

Our presenters



George Dailey

is the Education Administration/Operations Manager for Esri, the world leader in GIS.

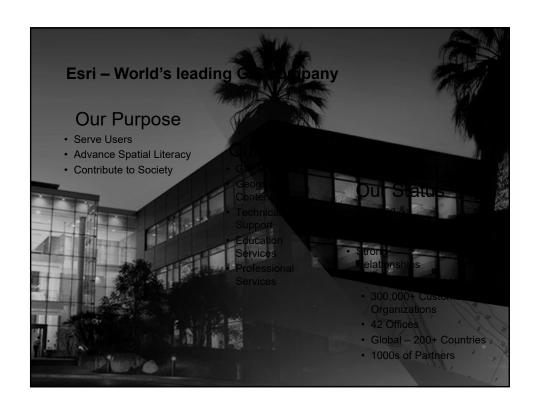
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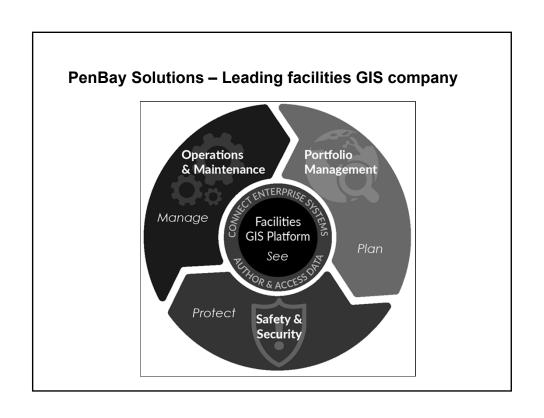


Richard Koochagian

is the COO and Education Practice Lead for PenBay Solutions, the leader in facilities GIS.

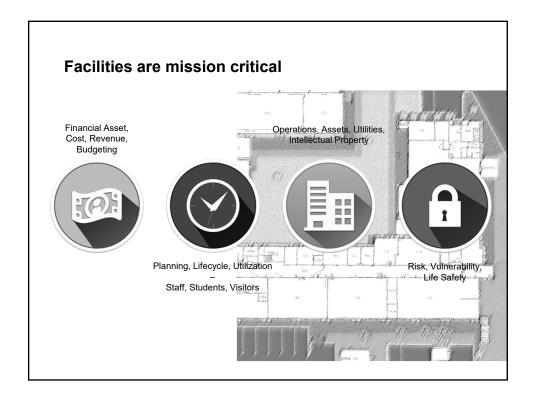
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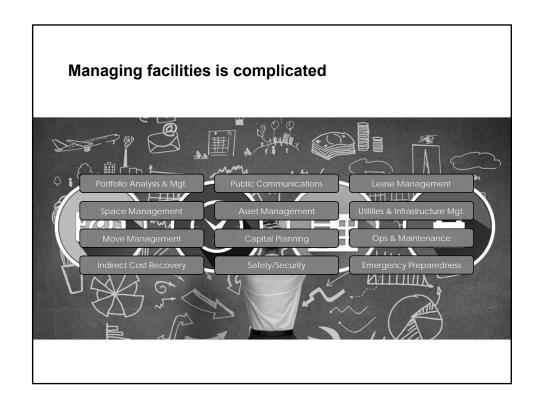


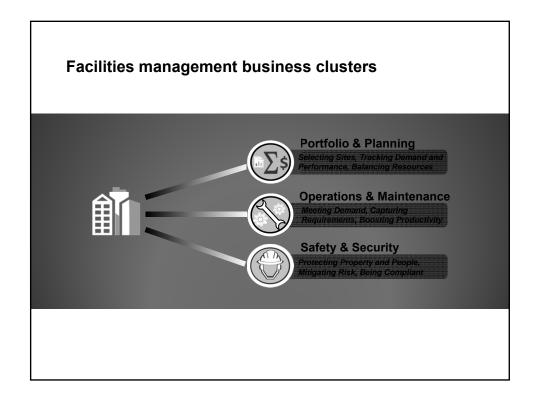


Session learning objectives

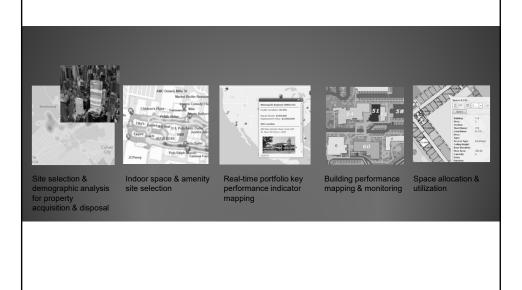
- Understand why location can & should be used as the organizing principle for complex FM related information/data
- Examine the unique ways a location-based technology approach solves challenges in FM/operations and safety & security
- 3. **Compare** facilities GIS implementation approaches that bring together data, systems, and departments
- Discover facilities GIS technology ROI through real-world case studies



