USING INDOORS IN PUBLIC SAFETY WITH LAFAYETTE PARISH COMMUNICATIONS DISTRICT

OCTOBER 28, 2026

PRESENTERS

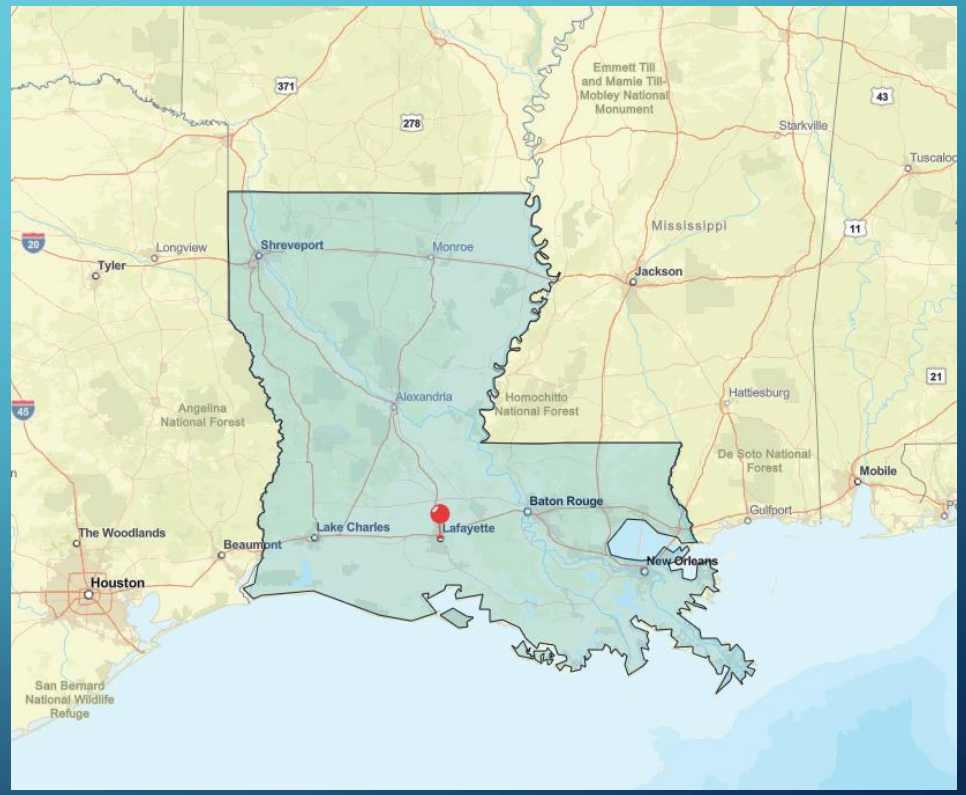
- Gary Hennington, CEO – The Geospatial Group
- Craig Stansbury, Director – Lafayette Parish Communications District
- Blake Carroll, System Support Specialist – Lafayette Parish Communications District
- Clay Terpening, Systems Technician – Lafayette Parish Communications District

Lafayette Parish
Communication District

THE GEOSPATIAL GROUP

LAFAYETTE PARISH COMMUNICATIONS DISTRICT

- Established in 1983
- Located in Lafayette, LA
- Population: 123,618 as of 2026





WHY INTEGRATE FLOORPLAN DATA?

- Louisiana SB126 (enacted June 2025) mandated the creation and sharing of digital school floorplan data for emergency response
- Floorplan integration supports:
  - A common operational picture
  - Faster, more accurate response in a timely event

