Enabling Real Time Geospatial Data for Next Generation Facilities Management

OSIsoft and Esri

Mapping and Location Analytics Platform

Supporting Your Use Cases

GIS | Integrates All Types of Geospatial Information

Consumerization | your experiences with technology at home drives expectations @work

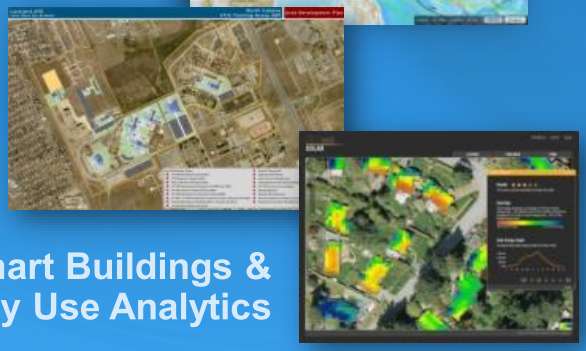
Value of Adding Mapping & Location Analytics

Mapping is Everywhere

Real Property, Planning & Site Analysis

COOP, Safety, & Security Planning

Smart Buildings & Energy Use Analytics



- Detecting patterns, trends, & relationships
- Prediction, reaction, & coarse correction
- Decision support at all scales or levels of details