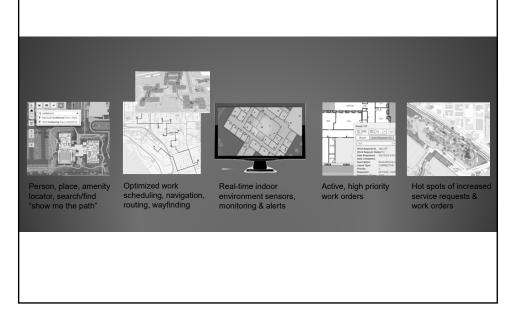




Portfolio and planning activities



Operations and maintenance activities



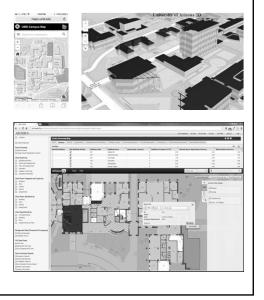
Public safety and security activities



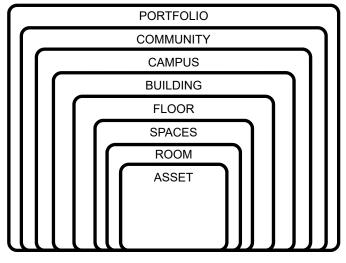
GIS provides a system of engagement

Through maps, apps, and geographic content, GIS is:

- Visual
- Quantitative
- Analytical
- Communicative
- Integrative



GIS | Integration across all scales



...seamless indoors and out

Why facilities GIS for FM?

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



Why facilities GIS for FM?

Location: Provides added value

Increase worth 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

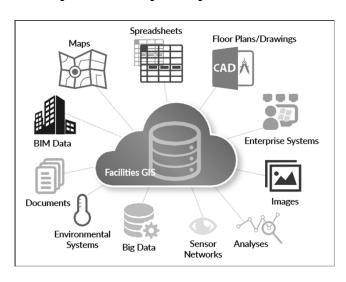
Mitigate risk

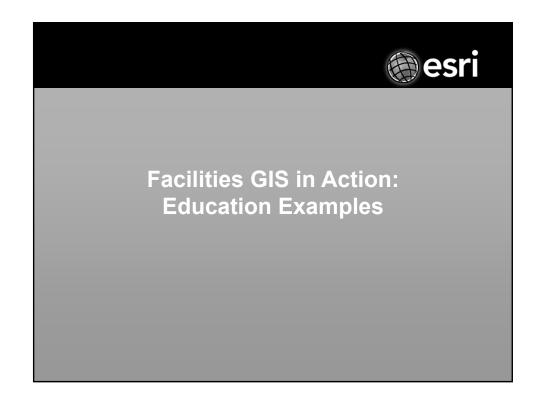
Planning for/awareness of emergency and health situations

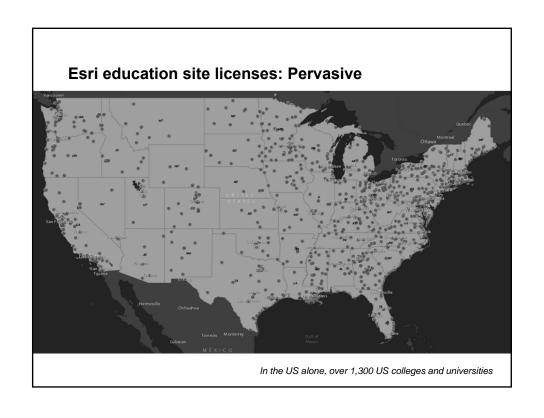
Save time and money

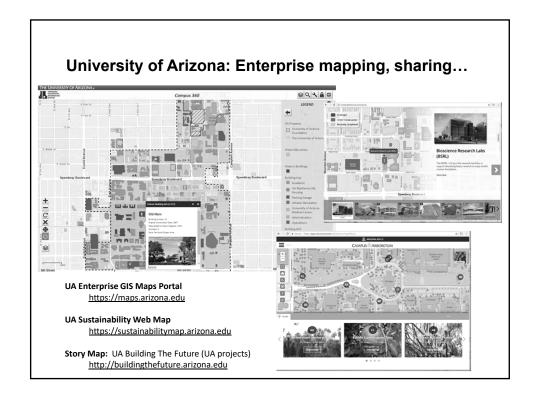
- Immediate access to necessary information

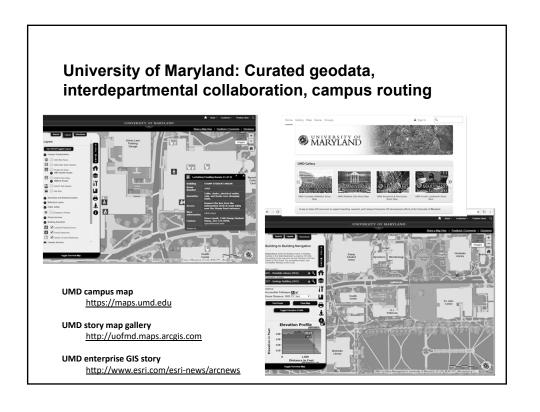
Facilities GIS = Location + your data + your systems of record