https://www.billtrack50.com/billdetail/1882106

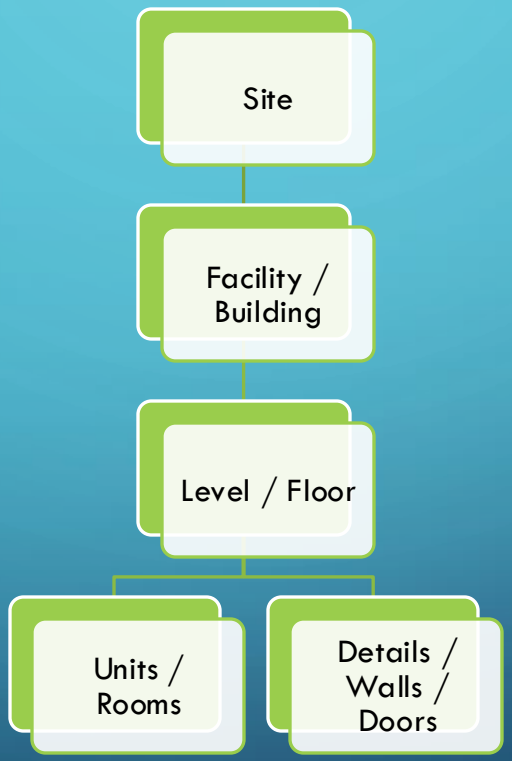
WHAT IS ARCGIS INDOORS?

ArcGIS Indoors extends GIS from the outdoor environment into the interior of buildings, providing a common geographic framework for managing, visualizing, and accessing indoor information.

It supports:

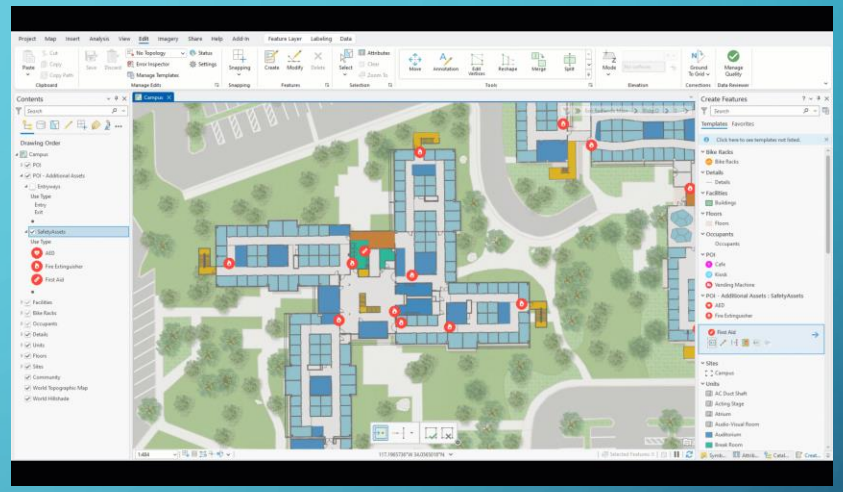
- Floor-aware 2D maps and 3D scenes
- Searchable buildings, floors, rooms, and assets
- Indoor routing and navigation
- Integration with existing GIS datasets and applications
- Optional space management and indoor positioning

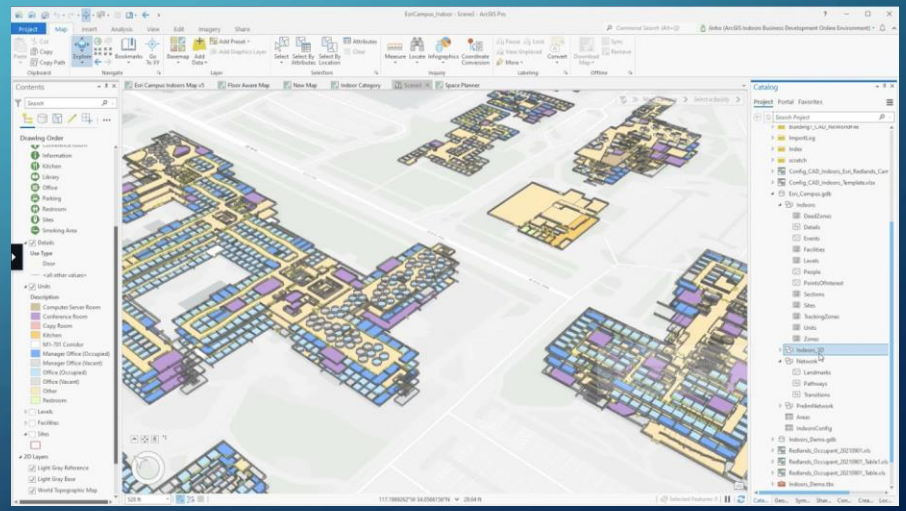
THE INDOORS INFORMATION MODEL



ARCGIS PRO CAPABILITIES

ArcGIS Pro provides the primary professional authoring environment for Indoors.





