Introducing ArcGIS GeoBIM

Anthony Renteria | Product Manager

Andy Creek | Sr. Solution Engineer

Esri Infrastructure Management &
GIS Conference

Safe Harbor Statement

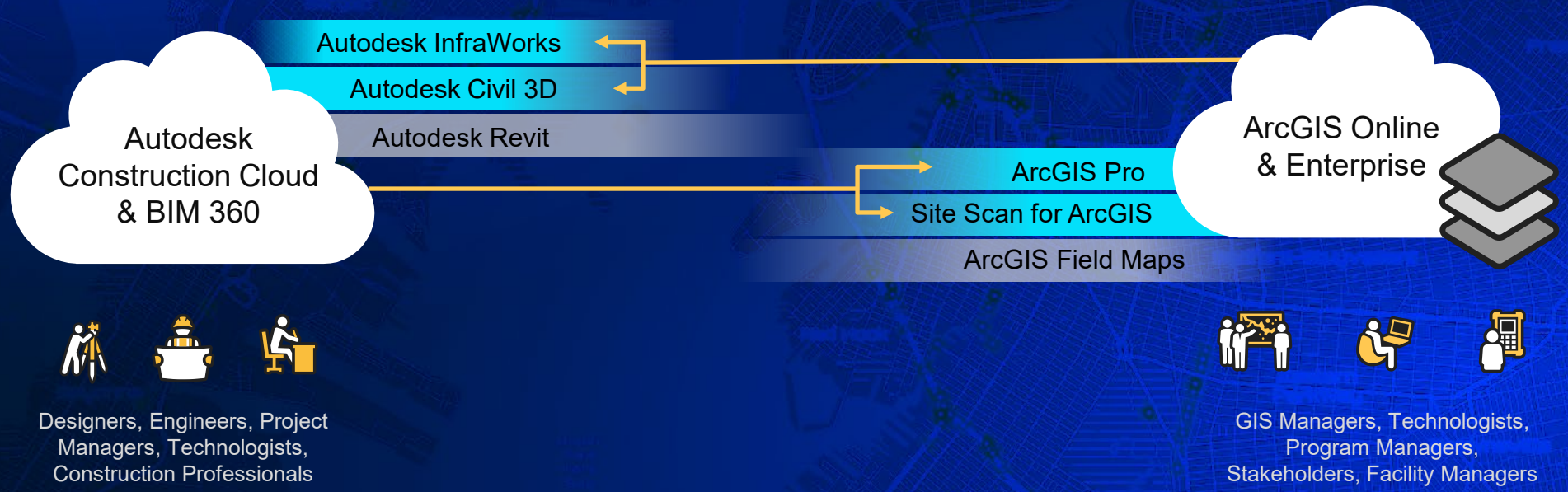
This presentation includes forward-looking roadmap and schedule information that may include dates, release numbers, or scope that could change without notice. Customers and partners are advised not to make business or purchasing decisions based on such forward-looking statements.

