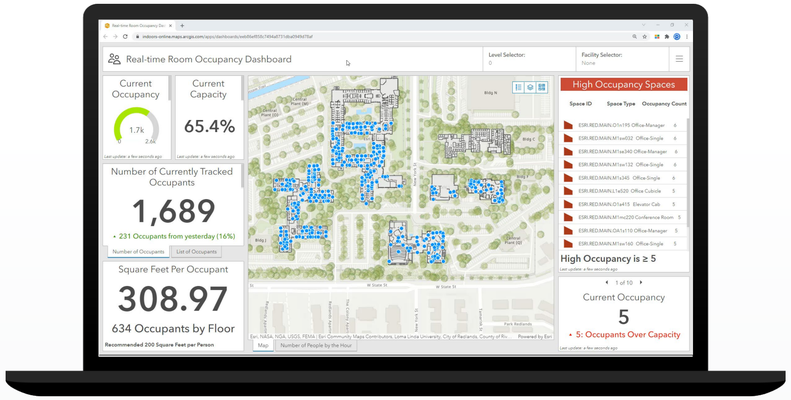
TRIRIGA Indoor Maps

Indoor Maps for
TRIRIGA Wayfinding App



Apple Indoors

WiFi Based Indoor Positioning
for iOS Indoor Mapping Users



Cisco DNA Spaces

Mapping and Analytics for
Real-Time Location Data Streams

ArcGIS Indoors Partner Specialty

Content

GEOCOMM

INDOOR VU

R&K Solutions

Trimble

Solution Partners

Cityworks® Empowering GIS

Cartegraph™

Implementation Services

Atos

geoConvergence

Likons™

ARC-GREENLAB

Innovate! Perform. Excel. Elevate.

Axim GEOSPATIAL

geocgi

KHATIB & ALAMI

ARORA®

INDOOR VU

topomat

R&K Solutions

BLUE RASTER

BURNS McDONNELL

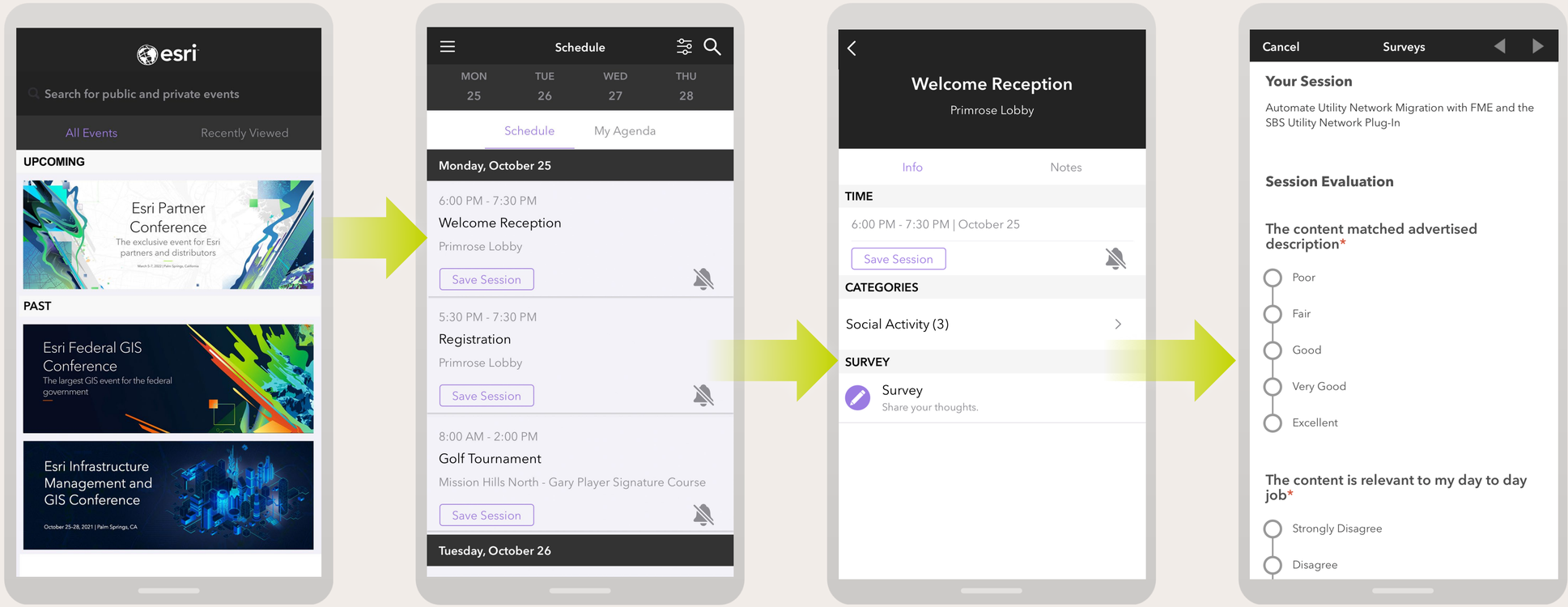
Please Share Your Feedback in the App

Download the Esri Events app and find your event

Select the session you attended

Scroll down to “Survey”

Log in to access the survey



Thank You

Beau Ryck
Global Business Development Manager
Esri, Smart Cities, Indoor GIS
bryck@esri.com