ArcGIS Indoors

Software, Apps, and User Types

ArcGIS Indoors includes a combination of professional tools, organization-level capabilities, applications, and user types to support indoor GIS workflows.



Professional Tools (Desktop)

Author and maintain indoor GIS data in ArcGIS Pro.

ArcGIS Pro
Professional desktop GIS environment.

Indoors Pro
Authoring and processing tools for indoor data (available in ArcGIS Pro).

Organization Capabilities (Enterprise / Online)

Host and manage indoor information through your GIS platform.

ArcGIS Indoors Spaces
Available to all organization members. Builds on Indoors Pro to author and manage space planning workflows (requires Indoors Maps).

ArcGIS Indoors Maps
Available to all organization members. Provides indoor maps, including Indoors Viewer, Indoors Mobile, and related web apps (requires ArcGIS Indoors).

Applications (Web and Mobile)

View, explore, and interact with indoor information.

Indoors Viewer
Explore indoor maps in a web app.

Indoors Mobile
Access indoor maps in the field.

Floor Plan Editor
Edit and update floor plans in a web app (requires Indoors Spaces).

Space Planner
Manage space and reservations (requires Indoors Spaces).

User Types (Access and Capabilities)

Capabilities vary by user type and application.

Professional Plus
For GIS professionals (Indoors Pro workflows).

Indoors User
For using indoor maps and apps (e.g., Viewer, Mobile).

Creator
For creating and sharing content (e.g., Floor Plan Editor).

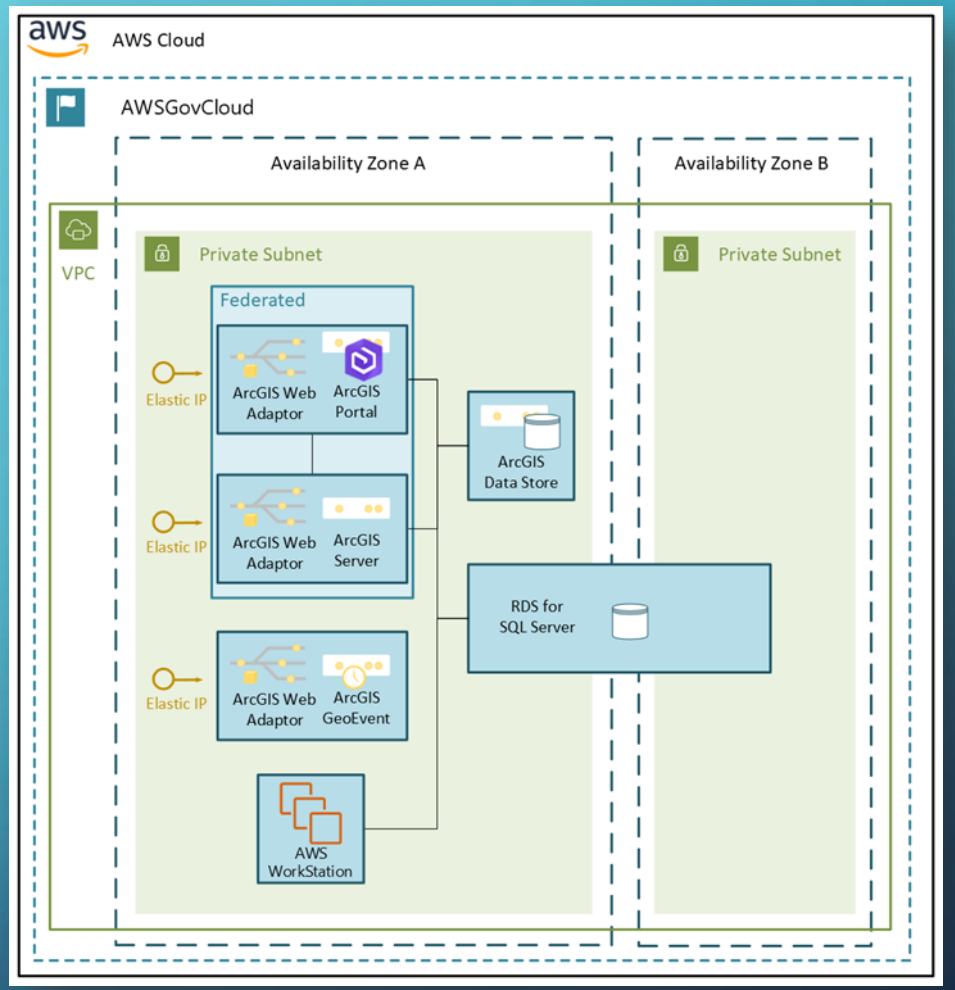
Contributor
For editing and managing indoor content.