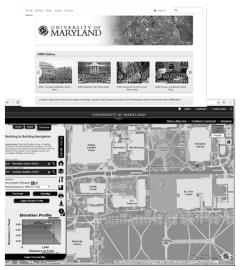
University of Maryland: Curated geodata, interdepartmental collaboration, campus routing



UMD campus map https://maps.umd.edu

UMD story map gallery http://uofmd.maps.arcgis.com

UMD enterprise GIS story
http://www.esri.com/esri-news/arcnews



UMass-Amherst: Campus master planning, crowdsourcing, energy monitoring



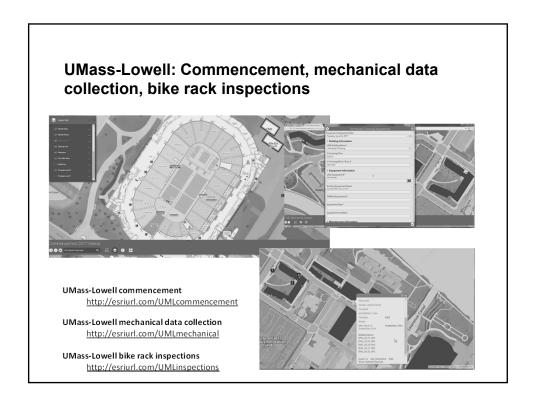
UMass-Amherst master plan explorer https://www.umass.edu/cp/master-plan-explorer

UMass-Amherst campus projects https://www.umass.edu/cp/decade-renewa

UMass-Amherst building energy explorer
https://www.umass.edu/co/green-campus-resource

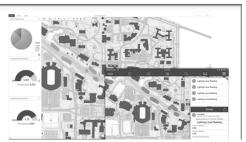








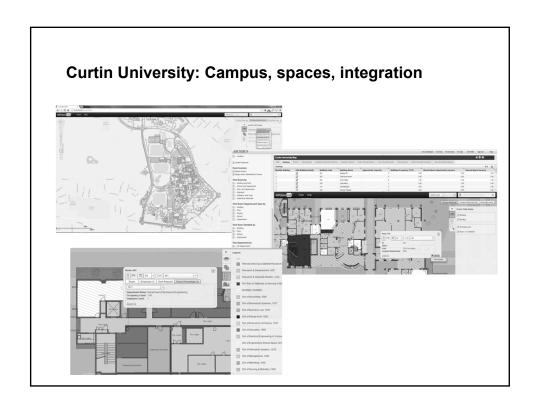
Michigan State: Streamlining field operations

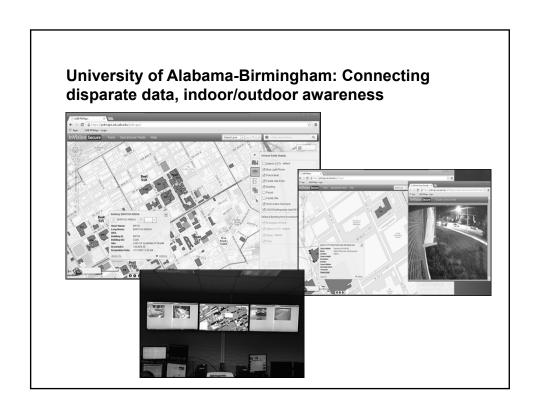


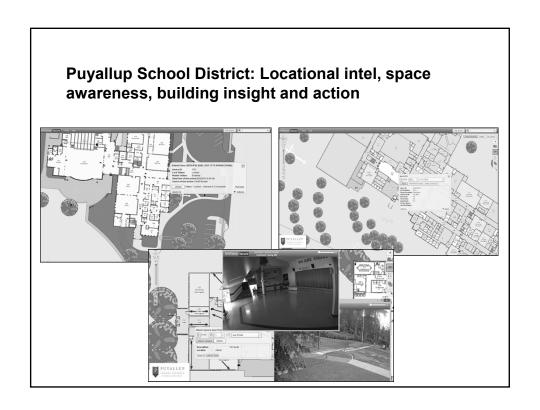
Employee Engagement

"At the end of the day when we come back to turn in our timecards and punch out, everyone passes by the dashboards and it's motivating to see how much work you did today and think about whether you can do a little more tomorrow to move the needle going forward...."

http://www.cfta.org/online-webinars







Location, Location

There is immeasurable value in using location as the organizing principle for Facilities data -

- Location can and should be used as the organizing principle for complex FM related information/data
- Location-based technology approaches solve challenges for FM/operations and safety & security
- Location focused solutions bring together data, systems, departments, and people
- Facilities GIS technology provides ROI as seen through real-world case studies

Thank you



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