ArcGIS – A Mapping and Location Analytics Platform

Enabling GIS Everywhere

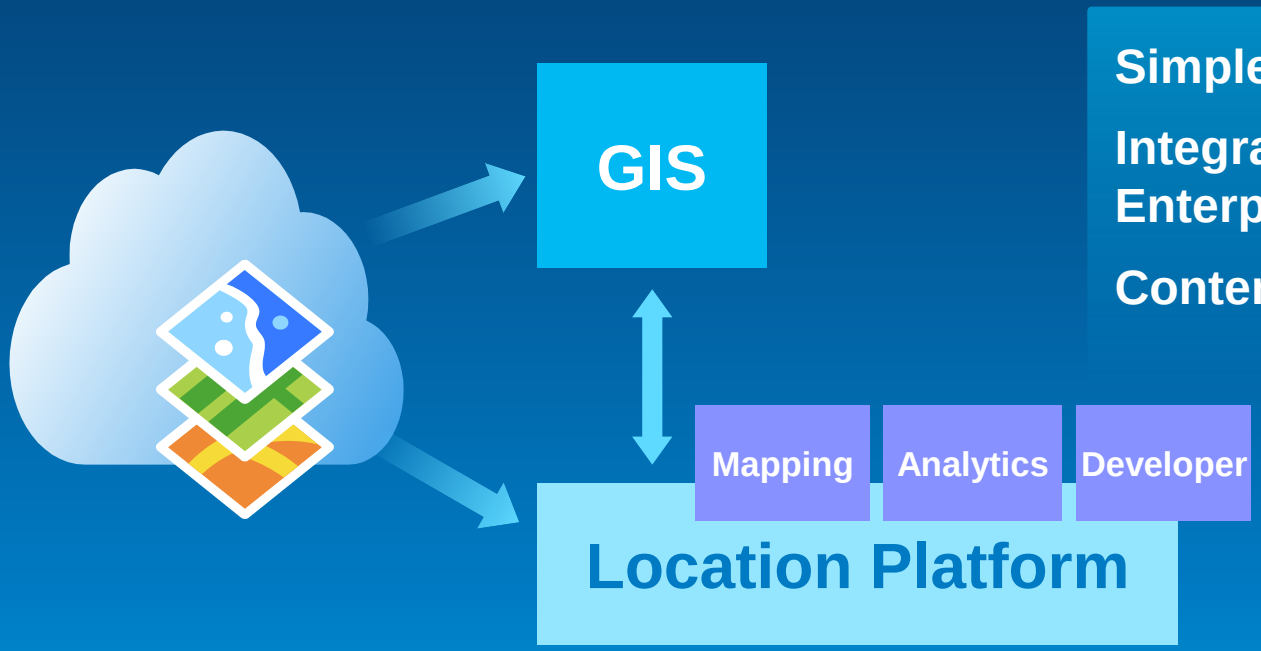
Simple

Integrated

Open

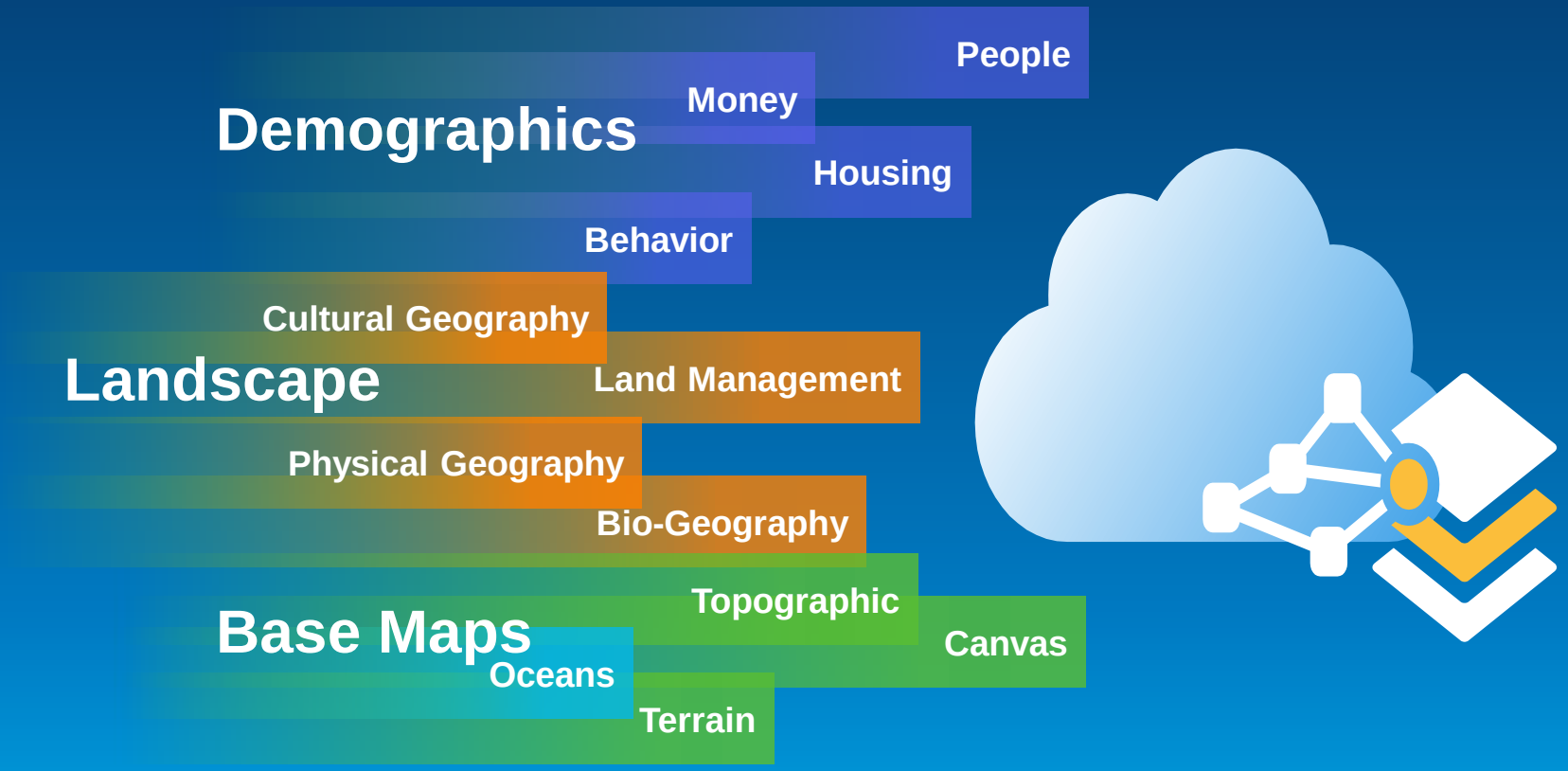
Available in the Cloud . . .
. . . and On-Premises