ArcGIS GeoBIM

Connect geospatial with design & construction records

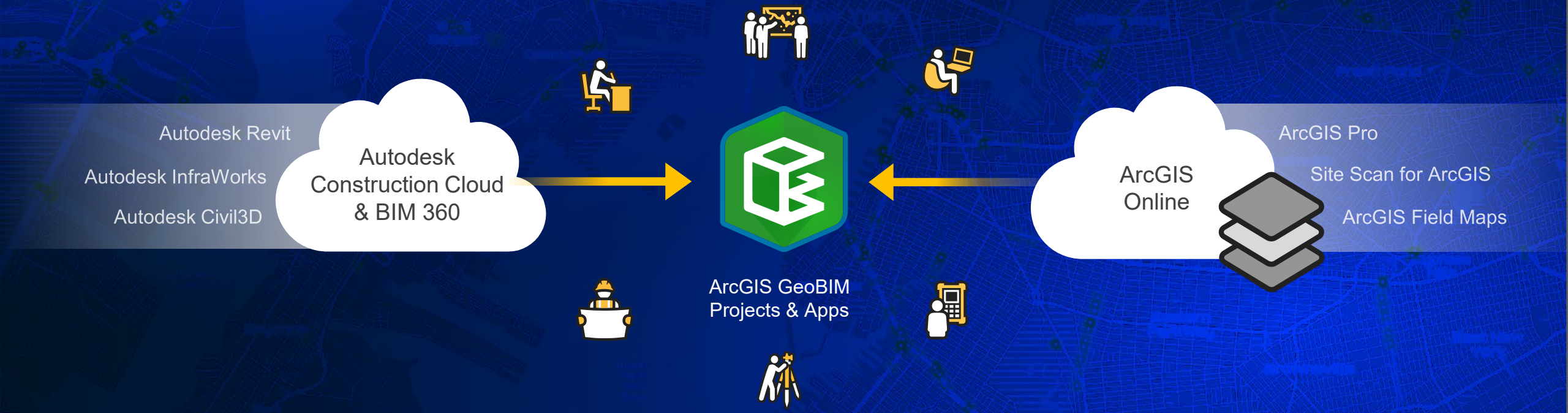
Integrating BIM, CAD, and GIS

Through Autodesk & Esri

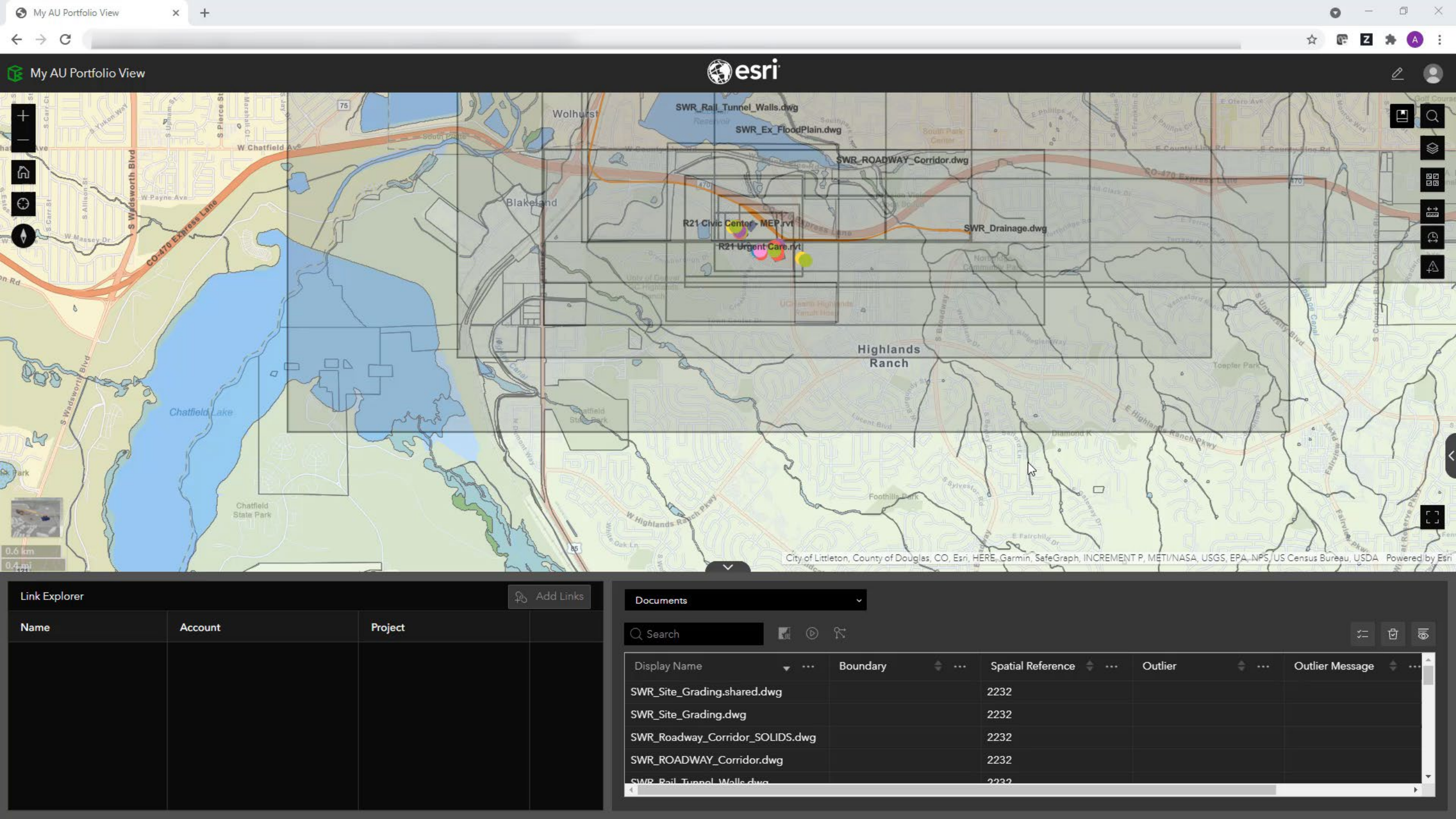


ArcGIS GeoBIM

Connected Data Environment



…Enabling *Informed Decision Making* throughout Project Delivery & Operations


My AU Portfolio View
esri
SWR_Rail_Tunnel_Walls.dwg
SWR_Ex_FloodPlain.dwg
SWR_ROADWAY_Corridor.dwg
R21 Civic Center - MEP.rvt
R21 Urgent Care.rvt
SWR_Drainage.dwg
Wolhurst
Blakeland
Highlands Ranch
Chatfield Lake
Chatfield State Park
W Chatfield Ave
S Wadsworth Blvd
CO-470 Express Lane
W Highlands Ranch Pkwy
City of Littleton, County of Douglas, CO, Esri, HERE, Garmin, SafeGraph, INCREMENT P, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA
Powered by Esri
Link Explorer
Add Links
Name
Account
Project
Documents
Search
Display Name
Boundary
Spatial Reference
Outlier
Outlier Message
SWR_Site_Grading.shared.dwg
2232
SWR_Site_Grading.dwg
2232
SWR_Roadway_Corridor_SOLIDS.dwg
2232
SWR_ROADWAY_Corridor.dwg
2232

