Enabling Digital Innovation & Delivery

GIS in AEC
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What if... we could break down the traditional barriers in engineering projects that stovepipe projects, slow down progress and generally provide negative value to projects?
OUR AGENDA

01 Trends in AEC
02 Esri and Autodesk Alliance
03 Building E Demonstration
GIS and AEC
Trends and Directions
No. 1 GIS / AEC Priority Request...

Interoperability
AEC is an evolving sector!

**Digital** is disrupting how we think and deliver to our customers.

Esri is sharpening its focus on the AEC sector's unique requirements to provide customer-centric, project-based solutions.
The Value of BIM in Construction

- Construction Documentation
- Scheduling
- Costs
- Safety
- Visualization
- Coordination
The Georelational Modeling ...
GIS is 3D
CAD
Unstructured vs Structured...
EXPORT TO CAD
Create and Append to CAD Files

ArcGIS data in AutoCAD files (MSC)
- Feature Classes
- Attributes
- Coordinate System
- Better than Shapefiles...
Adding CAD Data in ArcGIS Pro

CAD Reader
Adding REVIT Data in ArcGIS Pro
BIM and Building Layers GIS
Directly Reading CAD/BIM/AEC in ArcGIS Pro...
BIM in Geoprocessing...

BIM and ArcGIS
Adding CAD Data in ArcGIS Pro
AEC Integration Patterns....
ArcGIS for AutoCAD
AutoCAD Civil 3D, Infraworks
GeoEnabled Systems = [Smart Assets + Project Delivery]
Utility Network
Parcel Fabric

System of Land Records

Tax Assessment, Transportation, ROW, Subsurface, Agriculture...

Legal AND Physical World

Historic Parcels and Parcel Lineage

A comprehensive framework for managing, editing, and sharing parcel data
Integrating Location and Design Workflows
Driving Business with Smarter Decisions
Project Scenario

- New Office Building
- Site Selection
- Existing Conditions
- Imagery
- Field Validation \ Tracking
- Design Changes
DEMO: Site Selection \ Living Atlas
DEMO:
Editing GIS in Civil3D
DEMO: GeoBIM Concept
Getting Help
Esri Services

Ready To Help You Successfully Leverage The ArcGIS Platform For Your Organization

Tech Support Analyst

Software Maintenance
Latest software and technical support

Technical Advisor
Esri Enterprise Advantage Program
Reach your GIS vision

Premium Support
Prioritized incident management

Premium Support Analyst

Training
Training Consultant
Enabling the workforce

Project Manager
Projects
Transforming business

Technical Consultant
Contact

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