Managing Defense Facilities Using ArcGIS

Andrew King & David Yarnell from Innovate! Inc.
Agenda

- CAD to GIS
- Understand & Learn Your CAD
- Space Utilization Dashboard
- Building Interiors
- Design Campus Maps and Scenes
- Indoor GIS
  - David Yarnell from Innovate! Inc.
CAD to GIS

- Drag and Drop
- Configure CAD
  - Define Projection
  - Georeference
  - Horizontal / Vertical Coordinate Systems
- Convert to GIS
  - CAD to Geodatabase Tool
Understand & Learn Your CAD

- CAD Standards
- Quality of CAD Data
  - Linework
  - Polygon?
- CAD Schema
  - Layer Names
  - Outdoor Features
  - Open / Closed Doors
  - Labels
- Multiple Floors?
Space Utilization
Operations Dashboard for ArcGIS
Building Interiors

- **Attribution**
  - Elevation
  - Vertical Order (Floor Level)
  - Security/Access Restrictions

- **Data Layers**
  - Interior Spaces
  - Walls (Including Doors)
  - Floor Footprint
  - Building Footprint
Design Campus Maps and Scenes

- Symbolize Walls & Doors
- Symbolize Interior Rooms
- Build Room Points
- Building Façade (Textures)
- Create a Campus Network
People, Spaces, & Assets

David Yarnell
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<table>
<thead>
<tr>
<th>WORKSHOP</th>
<th>LOCATION</th>
<th>TIME FRAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Establishing Your Facility Basemap</td>
<td>• Demo Theatre 17</td>
<td>• 11:15 – 12:00</td>
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Stop by the Smart Installations Kiosk (Esri Showcase - Defense & Intelligence Section- Hall B1)