ArcGIS GeoBIM

Connected Projects in Context

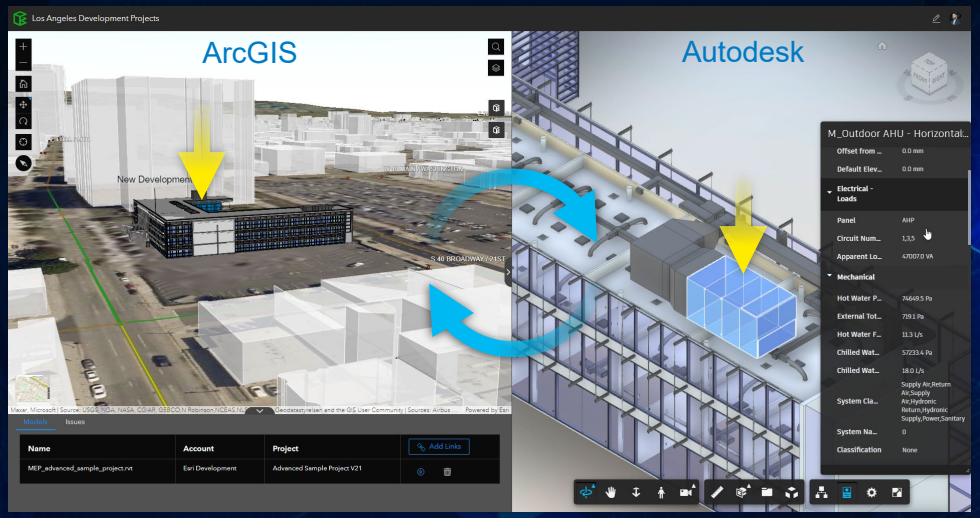
ArcGIS Online

Autodesk Construction Cloud & BIM 360

GeoBIM Projects

Linking ArcGIS Features to Autodesk Records

Supporting Integrated Visualization & Query

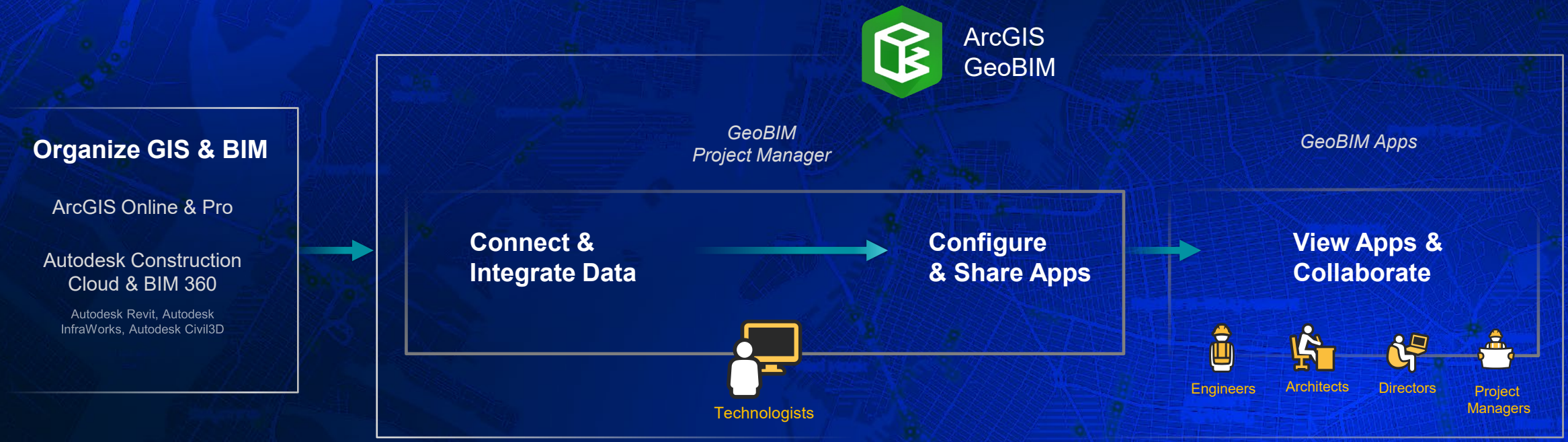


GeoBIM Apps

ArcGIS GeoBIM

Configure GeoBIM Projects & Apps

Workflow Overview



ArcGIS GeoBIM Projects & Apps

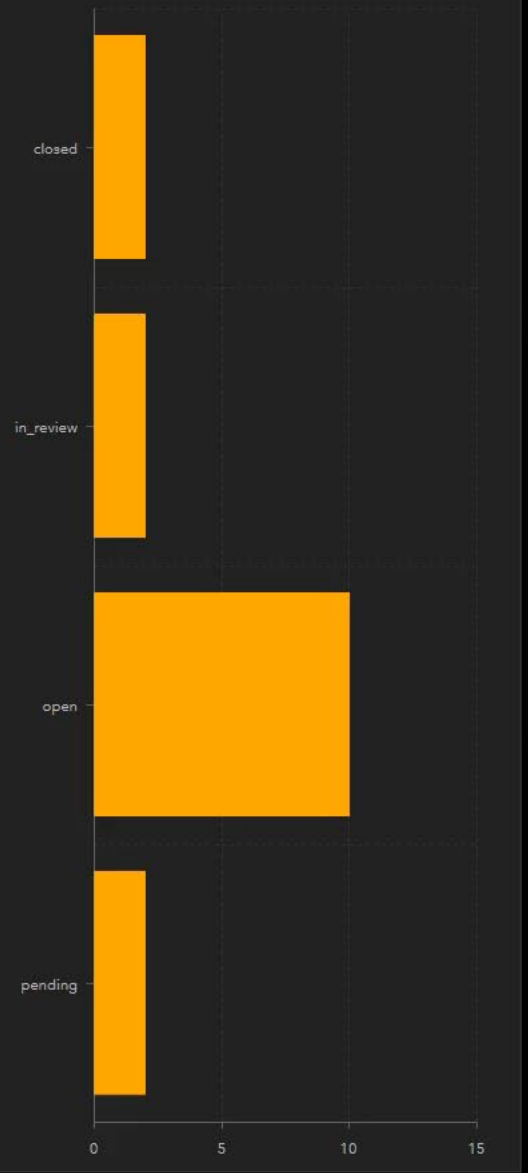
Demonstration

HR Light Rail Project Dashboard

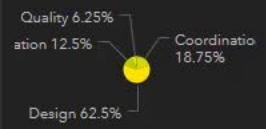
arcaec.maps.arcgis.com/apps/geobim/index.html?id=0e6f9097fe1d4349b80e05325ec0d430

