Leveraging ArcGIS Solutions in your Organization

Lindsay Thomas
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Our Work
Creating Useful Technology and Supporting Our Users

ArcGIS
Cloud
Big Data
Quality
Enterprise Integration
Standards
Administration
Imagery

Spatial Analysis
Mapping
3D
Editing
Apps
Content
Solutions
Data Management
Security
Usability
Developers
Real-Time
Performance
Identity
Geodesign
Interoperability
GIS Has Evolved

Your GIS is an Interconnected Platform

Bringing Together Data, Technology, and People . . .
. . . Creating a Framework for Solving Complex Problems
Turning Point

ArcGIS Online

Mapping Without Limits

ArcGIS Online is a Complete, Cloud-Based Mapping Platform

ArcGIS Online mapping tools are powerful yet simple to use so everyone in your organization can make and share beautiful maps.

ArcGIS Solutions

ArcGIS Industry Specific Maps and Apps

ArcGIS Solutions deliver Ready-to-Use Maps and Apps to jumpstart your work.

Leverage hundreds of ready-to-use maps, apps, and platform configurations to meet your needs, delivering innovation and best practices for your organization.
ArcGIS Solutions | Focused Maps and Apps

450+ Solutions | 500,000+ Downloads
Configurable, Fully Supported, and Freely Available

Simplifying and Accelerating Deployment
ArcGIS Solutions

• Deliver maps and applications quickly throughout their organization
  • Roadmap for standard capabilities, improve service delivery, expand reach, innovation....

• Stay current with future releases / avoid legacy technology
  • Save time and money, leverage new ArcGIS offerings, focus on complex or unique problems....

• Unlock geospatial platform so it can be leveraged by many

• Leverage the collective knowledge of the entire community
  • Best practices, industry tradecraft....
Every city, county and state has similar aspirations

- Safe
- Well Run
- Livable & Sustainable
- A Tech Community
- Prosperous
Six Transformational Trends in Government

1. Demographics shifts are impacting the workforce
2. Need to replace legacy business systems
3. Standardization of business practices
4. Maps as a framework for communication and understanding
5. Challenges attracting and retaining talent
6. Rapid technology advances

- D.C. moves to replace its outdated tax payment system
- The ‘Silver Tsunami’ Has Arrived in Government
- The Billion Dollar Crisis in Outdated Government Technology
- World’s population increasingly urban with more than half living in urban areas
GIS in Government

Common Challenges

• Limited to one or a few departments
  • Strong in Public Works or Natural Resources...weak everywhere else

• Incomplete implementations
  • Do not leverage the full platform
  • Not integrated across broad spectrum of business systems

• Expansion challenged by resource constraints
  • Organizational structure, technical expertise, etc.
  • Responsive instead of proactive solution delivery

• Little use of sophisticated GIS capabilities
  • Spatial analysis, resource allocation, routing, performance measurement
ArcGIS Solutions for State and Local Government

Improving government operations and enhancing services provided to the public

- Collection of useful maps and apps
  - Configurable and extensible
  - Freely available and fully supported

- Community of users
  - Best Practices / Implementation Support

- Network of Esri Services and Partner offerings
  - Help users implement, sustain and enhance
### Elections
- Share Election Results
  - Early Voting
  - Election Polling Places
  - Polling Wait Times
  - Election Results
- Historical Election Results Gallery
- My Elected Representative

### Public Health
- Tackle Opioid Epidemic
  - Reduce Homelessness
    - Nabawe Deployment Reporter
    - Drug Activity Reporter
    - Drug Drop-off Locator
    - Drug Drop-off Calculator
    - Pain Management Locator
  - Orrice Response Dashboard
  - Reduce Homelessness
    - Homeless Point-in-Time Counts
    - Homeless Service Locator
    - Homeless Activity Reporter
- Organize Foundational Data
- Perform Crime Analysis
- Develop Tactical Plans
- Inform the Public
  - Near Repeat Analysis
  - Tactical Operation Planner
  - Tactical Operation Dashboard
  - Tactical Operation Surveillance

