

Smart Installations

Ben Conklin Jim Bauer



Smart Installations

Responding to challenges and leveraging advances in technology

A Smart Installation improves operational readiness by providing shared understanding off all the operations on an installation.

Effective Installation Management Supporting Operational Readiness and Efficiency

- Complying with Government Regulations and Directives
- Energy Efficiency and Resiliency
- Responding to Emergencies
- Transparency and Accountability



Energy Efficiency



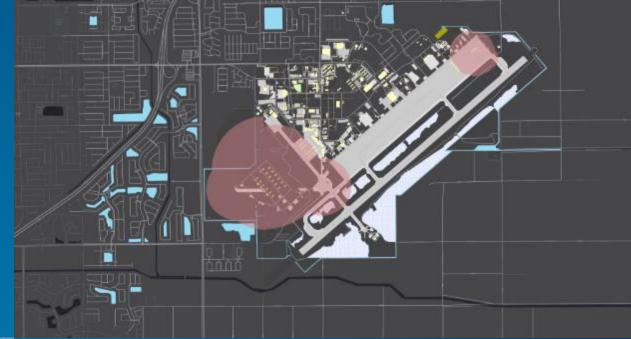
Security and Resiliency





Effectively managing an installations requires effective collaboration across departments and levels of command

What is a Smart Installation?





- Accurate and Up-to-Date Inventory of Assets
- Integrated Systems for Cross-Department Coordination
- Real-Time Situational Awareness at all levels of command
- Consistent centralized view of all installation operations

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SECURE

INNOVATIVE RESILIENT

What is a Smart Installation?

SUSTAINABLE

EFFICIENT

GREEN

ASSET MANGEMENT UTILITIES

TENENTS

TRAINING

What is a Smart Installation?

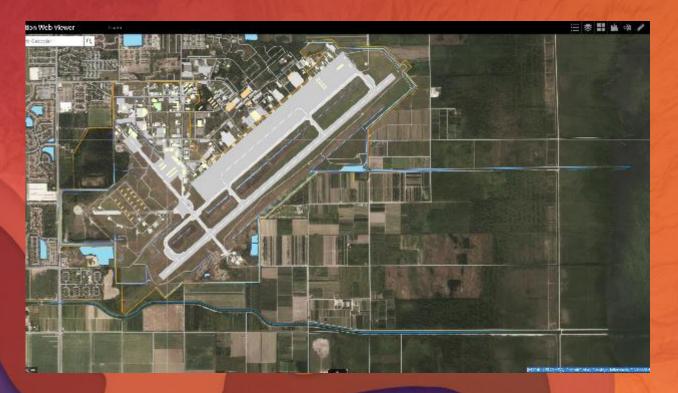
SECURITY

ENERG

ENVIRONMENT



FORWARD THINKING



Smart Installation Plan

Integrated Master Plan using GIS

power of **Solution**









USES TECHNOLOGY



Sensors

Open Data

Mobile

Cloud Computing

Big Data



Delivering GIS Content Using the Web GIS Pattern

Build web maps then configure apps to meet use pattern...







Installation & Range Management

The Arcolds Planteen for Hilbery Installations provides a configuration of Art253 Galine, which mimits the functions by of Art253 General end Poster for Arcolds, that can be used by geogetical professionals, committees, staff, and installation personnal to menege, analyze, and share geospecial Information, including Integeneral Posterial Information.

Location Platform for Installations

ArcGIS Enterprise - Portal

Explore our content

What Changed? Internet of Things

= Sensors



Wouldn't/Couldn't do that 3 years ago...

AC / Heating

Smoke Alarm

Sprinkler



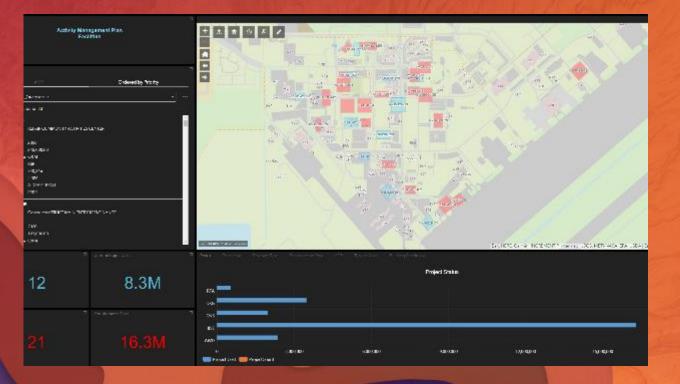
Alarm

Door Bell

Light Switch

Shared Pattern + Map





Reporting Dashboards

Web App Builder

How do you become a SMART INSTALLATION?