The ArcGIS Platform Supports Two Communities



. . . Geocentric workflow and location enablement

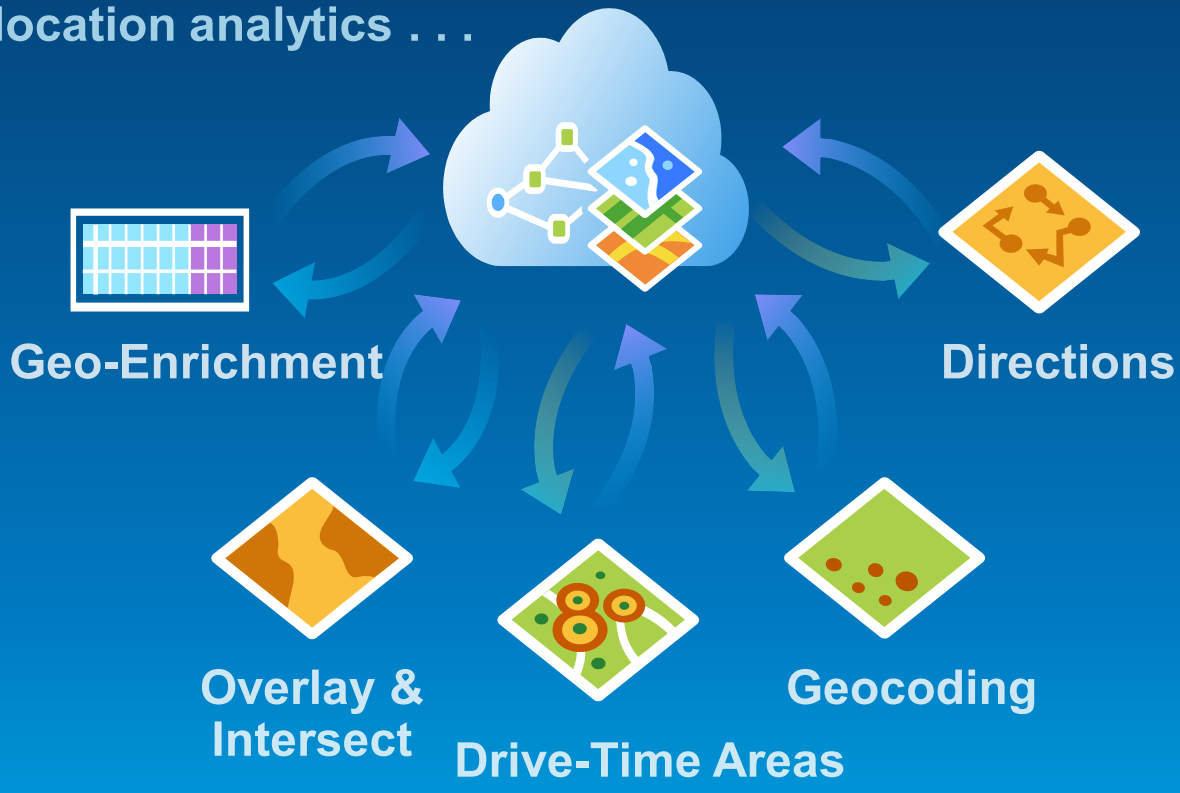
ArcGIS Includes Rich Content Services



. . . Global maps available for PI users

ArcGIS Includes Analytic Services

Many services
delivering location analytics . . .



. . . services that can be utilized by PI

ArcGIS Utilizes Building Information

Integrating Building Data with Other Geographic Information

3-D Tools

BIM

CAD

Interoperability

- Web Server
- Extract, Translate, Load
- CAD/BIM Standards
- Interchange Formats

Specifications

- BOMA/FICM
- OmniClass
- COBie
- OSCRE

Tools

- 2D & 3D Data Models
- 4D Historic Playback
- Editing
- Visualization
- Design
- Analysis

ArcGIS Geo-enriches Enterprise Systems

Providing Mapping and Location Analytics

Integration with leading Facility, Infrastructure, Safety & Security systems of record

