

ARCHIBUS® Extensions & Frameworks

# GEOSPATIAL EXTENSIONS FOR ESRI®

Link facility and infrastructure data with the intuitive power of geospatial technology to make informed decisions

## Use Cases include:

- Asset management
- Maintenance
- Alternate workspace management and telework
- Threat analysis, risk assessment, and business continuity planning
- Strategic planning
- Real-property management
- Mission alignment
- Energy management
- Water-resource management
- E911, Executive Order 13327, BRAC mandates
- Environmental Compliance
- Employee, customer, and competition mapping
- Site and proximity analysis

Plus Many More...

Many leading organizations recognize Geospatial Information Systems (GIS) as an essential information tool to address extended markets, aging infrastructure, shifting demographics, and compressed cycle times. The knowledge gained from GIS allows organizations to make better decisions, saving time and resources. You can now use powerful geospatial capabilities to view and understand your existing real estate, facility and infrastructure information through the ARCHIBUS Geospatial Extensions for Esri. This integration will provide you with an even more powerful multi-layered perspective on critical geospatial data to help achieve organizational initiatives.

## BENEFITS

- Streamlines enterprise workflows by providing geospatial business intelligence directly inside of your ARCHIBUS Web Central applications
- Improves collaboration, decision making, and insight by providing a common-operating picture that seamlessly spans the inside-building and outside-building perspectives of your sites, space, infrastructure, and physical assets
- Uses ARCHIBUS data dictionary and spatial relationships to automatically geo-reference all CAD and BIM facility-related data—sites, parcels and buildings down to rooms, equipment, furniture, network device locations, and even network jack drops
- Work within ARCHIBUS Web Central or within your familiar Esri tools, such as ArcMap and ArcGlobe



Incorporate a geospatial perspective directly within your ARCHIBUS Web Central applications. Present asset information seamlessly at all levels of detail. Zoom smoothly from global-scale clusters, to local-scale markers, to actual building and room outlines with thematic highlights.

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Contract # DIR-TSO-4384



**ARCHIBUS**

## Bring Geography to Your Business Intelligence

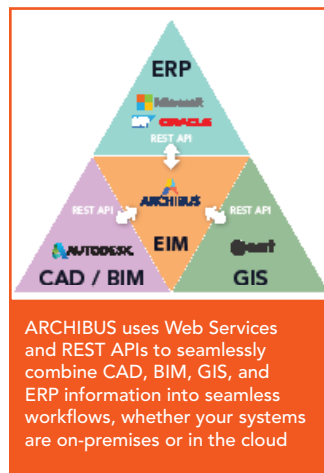
Unlock the spatial component of valuable business data and see your enterprise from a new perspective. View a common operating picture of sites, space, infrastructure, physical assets to increase organizational collaboration and make well-informed decisions concerning campus-scale space planning & real estate portfolio management.

- Increase communication and collaboration through immediate access and complete integration of spatial and non-spatial data
- Flow architectural CAD and Building Information Modeling (BIM) directly into GIS
- Maintain a single, seamless data repository for critical information on assets and processes—both inside and outside of your buildings
- Merge GIS and enterprise workflows to speed mission-critical processes, deliver organizational results

## Link Visual Representations for Improved Analysis

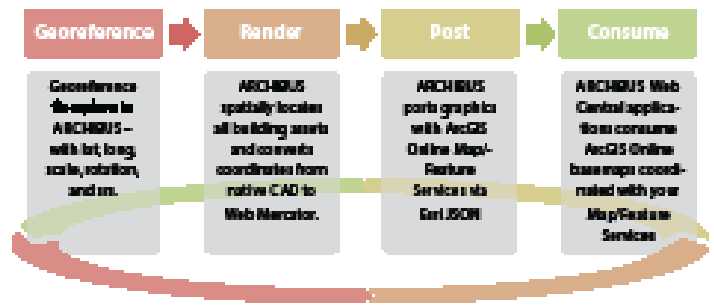
Boost your competitive advantage with top-notch analytic tools to help answer both strategic and tactical questions that the C-level suite would ask. High performance organizations require a deep level of spatial knowledge to locate potential customers, assess risks, streamline procedures, and optimize operations.

- Extend the power of your ERP & Enterprise Information Modeling (EIM) with Geospatial Extensions
- View maps, and demographics side-by-side with the financials that measure and the workflows that drive processes such as capital projects, property transactions, and lease renewals
- Locate heat-maps of occupancy, lease expirations, total costs per square foot, costs of deferred maintenance, and other key performance indicators



## Flow CAD and BIM Data to GIS—Even in the Cloud

An automated workflow keeps your CAD and BIM information in perfect sync with your Esri GIS information. The process uses the relationships within the ARCHIBUS data-dictionary to georeference all assets—sites, parcels and buildings down to rooms, equipment, furniture, network device locations, even network jack drops. ARCHIBUS can locate assets such as buildings and structures based on address, but also accurately georeference all items in a building from the geo-position of the building itself. The ARCHIBUS work-flow automatically creates the GIS schema you need—whether working on-premises using Esri ArcGIS Server or in the cloud using Esri ArcGIS Online. Integrating CAD, BIM and GIS has never been this easy.



## Analyze Interior and Exterior Data Simultaneously

The ARCHIBUS Geospatial Extensions let you use the powerful family of Esri solutions to address issues that cross the artificial boundary between “inside” and “outside” the building. The extensions provide “real world” context and enable quicker decision-making based on rich, multi-dimensional sources of information.

- Real Estate Managers ask: Which cities provide the optimal mix of demographic variables for opening a new office, manufacturing plant, or retail location?
- Operations Staff ask: How do utility lines relate to and impact interior spaces?
- Security Personnel ask: Which mission-critical rooms & equipment are in close proximity to natural gas lines?
- Space Planners ask: How do functional departments span buildings in a campus setting?