Problems to Solve
 Willingness to Start
 Understanding
 Where to Begin

Every Installation can be a SMART INSTALLATION?

IN JUST





Track assets with Accuracy



1

USE a World-CLASS GIS PLATFORM

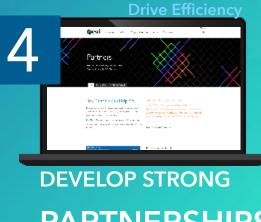


Castal Orașe

Control Operations



DELIVER REAL SOLUTIONS



PARTNERSHIPS

FINDING SOLUTIONS

PRODUCTIVE EFFICIENT TRANSPARENT COLLABORATIVE

Show 2017 Integrated Plan



Planning and Operations

Jim Bauer

Esri Smart Workplace

Workplace Technology for Planning and Operations

Interior Space Planning



Harvard

Installation Planning



Space Management & Security



IoT Sensors



Dubai Design District



Seoul, Korea

Facilities Management



State of Hawaii

Evacuation Planning



California

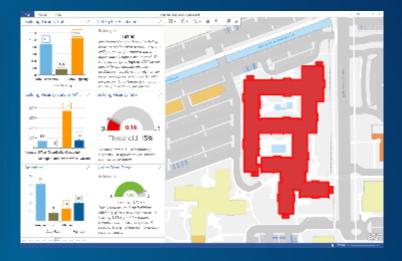
Space Management



Locator, Viewer, Collector, Space Dashboards







Improve Space Optimization and Reduce OPEX for Related Workplace Services

....Save Costs Through Strategic Management + Increase Occupant Productivity

Asset Management

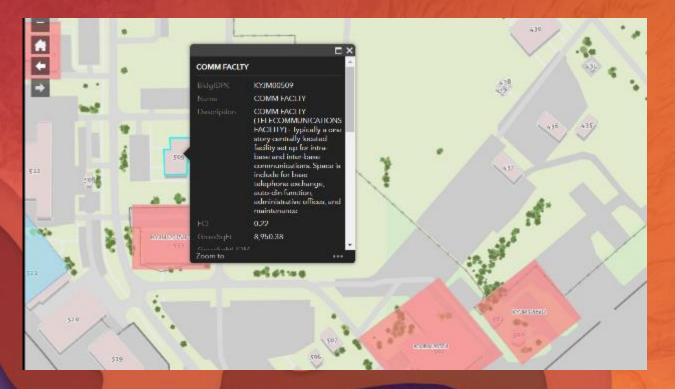


Locator, Viewer, Collector, Facility Dashboards



Reduce OPEX for Energy and Maintenance

....Save Costs Through Strategic Management



Visualize your Entire Portfolio

Jim Bauer

A Smart Installation Enables?





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Smart Installation Management Supports Operational Readiness and Efficiency

 Comply with Government Regulations and Directives

Efficient and Resilaint

Respond to Emergency

• Transparency and Accountability



Energy Efficiency



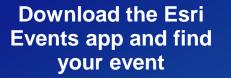
Security and Resiliency





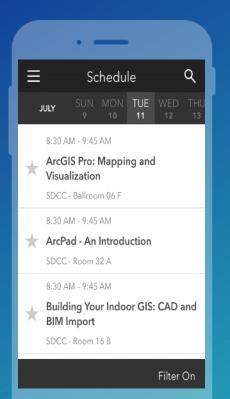
66 Effectively managing an installations requires effective collaboration across departments and levels of command

Please Take Our Survey on the Esri Events App!

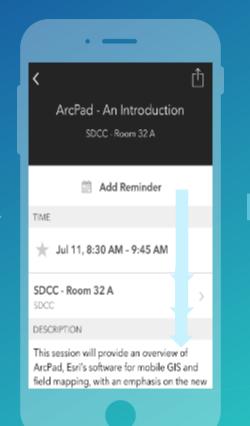




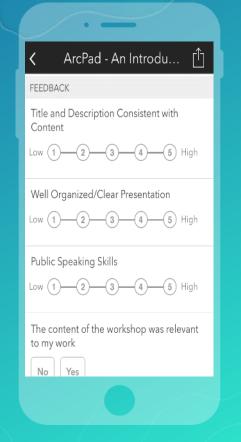
Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"





Aspect Ratio Test

If this shape does not appear as a perfect circle, adjust the aspect ratio of your display until it does.

Try the resolution 1920x1080 for 16:9 displays.