

Building Smart Communities with ArcGIS

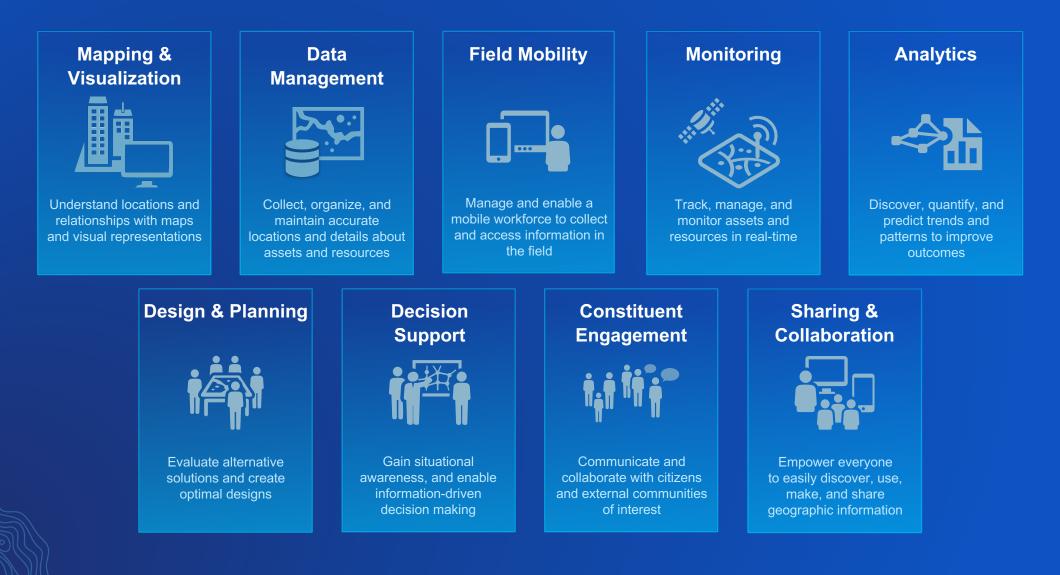
Michele Lundeen, Esri Solution Engineer - Local Government





what was complicated and inaccessible is now easy and accessible

GIS | Common Patterns of Use



_

GIS Pattern Matrix | Example City

 Expressed Need Partial Use Near Complete Use 	Mapping & Visualization	Data Management	Field Mobility	Monitoring	Analytics	Design & Planning	Decision Support	Constituent Engagement	Sharing & Collaboration
City Administration Executives	•			•	•	•	•	•	•
Human Services			\bigcirc		\bullet			\bullet	\bullet
Code Compliance									
Zoning									
Resilience									
Public Works						•			
Fire Department	<u> </u>					•	<u> </u>		
Parks	\bullet		ightarrow	\bullet	\bullet	\bullet	\bullet	\bullet	
Buildings	•		ightarrow			\bullet		\bullet	
Planning	•	•	•			•			\mathbf{O}
Community & Economic Development	•	•			•				•
+ Police Department									
Capital Improvements									•

GIS Pattern Matrix | Example City

 Expressed Need Partial Use Near Complete Use 	Mapping & Visualization	Data Management	Field Mobility	Monitoring	Analytics	Design & Planning	Decision Support	Constituent Engagement	Sharing & Collaboration
City Administration Executives	•			•	•	•	\bullet	•	•
Human Services	\bullet	\bullet			•			\bigcirc	•
Code Compliance									
Zoning									
Resilience									
Public Works		•	•			•			
Fire Department			-			<u> </u>			
Parks	\bullet			\bullet				\bullet	
Buildings		•							
Planning	•	<u> </u>	<u> </u>			<u> </u>	<u> </u>	0	<u> </u>
Community & Economic Development	•	•			•	•			•
Police Department									
Capital Improvements	•	•							•

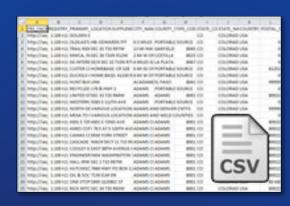


A few tips regarding Web GIS...

