ArcGIS Indoors: An Introduction

Beau Ryck
Account Executive
bryck@esri.com

Jeff Archer
Product Engineer
jarcher@esri.com
Organizations allocate over 80% of their budget to employees and their resources.
2 out of 3 organizations rely on disconnected email, pen and paper, and project files to carry out workplace planning.
ArcGIS Indoors

a System for Workplace Planning and Navigation

• Easily find workplace information
• 2D & 3D Maps and visualizations
• Accurate indoor positioning
Support Employee Mobility

Quickly find your next meeting, an important colleague, collaboration spaces, or other amenities.
Monitor Security and Continuity

Complete asset visibility and real-time device tracking enable rapid event response.
Increase Planning Productivity

Save time accessing the latest workplace data such as space type, allocation, and utilization directly via a 2D or 3D web map.
ArcGIS Indoors Positioning Systems

Bluetooth

Wi-Fi

GPS

location
ArcGIS Indoors Desktop

Curating Workplace Feature Data

• Create Data Model
• Load DGN / DWG
• Create People Points
• Create Routable Networks
  • Floor pathways generation
  • Floor transition generation
  • Open walkway classification
  • Building entryway generation*
ArcGIS Indoors Web

- Two modes for identified and anonymous users
- Quick search or categorical explorations
- Location sharing and indoor routing
- Branding
ArcGIS Indoors Mobile

- Indoor positioning
- Location sharing, routing, and tracking
- User calendar integration
- Categorical Search
- Incident Reporting
- Map selection
Demo
ArcGIS Indoors Roadmap

• Dashboarding
• Web & Mobile Editing
• Operational System Integration
• Additional Indoor Positioning Systems
• Advance Tools for Indoor Map Creation
• Indoor Positioning API
• L10n
• BIM Floorplan Support
• Enhanced Routing, Visualization, and Printing
Getting Started with ArcGIS Indoors

1. Infrastructure
   - Portal
   - GeoEvent

2. Workplace Map Enablement
   - Aircraft
   - Satellite

3. Indoor Positioning
   - Indoor map

4. App Configuration
   - iOS
   - Android
   - Web App
   - Kiosk

Indoors Pilot Project
What’s Next?