Transforming the Project Lifecycle through Geospatial Technologies
Capturing accurate information about the real world environment is a critical first step to understand the feasibility and potential challenges of any new project.

The latest geospatial technologies, such as 3D laser scanning and drone imagery, are providing rich data sets that enables engineers to fully visualize the existing conditions and create sustainable designs.

Geospatial technologies are also enabling project managers to connect the real world and the design throughout the construction project, enabling BIM methodologies to minimize rework and waste.

Learn how new data capture technologies, connected data models and augmented reality solutions are transforming project sustainability.
Transforming the Way the World Works

At Trimble, we have been in the business of crafting confidence for customers for over 40 years.

Founded on the core principles of triangulation, we stand for: Position, Information and Communication.

Where all points unite, you’ll find Trimble - with innovation and technology for the future.
Support Every Phase of Construction
Providing Solutions across entire project lifecycle
Accurate Geospatial Data as the Foundation

Digital data and workflows support the entire project lifecycle:
- Survey
- Design
- Site layout
- Post-construction as-built
- Maintenance
## Digitizing the Real World Environment

<table>
<thead>
<tr>
<th>Terrestrial</th>
<th>Aerial</th>
<th>Mobile mapping</th>
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<tbody>
<tr>
<td><img src="image1.png" alt="Terrestrial Image" /></td>
<td><img src="image2.png" alt="Aerial Image" /></td>
<td><img src="image3.png" alt="Mobile Mapping Image" /></td>
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- **Terrestrial**: Various imaging equipment for capturing data on the ground.
- **Aerial**: Drones and aircraft for capturing data from above.
- **Mobile mapping**: Vehicles equipped with mapping technology for real-time data collection.
Supporting Every Lifecycle Phase
Technology Evolution – Snapshot of Today

Trimble SX10 scanning the abutment structure
Mixed Reality – Digital and Real World

Trimble SiteVision

Trimble XR10
Trimble XR10 With Microsoft Hololens 2
Visualize and Collaborate with Trimble Hololens
Visualize Existing Conditions – Trimble SiteVision
VISUALLY INSPECT CONSTRUCTION
Trimble SiteVision – Mixed Reality Applications

- Utilities
- Network Design
- Land Use Planning
- Construction Layout
Geek-ing Out with Mixed Reality!
Thank You!
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