Enabling Digital Collaboration

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What if... you could more effectively collaborate with your internal teams and external stakeholders (or clients) to create high value, client focused, project outcomes that helped differentiate your AEC in the market?
OUR AGENDA

01 ArcGIS Platform Introduction
02 Internal Collaboration
03 External Collaboration
Supporting Smart Communities and Building the Assets of the Future

Our Focus
ArcGIS supports AEC Firms

- Project Life Cycle Support
- Improved Workflows
- Better Collaboration
- Strategic Partnerships
ArcGIS Platform
Differing Roles of Platform

**System of Record**
Data Management and Integration

**System of Engagement**
Sharing, Collaboration, and Dissemination

**System of Insight**
Analytics, Models, and Data Exploration
The ArcGIS Platform

**Big Data GeoAnalytics**
Analyze your historic spatial and non-spatial data

**Developers**
Integrate, customize, and extend the core system

**Desktop**
Professional GIS users develop, manage and create information products used throughout the organization

**Imagery**
Visualize, Manage and Analyze Imagery from every source

**System of Engagement**
Maps and apps for everyone on any device, anywhere, anytime.

**Real-time Tracking**
Capture, analyze, and alerting of device readings for fixed and mobile assets

**System of Insights**
Interactive exploration and analysis of spatial, tabular, and unstructured data

**Field Mobility**
Inspect, Inventory, Survey and Report on all aspects of your business

**System of Record**
Establish the Esri platform as the core repository for all spatial data

**Imagery**
Visualize, Manage and Analyze Imagery from every source
ArcGIS – An Integrated Web GIS Platform
Making Mapping And Location Aware Apps Available Across Your Organization
What makes Web GIS so Compelling?
Helping Everyone Do Their Work Better

Leveraging Web Services

Communities
- Organizations
- Departments
- Teams
- Individuals

Sharing and Collaboration

Interconnected Information, Processes, and Workflows...
All Happening at the Same Time

Engaging Everyone

Distributed... and Interconnected
Flexibility

Deploy ArcGIS On-Premises, In Public Clouds (PaaS), And/Or Use Esri’s Cloud (SaaS)
A Complete Enterprise Platform for AEC Firms

Vision - How GIS Supports AEC Organizations

Doing Work
- Planning
- Industry Specific Apps
- Asset Inventory & Inspection
- CAD Integration
- Project Status & Analytics
- Project Delivery

Winning Work
- Marketing Materials
- Project References
- Stunning Visualizations

Running The Business
- Geographic Content Management
- Office Revenue
Collaborate Internally
Collaborating Internally
Getting Maximum Value out of Content
Collaborate Externally
Challenges in communicating with customers

- Licensing costs and security
- Deliverable format
- Inefficient approval process
- Customers expect more
Project Collaboration

Deliver GIS Services to your Customers

Application Service Provider (ASP)

Multi-Tenancy

Desktop

Apps

APIs

AEC
Project Delivery
What is a Project Delivery Subscription

ArcGIS Online with a different licensing model

Includes 2 creators

No Multi-tenant agreement required
Project Delivery Subscription | Enterprise

Production Systems

- ArcGIS Enterprise 1
- ArcGIS Enterprise 2

Proxy

- Desktop
- Apps
- APIs

Client Offerings

- Project Delivery Subscription(s)
  - Acme Oil & Gas
  - Chicago Pipeline Project
  - Mega Rail Project
  - City of Pawnee
Project Delivery System

ArcGIS Supports Project Collaboration

- Deliver Focused Apps to customers
- Integrates with your Web GIS
- Supports you to scale and grow your GIS
- Use Project Budgets not CapEx
- Automating decreases your overhead and time to deploy
Collaborating Externally

Set up a Project Delivery Organization
Project Delivery System
3 Steps of a Mature Project Delivery System

1. Implement an Enterprise GIS
2. Deploy an AEC Project Delivery Subscription
3. Create Templates and automation Scripts
Step 1: Implement an Enterprise GIS
Integrates with your current GIS

- Architecture that supports your business in the cloud or on premises
- Enhances and integrates with your current GIS workflows
- Provides your entire staff with a single source of truth both in the office and in the field
Step 1: Implement an Enterprise GIS