Viewer
For accessing maps and apps (read-only).

Licensing and availability may vary based on your organization's needs. Please contact Esri for complete details.

BUILDING A STRONG FOUNDATION

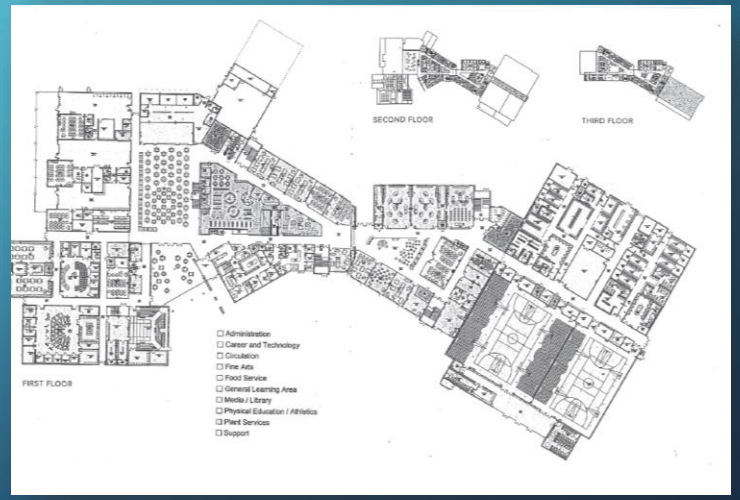
- All GIS services, including floorplan data, are hosted in Amazon Web Services (AWS)
- Benefits of Cloud Hosting:
  - ***Protection***
  - ***Scalability & Recovery***
  - ***Maintainability***
  - ***Security***
  - ***High Availability***



