

# ArcGIS solutions for architecture, engineering and construction

GIS is digitally transforming project design and delivery for architecture, engineering and construction (AEC) through improved workflows, better collaboration, and enhanced operational awareness to build more resilient infrastructures for the future.

## Solutions for architecture, engineering and construction

- Project Monitoring Dashboard
- Imagery Slider App (2D)
- Project Update Interactive Presentation
- Field Maps Survey
- 3D BIM Data Mapping
- Pavement Management for Toll Road Operator

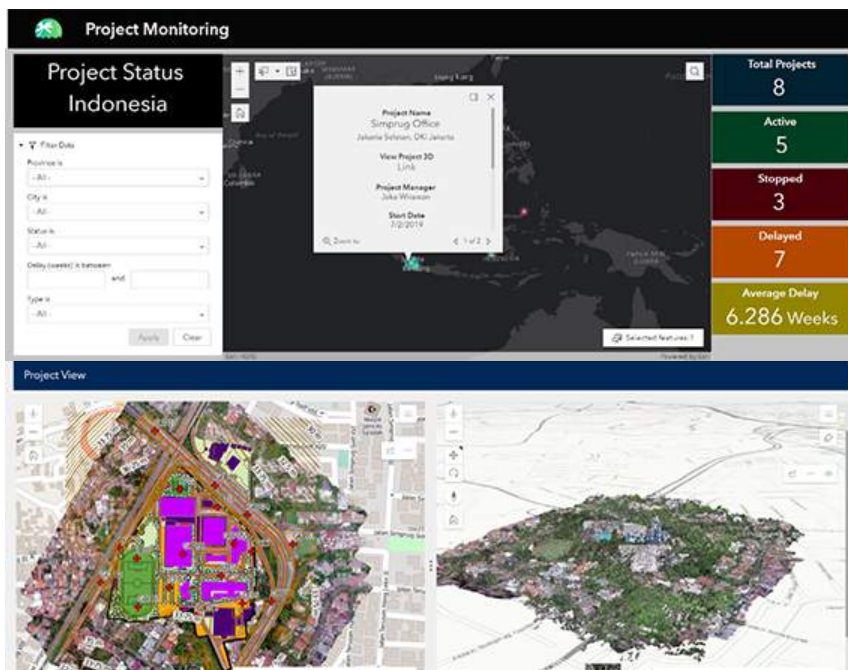
To learn more about ArcGIS solutions for AEC, contact us [here](#) or call our product specialists.

Call us on (021) 2940 6355

## Project Monitoring Dashboard

Provide comprehensive information on all projects at a glance with project monitoring dashboards. Add compelling visualisations by connecting each dashboard to 2D and 3D models of your projects.

- Maintain a bird's-eye view of all projects
- Combine tabular and geospatial data
- Provide interactive visualisations for stakeholders
- Gain a holistic view of projects for better decision-making



A project monitoring dashboard combining tabular and geospatial data, with interactive visualisations.

## Products

- ArcGIS Online / ArcGIS Enterprise
- ArcGIS Pro 2.8 advanced
- ArcGIS Desktop extensions: 3D Analyst, Data interoperability

## Imagery Slider App (2D)

Compare project progress over time with realistic visualisations of 2D satellite or drone imagery from two or more time periods.

- Update progress seamlessly from the field
- Overlay orthophotos for temporal analysis
- Keep historical orthophotos for progress tracking



A visualisation of 2D satellite imagery from two time periods.

### Products

- ArcGIS Online / ArcGIS Enterprise
- ArcGIS Pro 2.8 standard
- ArcGIS Image Server (if using Enterprise)

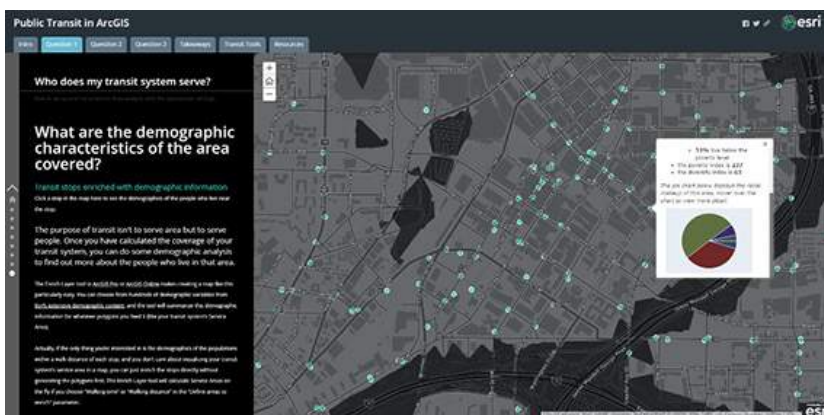
## Project Update Interactive Presentation