### Fire Service
- Improve Fire Operations
- Develop Pre-Incident Plans
- Increase Fire Prevention
- Respond to Emergencies
  - AED Locator
  - AED Inventory
  - Target Hazard Analysis
  - Pre-Incident Plan Coordinator
  - Pre-Incident Plan Field Inventory
  - Pre-Incident Plan Dashboard
  - Pre-Incident Plan Locator
- Increase Fire Prevention
  - Fire Safety Survey
  - Emergency Assistance
  - Warming/Cooling Center Locator
  - Warming/Cooling Center Reporter

### Public Works
- Maintain Public Road Network
  - Promote Public Parking
  - Reduce Traffic Fatalities
  - Engage the Public
    - Respond to Emergencies
    - Maximize Capital Investments
    - Reduce Traffic Fatalities
      - Crash Analysis
      - Crash Risk Briefing
      - High Injury Network Locator
      - Vision Zero
      - Fatal and Serious Crash Dashboard
    - Engage the Public
      - Citizen Problem Reporter
      - My Trash Services
      - AdoptA
- Maximize Capital Investments
  - Capital Improvement Plan
  - Capital Project Dashboard
  - Capital Project Locator
  - Capital Project Plans
  - Capital Project Reports
  - Capital Project Review
  - External Agency Projects
  - Pavement Moratoriums
  - Participatory Budgeting
  - Row Permit
  - Row Permit Manager
  - Row Permit Dashboard
  - Row Permit Review
  - Row Permit Locator
  - Row Permit Public Comment

### Planning and Development
- Manage Address Information
  - Promote Vibrant Communities
  - Manage Community Events
  - Visualize Proposed Developments
  - Manage ROW Activities
  - Manage Mosquito Populations
  - Street Tree Inventory
  - Bridge Inventory
  - Sidewalk Inventory
  - Pavement Marking Inventory
  - Guardrail Inventory
  - Street Furniture Inventory
  - Railroad Crossing Inventory
  - Traffic Calming Inventory
  - Street Intersection Inventory
  - Cycling Infrastructure Inventory
  - Manage Mosquito Populations
  - Mosquito Adulticide Planning
  - Mosquito Larvicide Reporting
  - Mosquito Population Surveillance
  - Mosquito Service Request
  - Mosquito Spray Areas
  - Mosquito Spray Exclusions
- Manage ROW Activities
  - ROW Permit
  - ROW Permit Manager
  - ROW Permit Dashboard
  - ROW Permit Review
  - ROW Permit Locator
  - ROW Permit Public Comment

### Entire Organization
- Performance Management
  - Performance Management
- Visualize Proposed Developments
  - Local Government 3D Scenes
  - 3D Public Survey
  - Visualize Proposed Developments
  - Visibility Assessment
  - Calculate Solar Radiation
  - Shadow Impact Analysis
## State Government

### Transportation
- Reduce Traffic Fatalities
- Inventory ROW Assets
- Manage Snow Operations
- Inform Public
- Crash Risks Briefing
- Inventory ROW Assets
- Sign Inventory
- Signal Inventory
- Streetlight Inventory
- Street Tree Inventory
- Bridge Inventory
- Sidewalk Inventory
- Pavement Marking Inventory
- Guardrail Inventory
- Street Furniture Inventory
- Railroad Crossing Inventory
- Traffic Calming Inventory
- Street Intersection Inventory
- Cycling Infrastructure Inventory
- Manage Snow Operations
- Transportation 511
- Road Closures

### Public Health
- Analyze Birth Outcomes
- Conduct Restaurant Inspections
- My Health Services
- Conduct Restaurant Inspections
- Restaurant Inspections
- Restaurant Inspection Results

### Agriculture
- Monitor & Report Invasive Pests
- Protect Water Quality
- Invasive Pest Status
- Invasive Pest Surveys
- Invasive Pest Viewer
- Protect Water Quality
- BMP Dashboard
- BMP Surveys