FLOORPLAN MAPPING

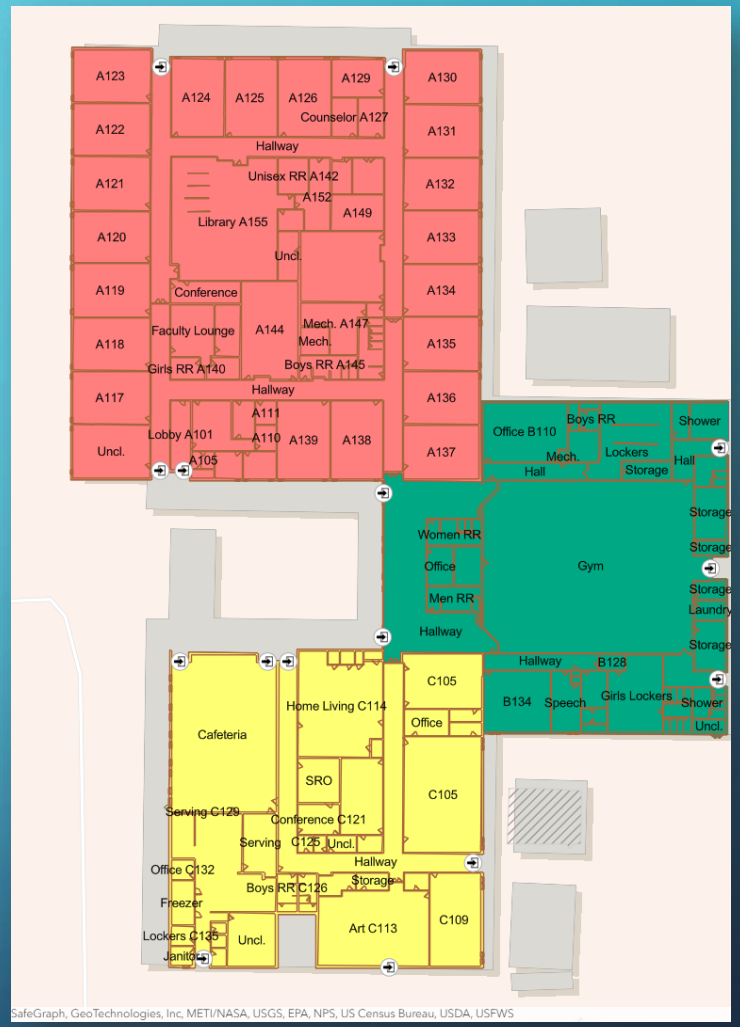
- Project began mid-2025
  - Initial PDF mapping: Outdated, inaccurate floorplans and limited multi-floor capabilities
  - School Board Pilot: Overly detailed building models and cost prohibitive
- All public, private, and charter schools in the Parish have now been LiDAR-scanned
  - The Cajun Dome has also been scanned since school graduations are held there
- Floorplans are configured and loaded into an ArcGIS Indoors enterprise geodatabase
- Colored zones ensure unified response