HR Light Rail Project Dashboard

Issue Status

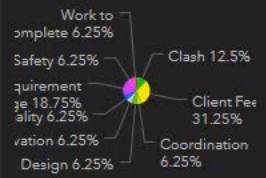


Issue Type



Last update: a minute ago

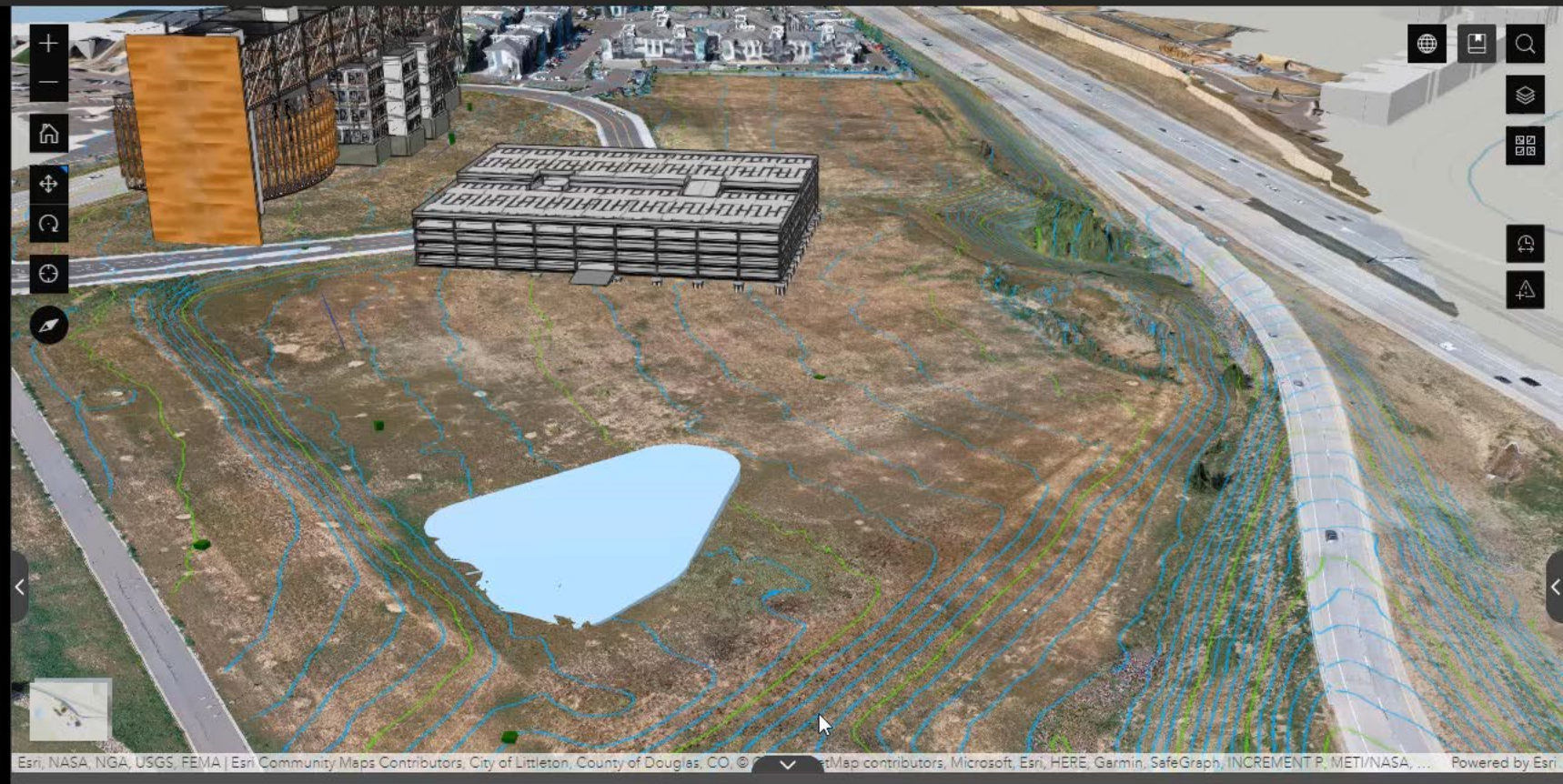
Issue Sub-Type



Last update: a minute ago

Issue Owner

Last update: a minute ago



Link Explorer

Add Links

Name	Account	Project

Documents

Search

Display Name	Boundary	Spatial Reference	Outlier
R21 Civic Center - Arch.rvt		4326	True
R21 Civic Center - MEP.rvt		4326	False
R21 Civic Center - Struct.rvt		4326	False
R21 Urgent Care.rvt		4326	False
R21 Civic Center - MEP.rvt		4326	False