### Natural Resources
- Engage Citizen Scientists
- Monitor Permit Status
- Monitor Permit Status
- Analyze Environmental Impact
- Monitor Water Quality
- Engage the Public
- Environmental Analysis
- Environmental Impact Briefing
- Environmental Impact Public Comment
- Environmental Screening
- Monitor Water Quality
- Water Quality Inspections
- Water Quality Status
- Engage the Public
- Water Access Locator

### Fish and Wildlife
- Engage the Public
- Wildlife Photo Survey
- Wildlife Management
- Area Locator
- Hunting License Locator
- Park and Recreation Locator
- State Trail Locator

### Economic Development
- Attract Businesses
- Manage Community Events
- Incentive Zones
- Property List
- Manage Community Events
- Events Calendar
- Events Permit
- Events Permit Review
- Events Site Map
- Events Coordination
- Events Map Gallery

### Secretary of State
- Share Election Results
- Early Voting
- Election Polling Places
- Election Results
- Historical Election Results Gallery
- My Elected Representative

### Entire Organization
- Organize Foundational Data
- Community Addresses
- Community Parcels
- Public Land Survey Editing
- Performance Management
- Community Parcel
- Public Land Survey Editing
- Performance Management
- Performance Management

### Law Enforcement
- Organize Foundational Data
- Perform Crime Analysis
- Develop Tactical Plans
- Crime Analysis
- Cell Phone Analysis
- Near Repeat Analysis
- Develop Tactical Plans
- Tactical Operation Planner
- Tactical Operation Dashboard
- Tactical Operation Surveillance
ArcGIS Industry Specific Maps and Apps

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Show Me!
ArcGIS Solutions
Groundbreaking and Incremental Improvements

Incremental Releases
2008
2012
2017

Continuous Improvements

Responsive Web Apps
Web App Templates
Desktop Add-ins
Solution Site

Feature Layers
ArcGIS Pro Projects
Web AppBuilder Widgets
Web App Templates
Deployment Tool

Information Models
Custom Web Apps
Flex Widgets
Desktop Add-ins
Resource Center

Utility Network Editing
Crowdsourcing Reporter

Attribute Assistant
Military Tools
Information Lookup
Address Management
Situational Awareness
Helicopter Landing
Tax Parcel Editing
Near Me
Smart Editor

Environmental Impact

Public Notification
Crash Analysis
Damage Assessment
Core Technology

Web AppBuilder
Widgets

Attribute Assistant

Configurable Web App Templates
The Community

It's not just about the technology
Priorities

• Simplify deployment
  • ArcGIS Solutions Deployment Tool, service catalogs…

• Modernize and maintain existing solutions
  • Pro projects, web appbuilder widgets, web app templates…

• Develop new solution offerings
  • Public safety, natural resources, performance management, neighborhood revitalization, resiliency, and mitigation…
Solutions Deployment Tool

ArcGIS Pro Add-in

• Helps users:
  • Discover solution offerings available
  • Deploy the services, maps, and configurable apps
    • One, or more, solution offerings
    • Without sample data
  • Configure the solution to meet their specific needs
    • Add fields
    • Modify field domains and aliases
  • Load data (if required)
Simplifying Deployment
ArcGIS Solutions Deployment Tool
Impact

• GIS professionals can quickly discover and deploy ArcGIS solutions in an organization

• Standardize configuration approaches

• Supports implementation of more comprehensive offerings

• Delivered with ArcGIS
What’s New

Summer 2018 Releases

• New offerings that support strategic initiatives like
  • Performance Management
  • Neighborhood Revitalization
  • Crime Analysis
  • Capital Improvement Planning
  • Best Management Practices

• Enhancements to existing offerings
  • Public Engagement
  • 3d Basemaps
  • Fire / Law Incident Dashboards
Road Ahead

• Simply, simplify, simplify
• New solution offerings
  • Natural Resources / Fish & Wildlife
  • Social Equity
  • Public Safety / Emergency Operations
  • Transportation / Public Works
  • Homelessness
  • Transit
  • Assessment & Taxation
• New capabilities
  • Analytics
  • Public engagement
  • 3D
Thank you

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http://solutions.arcgis.com/
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