- Database
- Web Service (REST)
- API

ArcGIS Geo-enriches PI

Providing Robust Mapping and Location Analytics Capabilities

Delivering real-time analytics across space and time …

Together delivering better business decisions

ArcGIS for Facilities – 3 Primary Business Patterns

Mapping & Location Analytics for common needs …

Portfolio

Tracking Demand, Balancing Requirements and Resources

Operations

Meeting Demand and Capturing Requirements

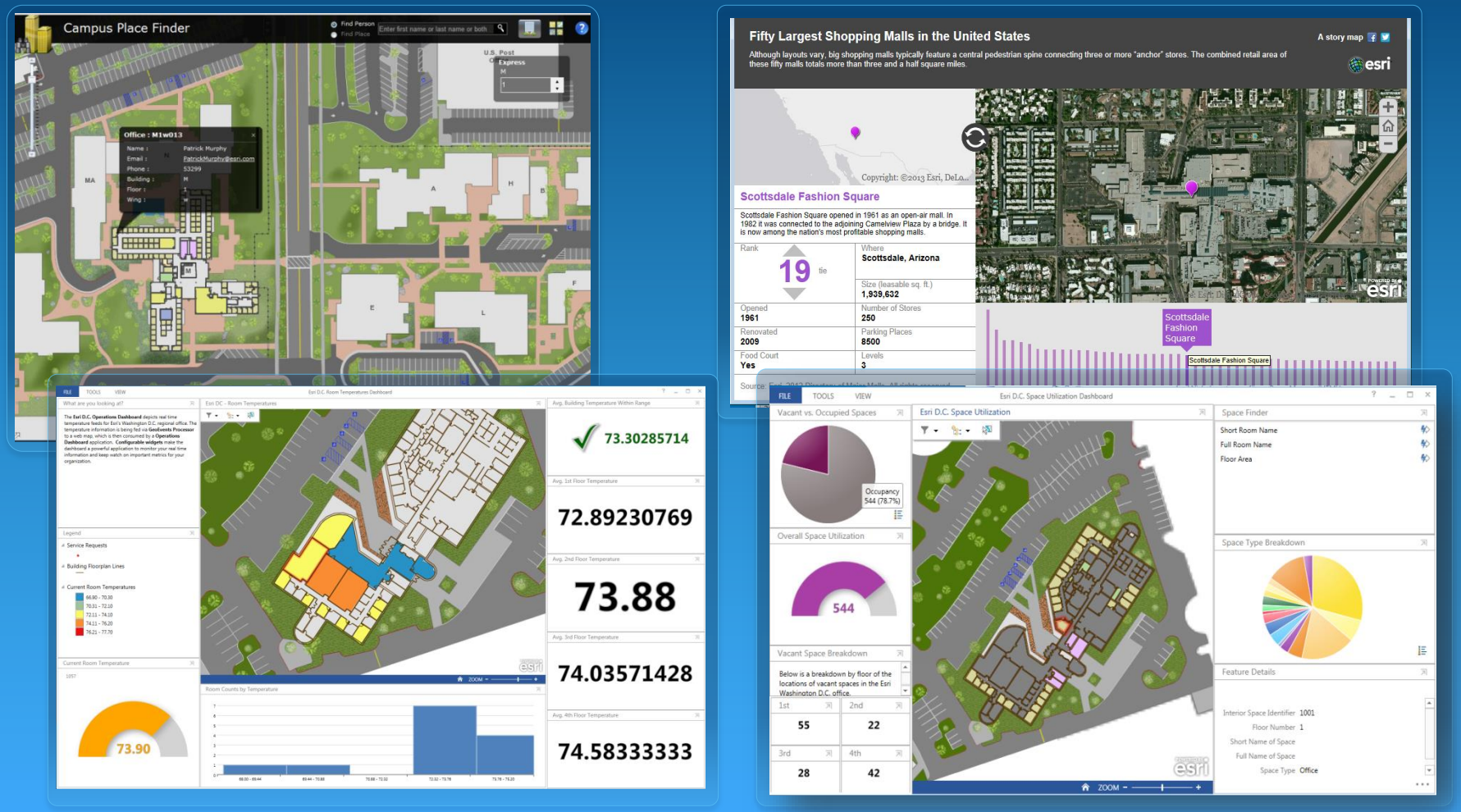
Safety & Security

Protecting the Investment

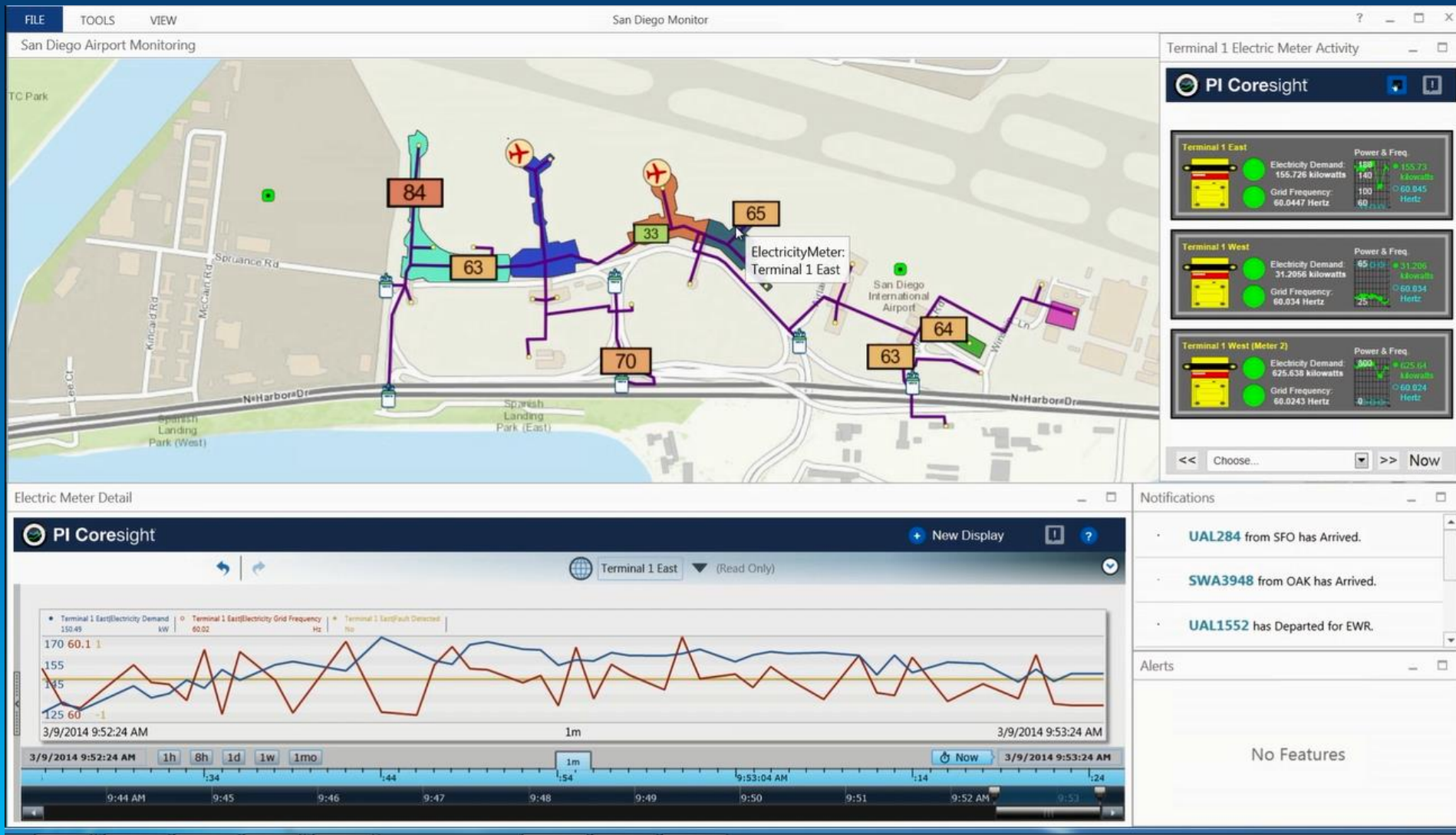
… complimenting your existing real property and facilities management technologies