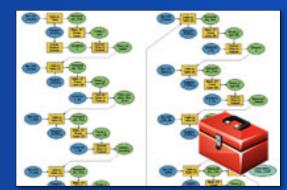


Make it easy to find data

- ArcGIS services
- Shapefiles, spreadsheets
- Business system data
- Publish new hosted layers as needed



cGIS Transforming Your Organiz	cation	
2012 Seminar Series		
Dath 1 - Sult Service Wagning, Talending True Result for any drug an equilibrium of the angle is not a stage of a setting of the setting of the setting of the setting of the setting of the setting of the setting of the setting of the setting of the setting of the setting of the setting of the setting of the setting of the setting of the setting of the angle setting of the set the setting of th	Investing chart must approximate approxi- and on the boot that there is an extension of the boot to be the sector of the boot the the advance of the boot to construct the boot to construct the boot the advance of the boot the boot the boot the advance of the boot the advance of the boot the boot the boot the boot the boot the boot the boot the boot the boot the boot the boot the boot	
your the difference with another The sites is interested species: the sites is interested species: the sites is and a comparison of the site of the site site of the sites is and a comparison of the site of the site of the site sites with a site of the site site of the site of the site of the site of the site of the site of the site of the site	of the frage bitset independent bitset and the face face damage in turb the mere groups face data bitset and range a bitset a bitset a bitset a bitset a bitset a bitset a	W





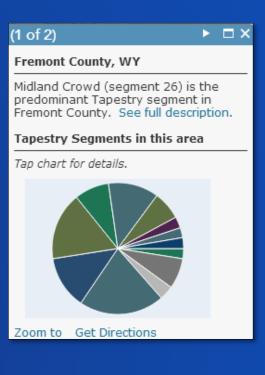
Registering your ArcGIS services

×

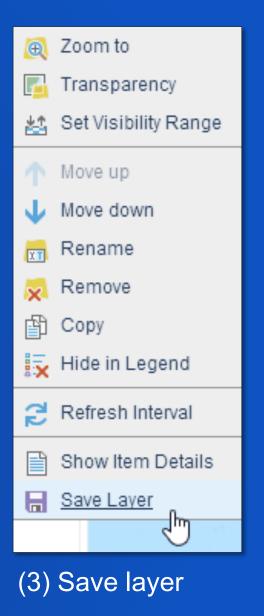
Add Ite	m							
Add an item from your computer or reference an item on the Web.								
The item is:	On the web 👻							
	 ArcGIS Server web service OGC (WMS) KML Document 							
URL:	http://services.arcgisonline.com/arcgis/rest/services/Demographics/US/ Supported Items							
Title:	USA 1990-2000 Population_Change							
Tags:	United States × 2010 × population × demographics × Add tag(s)							
	ADD ITEM CANCEL							

(1) Add service

+



(2) Configure



S

Optimize services for use

- Airport Areas
- Heliports
- Bicycle Lanes
- Bike Trails
- Bike Share Locations
- Signed Bike Routes
- Bridge Points
- Bridge Polygons
- Bridge and Tunnel Entrances
- Alley Maintenance
- Budgeted Construction Point
- Budgeted Construction Line
- Completed Construction Point
- CCTV Street Cameras
- 🖉 🛛 Park Furniture

+



╺╻┫╻╸

Heliports

Bicycle Lanes

- Bike Trails
- Bike Share Locations
- Signed Bike Routes

- Bridge Points
- Bridge Polygons
- Bridge and Tunnel Entrances

Make it easy to find locations

Locator view settings

In ArcGIS Online, you can create a new view of ArcGIS World Geocoding Service to search only for specific types of locations within an area of interest. Once the locator view is created, you must configure it in the **Locator (view) Settings** section of the **Settings** tab. If you share it with your organization or with the public, an administrator can then make your locator view available for members to use in geosearches and batch geocoding.