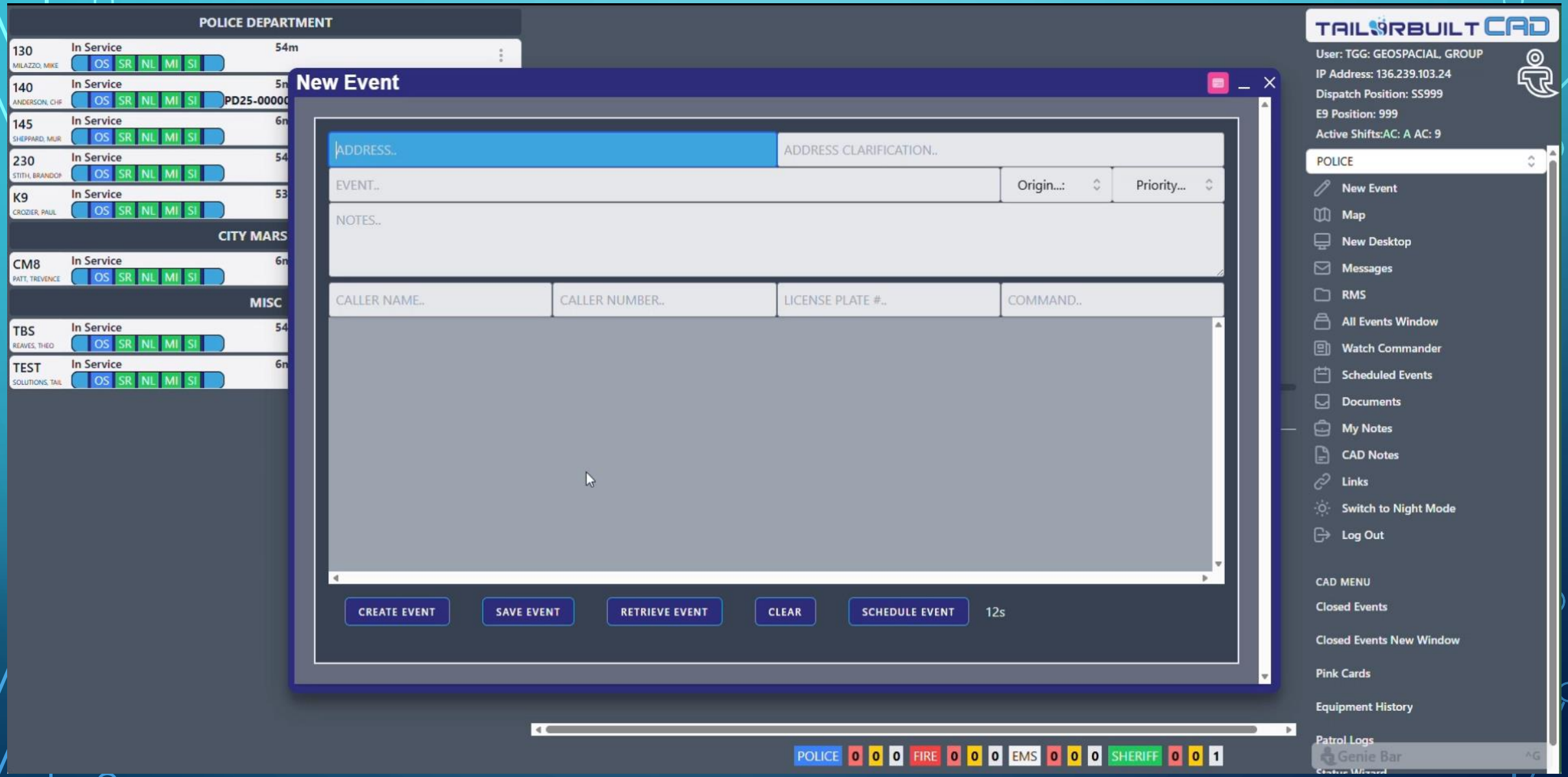




FLOORSIGHT™

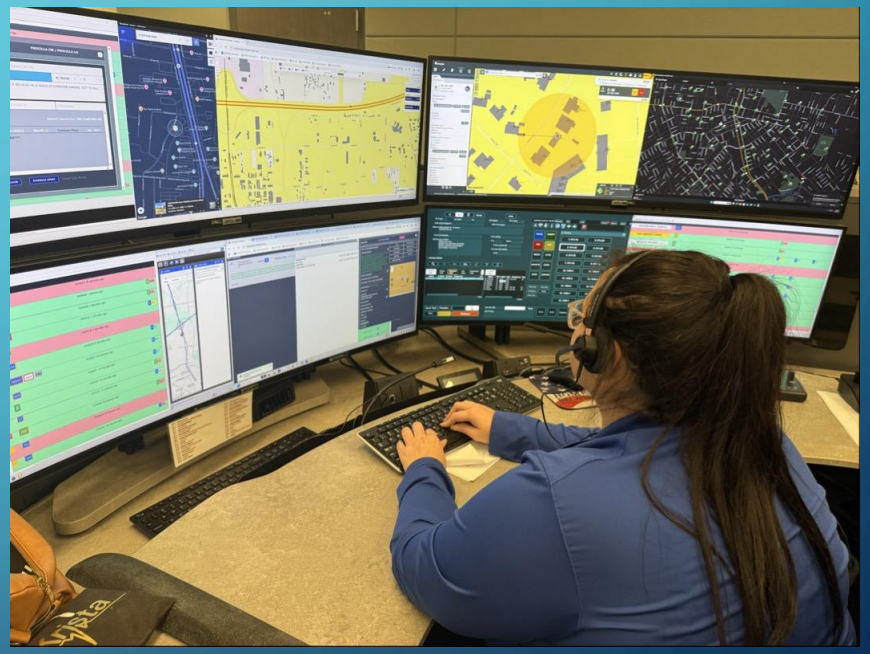
- FloorSIGHT™ is a custom floorplan viewer built by The Geospatial Group
- Allows for detailed searching, down to the room level
- Linked directly in CAD for quick, convenient access
- Provides detailed situational awareness to all responders prior to arriving on scene




