BIM and GIS an Introduction

Don Kuehne
Esri Product Manager: CAD/BIM/AEC
Esri BIM Roadmap
Design
Build
Manage
Plan

GIS

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Design
Build
Manage
Plan
BIM and GIS workflows are continuously needed within Infrastructure Life Cycles.
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GIS Informs BIM
BIM Fuels GIS
GIS is 3D
3D Objects
BIM to 3D GIS Workflow via IFC
Integration Patterns
GIS Services in AEC
Information Flow Patterns
Autodesk Infraworks...
Operations Dashboard

Collect and Update Data in the Field

Put mapping in the hands of your field staff to improve the accuracy and timeliness of your spatial data and make more timely and informed decisions.

How It’s Used

From damage reports and service requests to inventory and inspection of asset data, create and enrich accurate data in the field.
Read Revit Files
Features or Visualization
Adding CAD Data in ArcGIS Pro

• CAD Reader
Adding CAD Data in ArcGIS Pro

- CAD Reader

**Default Behavior**

- POINTS
- POLYLINES
- POLYGONS
- ANNOTATION
- MULTIPATCH

**Direct Read Map Layers**

- ROOMS (MSC)
- WALLS (MSC)
Adding REVIT Data in ArcGIS Pro
Adding REVIT Data in ArcGIS Pro

REVIT File

Default Behavior

Direct Read
Map Layers

- WALLS
- ROOFS
- WINDOWS
- DOORS
- FLOORS
- <CATAGORIES>
- ...

REVIT Reader
Civil / Infrastructure BIM
Scene Layers & BIM