ArcGIS GeoBIM

Get started connecting your data

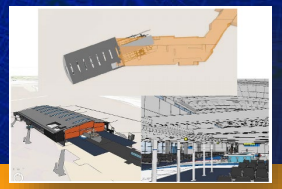
ArcGIS GeoBIM

Licensing Overview

	Explore	Configure
ArcGIS Online	 Any ArcGIS Named User + GeoBIM User Type Extension	 Creator or GIS Professional + GeoBIM User Type Extension
Autodesk Construction Cloud or BIM 360	Any Autodesk Named User	

Product Vision

Comprehensive/Master Planning for multiple construction sites



IoT Monitoring Dashboard

Energy Consumption Modeling

Infrastructure Delivery with Project Controls Indicators

Many Projects/Assets

Campus Security & Rental Space Viewer

Project portfolio dashboard

Project Delivery Portfolio

Smart City & Assets Portfolio

City Design Review and Stakeholder Engagement

AEC Firms

2021 Release

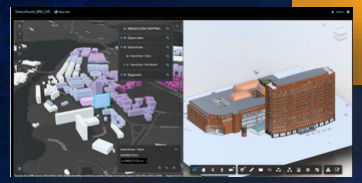
Owner/Operators EPC Firms

5D (Time & Cost) Construction Planning

Facility Management Integration

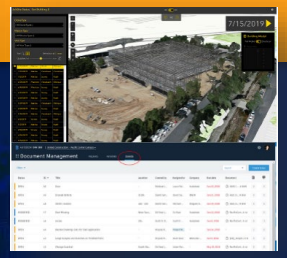
Commissioning & Handover

Design Coordination Tracking

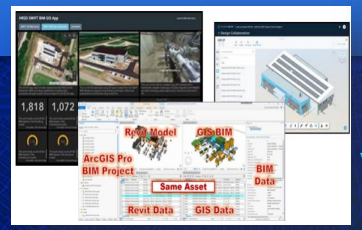


Project Delivery Management

Asset Inspection and Management



Construction Progress with Issue Entry and Management

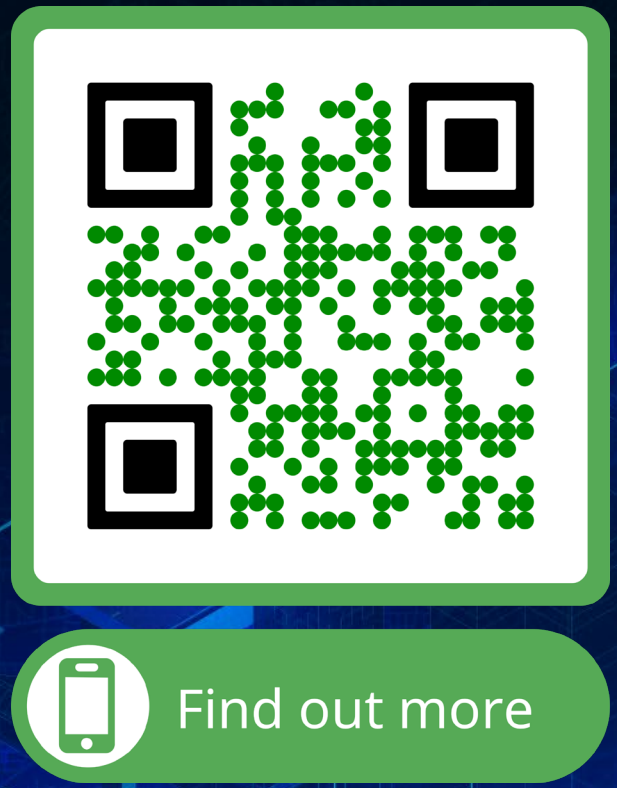


Virtual Inspection Dashboard with Reality Capture

Few Projects/Assets

Resources

- IMGIS - Erika Bocian, Andy Creek, Anthony Renteria
- Overview StoryMap
  - go.esri.com/geobim-aec
- GIS & BIM Learning Path
  - go.esri.com/geobim-learn-more
- ArcGIS GeoBIM Project Creation
  - go.esri.com/geobim-getting-started
- ArcGIS GeoBIM Joint Offer Overview
  - go.esri.com/geobim-imgis2021



Copyright © 2021 Esri. All rights reserved.