Authoritative content badge

- Verify your organization via Esri customer service
- Public content marked authoritative will get badge
- Publicly searchable via Status

	AA	County_Forecast_Data_FC Table by <u>lowa Department of Transportation</u>	
✓ Status		2018-06-28 12:36:47 Visit organization Created: Sep 21, 2017 Updated: Jun 28, 2018 View Count: 92,666	
 <u>Authoritative</u> Deprecated 		⊘ Authoritative	Ð



Field Operations Location-enable all phases of field work



Enhance workflows by pairing apps

Collect and Monitor



Third Party Integrations





Maps + Forms



Forms + Maps

Prepare - Field

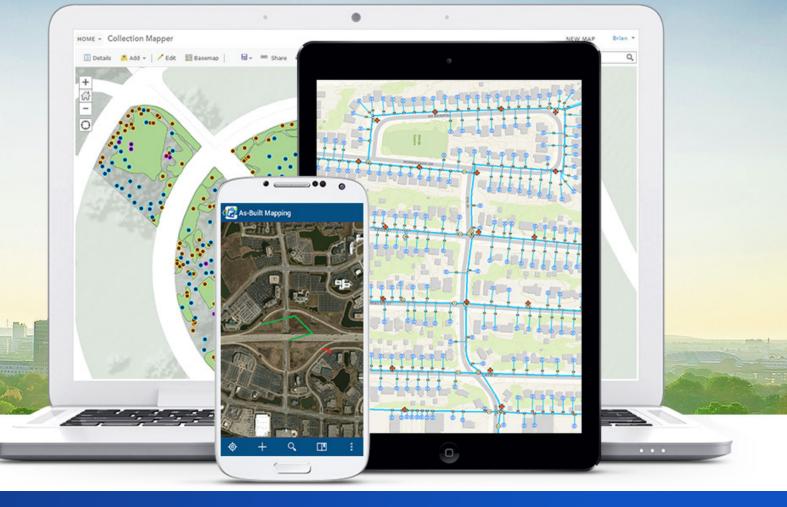




ArcGIS Solutions

Free industry-specific configurations for ArcGIS

FIND YOURS ↓



Community

ArcGIS Solutions

Connect with your peers, Esri Partners, and the teams at Esri dedicated to helping you increase the value of GIS in your organization.



Local Government



Join our Meetup community



State Government



Join our Meetup community

Seri Support

If you need help implementing one of the solution maps or apps in your organization, contact Esri Technical Support via live chat, phone, or email.

Esri Technical Support

Professional Services

Esri Professional Services can help you quickly configure and deploy solution offerings and the ArcGIS Platform necessary to support the solutions.

Esri Professional Services Rent a Tech Services Project Services



esr

Gallery

Local Government Search Solutions Gallery Q

Reset

Show Me

All

Industries

Local Government

- State Government
- ▶ Electric
- Gas
- ▶ Water
- ▶ Telecommunications
- Emergency Management
- Defense
- Business
- Intelligence

Products/Applications

- ArcGIS Desktop
- ArcGIS Runtime
- Collector for ArcGIS
- Esri Maps for Office
- GeoEvent Server

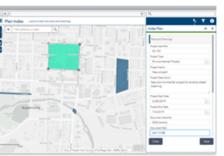
1 /1

Operations Dashboard for ArcGIS



Target Hazard Analysis

Local Government



Plans and Drawings Local Government



Road Maintenance Agreements

Local Government

Join Ras Fact Tarra Dris Ras arear Shat atothetic o

Daribes Coar

Over 100

Incentive Zones

Local Government



Cuar

Election Management Local Government

Road Closures

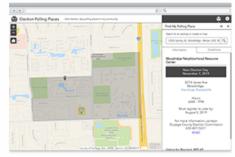
Local Government



🎯 esri'

Q SEARCH

Homeless Point-in-Time Counts Local Government



Election Outreach Local Government

Local Government: Improving local government operations and enhancing services provided to the public