ArcGIS Templates for Facilities Mapping & Analytics

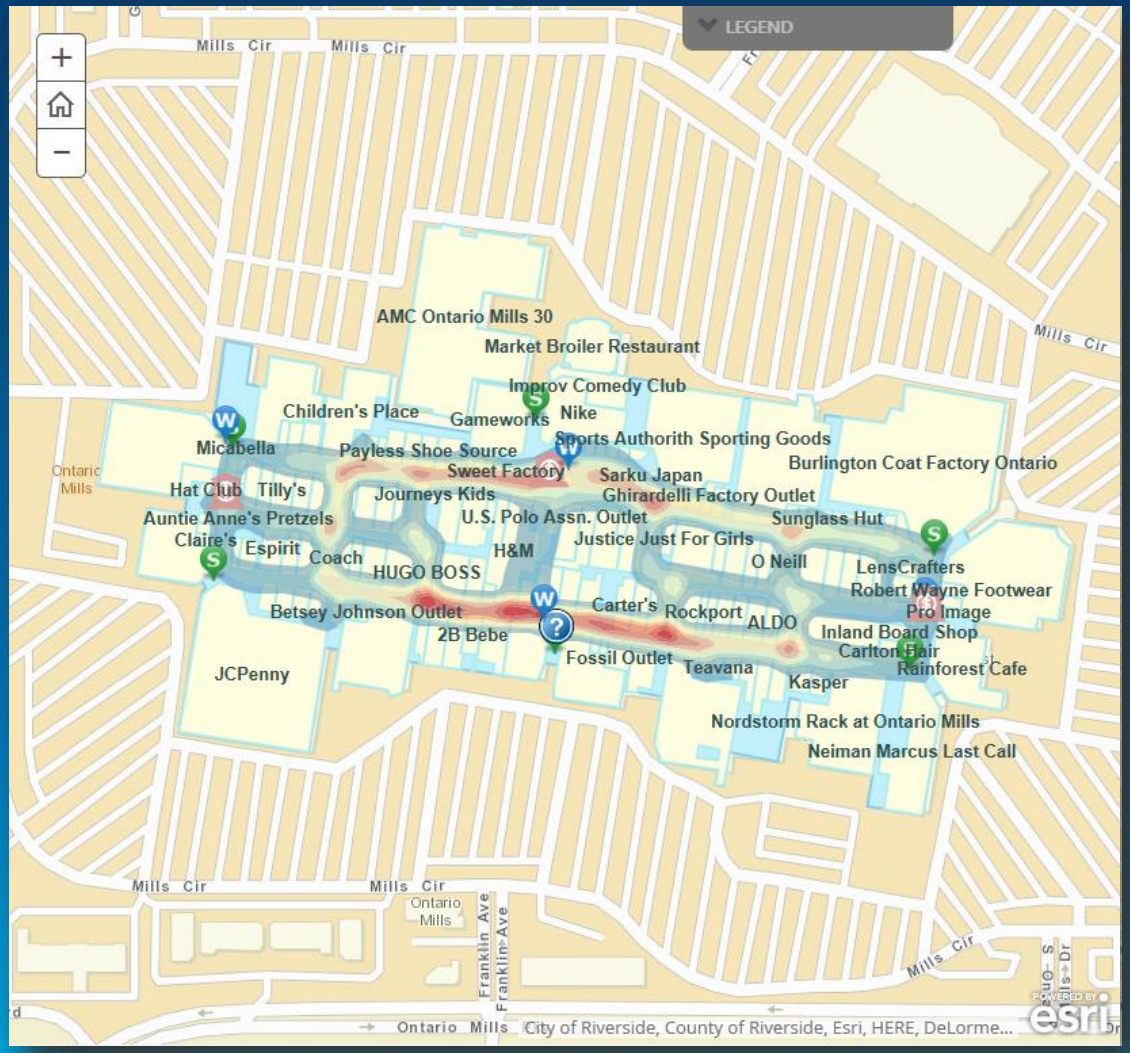
- **Building, Campus and Portfolio Levels of Detail**



ArcGIS & PI – A Powerful Combination



Drive Action, Support Better Decisions



Diversity of User and Applications

- Government
- Colleges & Universities
- Hospitals & Medical Centers
- Manufacturing & Industrial
- Commercial Real Estate and Facilities

Demonstration: PI & ArcGIS

Real-Time Analytics in Space and Time

at the Esri DC Office

Esri | serving our users, advancing GIS, and promoting spatial literacy

Understanding our world.