Matterport for Architecture, Engineering & Construction

Explore Matterport's digital twin technology— the comprehensive way to streamline your project workflow by leveraging our 3D capture technology to expedite site documentation, as-built creation and stakeholder collaboration anytime, anywhere.

The Matterport Advantage

Our 3D data platform is a powerful, accurate, and quick way to document a building or property. With a compatible camera, you can capture anything from small to large spaces — both inside and outside — with the highest level of detail.

By incorporating Matterport into your workflow, you can save significant amounts of time and resources.

- Reduce BIM modeling costs by over 70%
- Decrease travel and site visits by 50%
- Improve project initiation timelines and enable easy collaboration

Documentation

Capture complete and accurate as-built documentation, at a fraction of the cost and time of traditional methods.

Construction Progress

Increase trust by keeping all stakeholders up-to-date by using weekly scans to document site progress.

Safety & Compliance

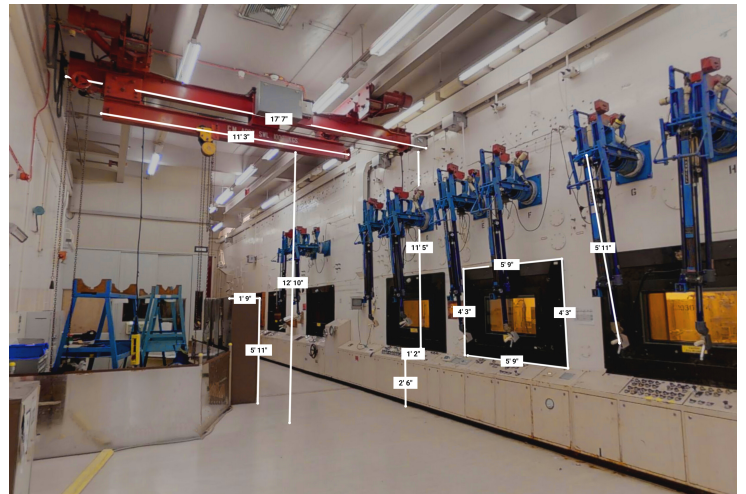Verify site conditions and remotely monitor job site health, safety and welfare compliance.

Project Turnover

Improve facilities management capabilities and customer service by sharing a full digital twin of the completed project.

Matterport's AI-based enterprise platform allows employees and customers to show and communicate key project milestones, perform remote inspections, and so much more.

A Matterport digital twin gives immersive access to critical building intelligence, which enables faster and easier collaboration, increased productivity, added efficiencies in workflow, and overall cost reduction.

Case Studies

ARUP

Arup is a global powerhouse in architecture and design, with offices in more than 30 countries. Known for its innovation, the firm has helped set the trends for building a better world since 1946.

The firm's documentation and building information modeling (BIM) approaches have evolved and in 2017, the firm began using Matterport 3D models to more quickly and efficiently document as-built environments and construction progression. With Matterport, Arup is making BIM smarter, importing point clouds for design and validation in modeling software.

Results:

- Improves project initiation timelines for more responsive client service
- Convenient ordering online, with just a few clicks
- Level of Development (LOD) 200 specification primes internal teams for their work
- Enables earlier, more inspirational client engagement

"With the fast ordering convenience of Matterport BIM Files, we can simplify our collective initial kickoff steps, from early engagement of internal team members to streamlined briefings for stakeholders. These benefits enable us to provide more responsive client service."

Michael Alder, Regional Reality Capture Leader

HHAngus

For more than 100 years, HH Angus has devoted itself to engineering excellence, embracing new technologies to create innovative solutions for its clients' most complex challenges. In recent years, HH Angus has captured more than 700 spaces in digital twins with its Matterport Pro2 cameras. As a result, HH Angus has reduced the cost of site surveys by half, replacing traditional survey methods with capturing digital twins.

The team used the Matterport Pro2 camera to capture mechanical facilities at Toronto Western Hospital over the course of a multi-year, multi-phase project. The team dramatically reduced repeat site visits, referring designers, engineers, and owner-operators to the Matterport 3D digital twins throughout the project lifecycle.

Results:

- Eliminated over 40 person-hours in BIM file creation time for company's staff in recent project
- Saving clients money by reducing costs to create BIM file by over 70%
- Consolidates key information in BIM environment for more streamlined workflows across design team

"Matterport enables us to document as-built conditions, validate models, and design faster than ever before."

Melissa Parry, BIM Specialist