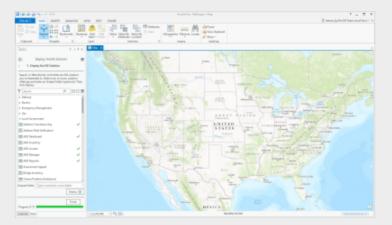
ArcGIS Solutions Deployment Tool

Home

Get Started

Overview

The ArcGIS Solutions Deployment Tool is an ArcGIS Pro Add-in that allows you to browse a catalog of ArcGIS Solutions and deploy them to an ArcGIS Online organization or Portal for ArcGIS. During deployment the tool will create the items, groups, feature layers, maps, and applications that make up the ArcGIS Solution. Once deployed, the solution can be configured to meet specific needs in your organization by modifying the items created during deployment. If required, existing data can then be loaded into the new feature layers deployed to your ArcGIS organization.



REQUIREMENTS WHAT YOU GET DOWNLOAD

WHAT'S NEW

Modernize Existing Solutions

- Incorporate new ArcGIS capabilities - Arcade, Tracker, IoT, etc.
- Complete information workflows
- Update layers and associated cartography
 - Well designed pop-ups w/ arcade
 - Feature layer views

New ArcGIS Pro data management solutions

 Address Data Management, Tax Parcel Editing, PLSS Data Management, Road Network Management, Flood Planning, etc.

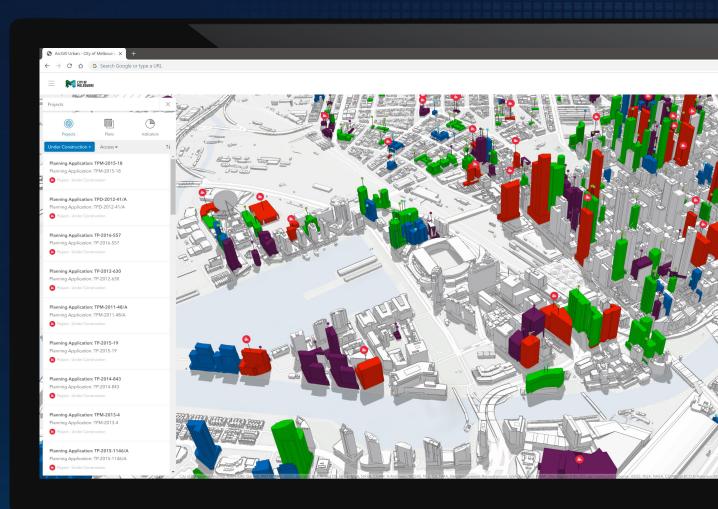
New Solution Offerings in these focus areas

- Land Records
- Conservation
- Natural Resources, Fish and Wildlife, Agriculture
- Public Safety
- Performance Management
- Public Works / Transportation
- Transit

Roadmap

- January 2020
 - New solutions (Address Data Management, Transit, Conservation, Road Network Management, Flood Impact Analysis)
 - Solution updates (Natural Resources, 3d Basemaps, Adopta, Emergency Management, etc.)
- March 2020
 - New solution (Special Event Permitting and Safety Operations)
 - Solution updates (TBD)
- June 2020
 - New solution site and enablement materials, ArcGIS Solutions Web App
 - Solution updates (TBD)

ArcGIS Urban







Visualize Projects Citywide

Visualize, track, and review development projects throughout their lifecycle.



Improve Planning Productivity

Streamline the creation and sharing of zoning and land use plans directly in the web browser, in 3D.



Increase Transparency and Understanding

Report on citywide performance indicators and disseminate trends to public and private stakeholders.



Better Engagement

Simplify community involvement to gain early buy-in.