POLICE DEPARTMENT
130 In Service 54m
MILAZZO, MIKE
OS SR NL MI SI
140 In Service 5m
ANDERSON, CHR
PD25-00000
145 In Service 6m
SHEPPARD, MUR
230 In Service 54
STITH, BRANDON
K9 In Service 53
CROZIER, PAUL
CITY MARS
CM8 In Service 6m
PATT, TREVENCE
MISC
TBS In Service 54
REAVES, THEO
TEST In Service 6m
SOLUTIONS, TAIL
New Event
ADDRESS..
ADDRESS CLARIFICATION..
EVENT..
Origin...:
Priority...
NOTES..
CALLER NAME..
CALLER NUMBER..
LICENSE PLATE #..
COMMAND..
CREATE EVENT
SAVE EVENT
RETRIEVE EVENT
CLEAR
SCHEDULE EVENT
12s
TAILORBUILT CAD
User: TGG: GEOSPACIAL, GROUP
IP Address: 136.239.103.24
Dispatch Position: SS999
E9 Position: 999
Active Shifts:AC: A AC: 9
POLICE
New Event
Map
New Desktop
Messages
RMS
All Events Window
Watch Commander
Scheduled Events
Documents
My Notes
CAD Notes
Links
Switch to Night Mode
Log Out
CAD MENU
Closed Events
Closed Events New Window
Pink Cards
Equipment History
Patrol Logs
Genie Bar
POLICE 0 0 0 FIRE 0 0 0 EMS 0 0 0 SHERIFF 0 0 1

STAKEHOLDER ENGAGEMENT

- Coordination with school staff to facilitate scanning
- Training and adoption strategy
  - Students are trained on how to place a call (use room number and know your colored zone)
  - Local law enforcement perform practice drills utilizing the floorplan data
- Maintaining floorplan data when there are changes in architecture/design



RETURN ON INVESTMENT/LESSONS LEARNED

- A common operational picture has enhanced emergency response
- LPCD is better positioned for fast, accurate emergency response
- There is a strong foundation for future floorplan mapping and integration
- Don’t let hurdles prevent you from starting!

FUTURE GOALS

- Implement all floorplan attributes directly in CAD so that pan and zoom features can be instantaneous
- Add directional routing within FloorSIGHT™
- Expand floorplan data to include banks, hospitals, businesses, and other areas of interest.



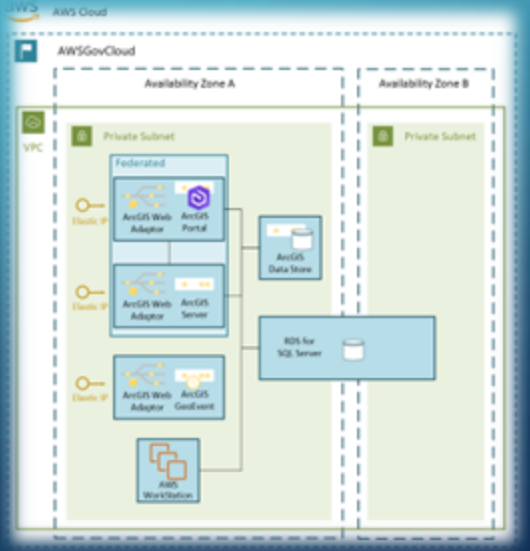

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Indoors Pro
ArcGIS Indoors Spaces
ArcGIS Indoors Maps
Indoors Viewer
Indoors Mobile
Floor Plan Editor
Space Planner
Professional Plus
Indoors User
Creator
Contributor
Viewer





QUESTIONS?




AWS Cloud
AWSGovCloud
Availability Zone A
Availability Zone B
VPC
Private Subnet
Private Subnet
Federated
ArcGIS Web Adaptor
ArcGIS Portal
ArcGIS Data Store
ArcGIS Web Adaptor
ArcGIS Server
RDS for SQL Server
ArcGIS Web Adaptor
ArcGIS GeoEvent
Amazon WorkSpaces