Communicate effectively to stakeholders by presenting project data in an interactive online presentation (StoryMaps) that can combine narration, audio, video, and interactive 2D and 3D maps.

- Share project updates via interactive online presentations
- Combine 2D and 3D maps with narration, multimedia files and various web apps for greater insights
- Embed in website or portal for internal or external communications

### Products

- ArcGIS Online / ArcGIS Enterprise



An interactive online presentation combining 2D maps with narration and multimedia files.



## Field Maps Survey

Bring field survey data to the office seamlessly with ArcGIS Field Maps to increase efficiency and accuracy with direct integration from your mobile apps.

- Access ready-to-use mobile apps in Android, iOS, or Windows
- Easily create your own online survey form
- Collect and sync data offline
- Pair with high-accuracy Global Navigation Satellite System (GNSS)

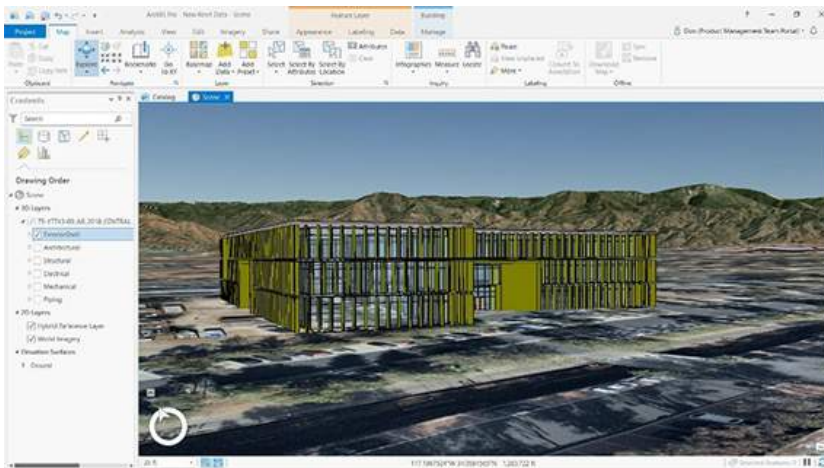


3D Visualisation of Field Data Collection to help better understand geographical context. Geotagged survey points can be viewed both in 2D and 3D maps

## 3D BIM Data Mapping

Combine GIS context data and detailed Building Information Modeling (BIM) data and display in 3D maps to increase project visibility.

- Geo reference your CAD, Revit, or Industry Foundation Classes (IFC) data in ArcGIS
- Publish IFC and Revit data as Building Scene Layers for easy web exploration
- Combine 3D model data with various GIS data in online maps for context
- Prepare data for effective asset management and maintenance



A 3D map combining GIS context data and detailed BIM data.

### Products

- ArcGIS Online / ArcGIS Enterprise (Field worker user types and above)

### Products

- ArcGIS Online / ArcGIS Enterprise
- ArcGIS Pro 2.8 advanced
- ArcGIS Pro extensions: 3D Analyst, Data interoperability

# Pavement Management for Toll Road Operator

Maintain service-level agreements (SLAs) by delivering faster, more accurate asset inspections and toll-road monitoring while reducing time and costs with paperless forms.

- Seamlessly update data from the field with digital forms
- Monitor real-time updates via an interactive dashboard for inspection progress and reporting
- Maintain historical data for comprehensive recordkeeping

### Products

- ArcGIS Online / ArcGIS Enterprise
- ArcGIS Pro 2.8 advanced



An interactive dashboard to monitor inspection progress and reporting.

## Contact Esri Indonesia

Discover the value Esri Indonesia's GIS solutions will bring to your organisation. Call us on **(021) 2940 6355**.

✉ [connect@esriindonesia.co.id](mailto:connect@esriindonesia.co.id)

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