

Facilities GIS: The Value of Location in Facilities Management

Esri DC GIS Meet-Up

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Managing Facilities is Complicated



Facilities Management Business Functions



Portfolio & Planning

Selecting Sites, Tracking Demand and Performance, Balancing Resources



Operations & Maintenance

Meeting Demand, Capturing Requirements, Boosting Productivity

Safety & Security

Protecting Property and People, Mitigating Risk, Being Compliant







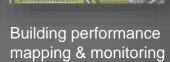


Indoor space & amenity site selection



Real-time portfolio key performance indicator mapping

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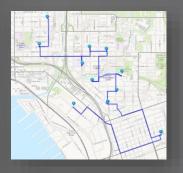


Space allocation & utilization





Person, place, amenity locator, search/find "show me the path"



Optimized work scheduling, navigation, routing, wayfinding

Real-time indoor environment sensors, monitoring & alerts



Active, high priority work orders



Hot spots of increased service requests & work orders





Natural hazard & continuity of operations



Risk assessment & planning



Event planning, safety, and security



Live camera feeds & view sheds



ADA compliance & emergency evacuation routes



Location - Creates Order Out Of Disorder

- Correlate diverse data using location as the "universal" index
- Improve data accuracy
- Enhance analysis/understanding
 - Visualizing information
 - Identifying patterns
 - Finding relationships
 - Detecting trends
- Enable efficient/effective workflows
- Report against data from multiple systems of record

Increase Value of Existing Data / System / Process Investments

Allow existing information to support more than one purpose

Provide Holistic Views and Reports

Better decision making

Improve Teamwork / Communications

- Collaboration, transparency, productivity

Mitigate Risk

 Planning for/awareness of emergency and health situations

Save Time

- Immediate access to necessary information

See. Plan. Manage. Protect.



- Location Based
- Visual
- Quantitative
- Analytical
- Communicative
- Integrative

Low impact on existing systems and organizations

No "rip and replace" of existing systems and workflows

Lightweight and quickly put into place

Implement in phases — pilot to focus on solving a specific problem, expand solution as needed

Scalable – World to the Widget

- Landscape Portfolio
- Site Campus, Infrastructure
- Building Geometry, Data
- **Space** Utilization, People
- Asset Things

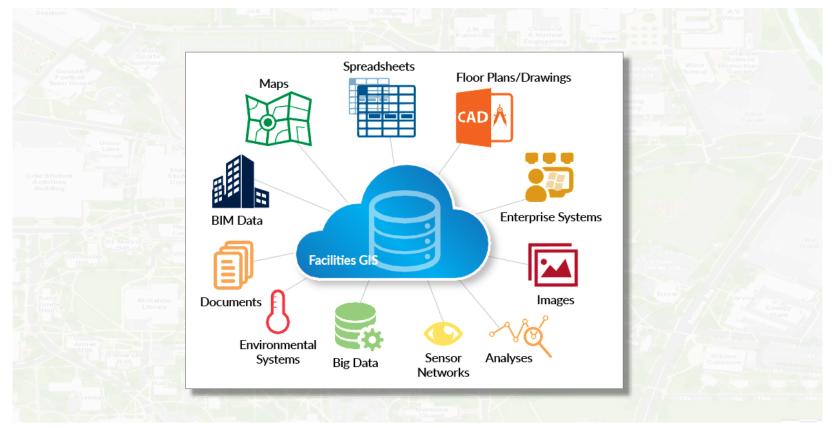
Seamless...indoors and out!

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PenBay Solutions, LLC

See. Plan. Manage. Protect.

Facilities GIS = Location + Your FM Data + Your Systems of Record



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See. Plan. Manage. Protect.









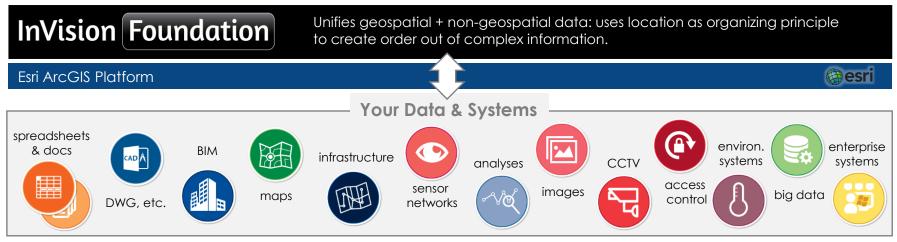


InVision InSite





See.



Facilities Management Using Location













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ADA Compliance







Emergency Response





See. Plan. Manage. Protect.

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PenBay Website

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White Papers

- "Facilities are Mission Critical for Federal Real Property"
- "Facilities are Mission Critical for Higher Education"
- "Facilities are Mission Critical for K-12"
- "Facility Management is All About Location, Location, Location"
 - Download at http://penbaysolutions.com/info

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