Demo





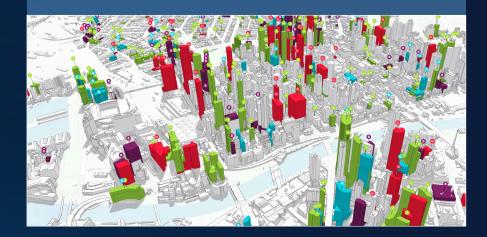
Getting Started

Let us know if you are interested in using ArcGIS Urban for your own work. We'd be happy to schedule time to discuss how you can get started.

ArcGIS Urban Launch Kit

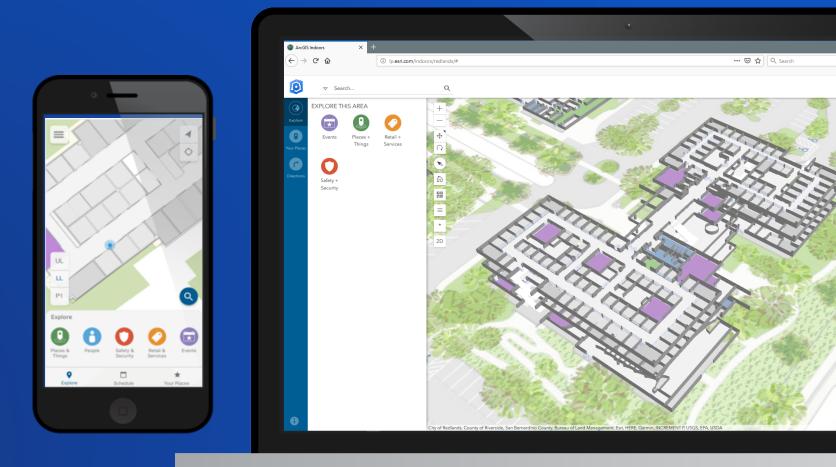
An ArcGIS Urban initial operating capability (IOC) deployed within your own ArcGIS environment.

- Kick-off and Data Preparation
- ArcGIS Urban Deployment
- Configuration of Example Scenarios
- Knowledge Transfer





- Easily find workplace information
- 2D & 3D maps and visualizations
- Accurate indoor positioning
- Sharing and collaboration





Indoors Information Model



Floor Plan Features

Routable Network

POIs

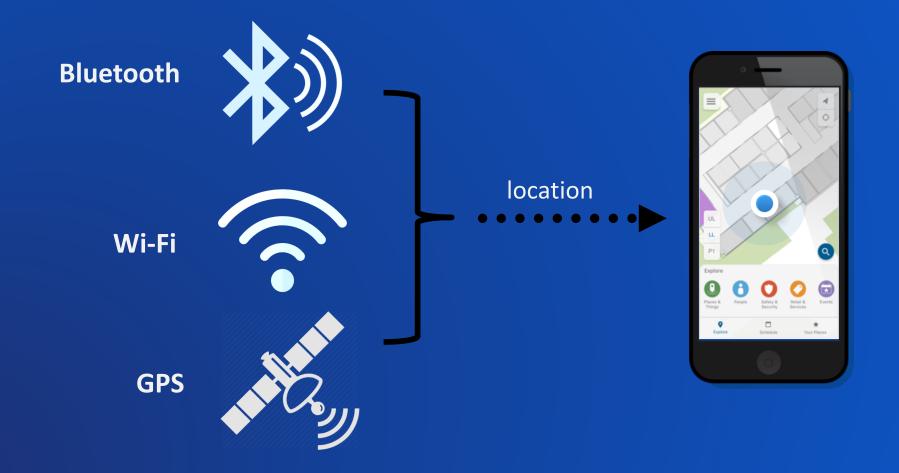
Events

Tracking Zones



...organizing your smart workplace information





...or use Indoors without positioning

ArcGIS Indoors Roadmap

- Operational System Integration
- Web & Mobile Editing
- Additional Indoor Positioning Systems
- Dashboarding
- Advanced Tools for Indoor Map Creation
- Indoor Positioning API
- BIM Floorplan Support
- Enhanced Routing, Visualization, and Printing







