

Indoor GIS

Extend the Power of GIS to Indoor Spaces



What Is Indoor GIS?

An indoor geographic information system (GIS) extends GIS to indoor built environments. It allows you to create interactive digital maps of your indoor spaces and visualize, manage, and analyze indoor data to make better-informed decisions.

Leverage indoor GIS through ready-to-use mobile, web, and kiosk applications—or custom-built apps—to improve the occupant experience, safety and

security, and asset and space management. The core products are ArcGIS® Indoors™ and ArcGIS IPS™. ArcGIS Indoors enables foundational indoor map creation from floor plans, and it powers floor-aware maps and focused applications across the ArcGIS system. ArcGIS IPS adds the real-time indoor positioning experience to indoor maps.

Indoor GIS Patterns of Use



Asset Management:
Map the location of assets (fixed or mobile) and tie them to asset and work order management systems for efficient processing.



Space Management:
Facilitate informed space planning and management and enable hybrid workplaces through flexible workspace assignments and reservations.



Safety and Security:
Enhance safety and security operations with improved first responders' situational awareness to locate people, places, assets, exits, and evacuation routes faster to reduce response times.



Occupant Experience:
Enhance the building occupants' and visitors' experience by improving their interactions with the indoor spaces.



What You Can Do with Indoor GIS

- ✓ **Visualize your indoor data in one place:** Combine your source CAD and BIM data into a comprehensive geo-spatial system of record and visualize it on a digital indoor map using ArcGIS Indoors. Or create and maintain your indoor map in our intuitive web app, Floor Plan Editor, if no CAD or BIM data is available.
- ✓ **Streamline asset and work order management:** Indoor spaces need regular maintenance and inspections. Indoor mapping and wayfinding enable IT, facilities, and security personnel to save time in responding to work orders, knowing exactly where and how to get to their work.
- ✓ **Plan and manage your space:** With the ArcGIS Indoors Space Planner, organizations can maximize the utility of their existing space in many ways, such as consolidating unused space to reduce leased square footage or reallocating it to other business units. Organizations can also plan the use of new space needed for growth and expansion.
- ✓ **Enable a hybrid workplace:** Employees and visitors need to know they have the space, equipment, and amenities they need, plus where to find them and how to access them on days they are at work. Indoors enables meeting room and office hotel booking and workspace assignments, which enhance productivity and collaboration when in the office.
- ✓ **Enhance safety and security:** Updated indoor maps of facilities show the locations of people, spaces, and assets, as well as marked exits or evacuation routes. This empowers first responders, facilities, and administrators with improved situational awareness providing the right information at the right time, and enables timely safety and evacuation planning.
- ✓ **Improve indoor wayfinding:** Empower building occupants, and visitors with ArcGIS IPS to quickly locate their live position inside the facility and navigate to places, people, assets, and other points of interest in real time. Help them find their way instantly and independently, saving time and costs.

FOR MORE INFORMATION

Visit go.esri.com/indoor-gis to get more details, connect with the sales team, and ask questions.

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