Integrates with your current GIS

- Architecture that supports your business in the cloud or on premises
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Step 2: AEC Project Delivery Subscription

Project Delivery Subscription

- Deliver affordable and easy-to-use GIS Solutions
- Provides transparency, building trust with your customer
- Ensure security by isolating environments and deploying named users
Step 3: Automate the Deployment
Scale by Automating (optional)

• Decrease the overhead GIS by templatizing your offerings
• Leverage automation tools to deploy new environments
• Supports you to scale and grow your GIS
• Use Project Budgets not CapEX
• Integrates with your WebGIS
• Deliver Focused Apps to customers
• Automating decreases your overhead and time to deploy
• Increases maturity around security
Connect with Purpose
Every Community wants to be…
Aspirations get translated into actionable, real-world Initiatives

- Safe
- Well Run
- Livable
- Healthy
- Prosperous
- Sustainable

Aspirations

Initiatives

- Implement Performance Management
- Reduce Traffic Congestion
- Create More Affordable Housing
- Reduce Homelessness
- Increase Recreation Opportunities
- Improve Water Conservation
- Make Parking Easier
- Create Job Availability
- Improve Emergency Response Times
- Use Less Energy
- Encourage Startups
- Improve Earthquake Preparedness
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Improve Earthquake Preparedness

Initiatives Translate to Projects for AECs

AEC Projects
Project Delivery + Hub (Basic)

ArcGIS Online from Acme Engineering

Client & Stakeholder Offerings

Project Delivery Subscriptions

Hub Basic

Pages
Project Delivery + Hub (Basic and Premium)
Project Delivery + Hub Premium (example)

Client & Stakeholder Offerings

- ABC Utility Company
  - Service Contract
  - 100 Users

- Mega Oil Company
  - Service Contract
  - 100 Users

Hub Premium

- Initiative 1
  - Tower Inspections
  - 50 Users

- Initiative 2
  - Excess Property
  - 50 Users

- Initiative 1
  - SPCC Development
  - 25 Users

- Initiative 2
  - Bridge Crossing
  - 75 Users
ArcGIS Hub for Project Delivery

Connecting with a Purpose
The L.A. GeoHub Ecosystem

Initiative Pages
Focused Collaboration
Rally

Stakeholder Engagement Experience
Hub Site -- Maps, Data, Apps & Initiatives
Engage
The Public

Internal Collaboration Workspace
Find, Use, Create, and Collaborate
Share & Collaborate
City Employees

GIS Infrastructure
Hosted Services
Departmental Servers or ArcGIS Online
Serve & Power
Bureau of Eng. Bureau of Street Services LA County

Information & Engagement Products
“Open Data with a purpose”
Create & Innovate

App Challenge, Coming Soon

Apps & Maps
Curated Policy Map Gallery
Data-Driven Initiatives… Bridging the Gap
ArcGIS Hub is an easy-to-configure cloud platform that organizes people, data, and engagement tools to accomplish Initiative goals.
Hub sites start the engagement journey... over 2400 organizations
Great Resources

Introduction to ArcGIS Hub
Brenda Wolfe, Alan Cassidy

http://bit.ly/2JAh11i

Esri Best Practices: Implementing ArcGIS Hub
Nick Giordano
Eric Apple

Story Approach
Story Map - Winning Work (GHD)

- Massive Roadway Project
- Complicated Project
- Need to Visualize Design
- Communicate Benefits
- Discuss Impacts
- Need to Sell the Approach
Explore North East Link

Melbourne's North East Link will connect an upgraded Eastern Freeway to the M80 Ring Road, slashing travel times, taking trucks off local roads and linking key growth areas in the north and south-east.

This map is an early concept for North East Link. It is not exact or to scale. From here we'll keep refining the project design. Images are artists impressions only and are not detailed or final designs.

How to use this map
- Use the dots and arrows on the right of this panel to take the whole North East Link journey.
- Click number on the map for quick pop-up info.
Communicating a Message - Story Maps

Informing the Public
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

Premium Support
Prioritized incident management

Training
Training Consultant
Enabling the workforce

Technical Advisor
Esri Enterprise Advantage Program
Reach your GIS vision

Technical Consultant

Projects
Project Manager
Transforming business

Premium Support Analyst