

Your News from the Esri AEC Team

Welcome to the latest edition of the Esri News for AEC newsletter.

Discover how GIS is transforming design, planning, and operations across industries. Explore webinar recordings, case studies, blogs, and articles showcasing innovative solutions that improve efficiency, resilience, and community engagement.

Don't hesitate to pass along this newsletter to your colleagues. They can subscribe by visiting the [Esri News for AEC](#) web page.

Webinar Recording

Get the Most from CAD and BIM Data in ArcGIS

Missed the live seminar? Watch the recording for an overview of how CAD and BIM data are used together with GIS data for holistic design, planning, and asset management. Understand common use cases and best practices for using CAD and BIM data in ArcGIS, and see how GIS data enriches CAD and BIM workflows.

[Watch Now →](#)

Case Studies

Smarter Waste Management with ArcGIS Experience Builder

Roanoke County replaced outdated GIS tools with TrashView, developed with NVS using Esri's ArcGIS Experience Builder Developer Edition. The platform integrates IoT sensors and predictive analytics for real-time fleet tracking, route optimization, and proactive maintenance. Virginia Tech students installed sensors to enhance efficiency. A public-facing component keeps residents informed, and the scalable design supports future smart county initiatives.

[Read Now](#)

Building a Smarter City: Altamonte Springs' Digital Twin Transformation

The City of Altamonte Springs partnered with England-Thims & Miller, Inc. (ETM) to create a Digital Twin platform using Esri's geospatial technologies. This solution integrates high-resolution 3D models, real-time sensor data, and scenario planning to provide detailed visualization and proactive management of infrastructure and environmental conditions. The platform enhances situational awareness, supports data-driven decision-making, improves resilience, and strengthens long-term planning for the community.

[Read Now](#)



Tensio's Leap to Always-On GIS with ArcGIS Enterprise on Kubernetes

Tensio—one of Norway's major grid operators—has strengthened its enterprise GIS foundation by migrating to ArcGIS Enterprise on Kubernetes. This shift to a cloud-native architecture has improved system resilience, streamlined operations, and enabled scalable delivery of critical GIS services. Tensio's experience offers a relevant, real-world example for infrastructure owners and operators—across utilities, transportation, public works, and other essential services—who need reliable, modern systems that can adapt to growing operational demands. Read the full story to see how Tensio approached modernization and what their journey could mean for AECO organizations considering a similar path.

[Read Now](#)



Redefining Infrastructure Monitoring with Real-Time GIS

By pairing low-cost IoT sensors with ArcGIS Velocity, Orange County transformed a labor-intensive, high-risk monitoring process into an automated system that delivers continuous, actionable insights. This innovative approach not only enhances safety and operational efficiency but also drives major cost savings.

[Read Now](#)



Running Houston Efficiently with ArcGIS Monitor

From producing and distributing water, collecting and treating wastewater, and permitting and regulation of construction, Houston Public Works has a complex and growing GIS infrastructure. See how they improved efficiency to support operations and services in this story.

[Read Now](#)



Unlock Data-Driven Transit with Real-Time GIS

Traffic patterns, construction impacts, and service delays often remain hidden until the underlying data reveals the full picture. This ArcGIS StoryMaps story shows how real-time traffic and weather feeds processed with ArcGIS Velocity empower transit agencies to make informed, proactive decisions within minutes. By turning live vehicle location data and other data feeds into actionable insights, organizations can improve service reliability, reduce disruptions, and deliver better customer experiences.

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AEC GIS Heroes



GIS heroes are champions who inspire others to imagine how GIS can help them do their work better. The following are the most recent honorees:

- Kendra Rodgers McGraw, GISP, HDR
- Laine Alby, 1898 & Co.
- Lauren Aszys, 1898 & Co.

[Meet the GIS Heroes](#)

If you know someone who uses GIS to create innovative solutions and inspire others, [nominate them](#) to be Esri's next AEC GIS hero.

Esri AEC GIS Hero Profiles

Two Esri AEC GIS heroes sat down to share their GIS journey, insights on building skills and leadership, advice for advancing in the field, and vision for how GIS is transforming the AEC industry:

- [Aly Kennedy, Timmons Group](#)
- [Daniel Johns, ETM](#)

Blogs

How Stantec and Denver Used GIS to Transform Community Engagement

Stantec worked with Denver's Department of Transportation and Infrastructure to turn the city's Storm Drainage Master Plan into an interactive portal powered by ArcGIS. The platform provides up-to-date stormwater risk and infrastructure information, making data accessible to residents and supporting informed, collaborative planning.

[Read Now](#)

Use the Business Analyst Transit Analysis Infographic

The transit system plays a critical role in connecting communities, addressing congestion, driving economic development, and improving mobility and equity. Transit agencies can now utilize the Business Analyst Transit Stop Analysis infographic to help understand the population and destinations they are serving at their stops.

[Read Now](#)

Prepare Immersive Indoor Imagery from 360° Video

Discover how the new 360Video To Oriented Imagery tool in ArcGIS Indoors turns 360° video into spatially accurate, immersive imagery—enabling a richer and more engaging understanding of indoor maps for asset management, facilities planning, and wayfinding.

[Read Now](#)

Introducing the Next Generation in Real-Time GIS

The public beta of ArcGIS Velocity for ArcGIS Enterprise is now available for Windows and Linux! Connect to almost any data source, analyze in real time, and respond faster—all within your own environment.

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Video



Enhance Government Operations with Unified Address and Road Data Management

Get an in-depth look at how integrating the Address Data Management solution with ArcGIS Roads and Highways can transform government operations. Discover how unified centerline management can streamline workflows, improve data quality, and enhance decision-making for GIS, planning, public works, public safety services, and land records departments.

[Watch Now →](#)

Articles



Miami International Airport Gets a New View with ArcGIS Indoors

How do you improve planning and operational awareness at an airport with more than 56 million travelers? Miami International Airport used ArcGIS Indoors to visualize concession spaces, track leases in real time, and make smarter space decisions with interactive 3D maps.

[Read Now](#)



Denver International Airport Leverages ArcGIS for Obstruction Management

Denver International Airport is using Esri's ArcGIS Aviation Airports extension to streamline airfield planning and ensure regulatory compliance across one of the world's largest and most complex airport properties. By applying the Federal Aviation Administration (FAA) 18B schema to generate 3D virtual obstruction surfaces, the GIS team can quickly identify and manage height-restricted zones around active and future runways—strengthening safety, improving decision-making, and supporting long-term infrastructure development.

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Designing Smarter from the Start with Live GIS Data

Esri partners HDR and ReportAll have teamed up to give civil engineers access to authoritative geographic data in Autodesk Civil 3D. Using ArcGIS for AutoCAD, HDR's engineers bring parcel ownership, zoning, and environmental details into designs.

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Videos—GIS for AEC in 5 Minutes

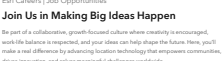
- [Design with Insight: ArcGIS Business Analyst Web App Standard](#)
- [Calculate Stationing & Offset in ArcGIS Field Maps](#)
- [ArcGIS Business Analyst: Getting Started with Suitability Analysis](#)
- [Improve the Exterior Shell of a Building](#)
- [ArcGIS Vector Tile Style Editor](#)

Partners Corner

Turn Insights into Action and Improve System Performance with ArcGIS Monitor

See how Quatic Solutions has helped organizations of differing sizes gain critical observability into their enterprise GIS and metrics to streamline asset management workflows—from a Municipal Water District serving 30,000 residents to the City of San Diego serving over a million residents.

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