

Solutions for Facilities Management

# Increase ROI, cut costs, and improve staff productivity with Matterport 3D

Effective facilities management is vital to the long-term success of any corporation, developer, or business owner. Strategic planning of space and infrastructure helps companies achieve their business objectives, cut costs, and improve staff productivity. With a Matterport 3D model, as the **digital twin** of your property, you can revolutionize the way you manage your facilities.

## Facility planning and design

Capture existing conditions before beginning the design phase. Map and document how a facility and its equipment are configured now. Replace lengthy manual measurements with an accurate and fast 3D scan — plus a point cloud or OBJ that you can import directly into your BIM software.

- Automate the current process of hand drawing sketches of factory layouts. Decrease time to delivery of floorplans, increase the accuracy of room dimensions, and lower the cost of sketching.
- Reduce time and costs for creating factory layouts without compromising the ongoing functionality of the facility. Create a 3D scan once during a less-busy time, such as nights or weekends. Important stakeholders can design modifications and upgrades on the 3D model, while the current facility still proceeds in its current configuration.
- Improve coordination between distant engineering project teams and manufacturers with a digital twin accessible from anywhere in the world. Matterport is an excellent way for stakeholders to collaborate and suggest changes in a natural way.
- Capture dimensional data to document existing buildings and structures, above ground utilities, process equipment, and existing tie-points to define how a new project development might interface with adjacent processes.

- No longer require contractors to “field verify” existing conditions. Save time and money by verifying equipment and factory conditions digitally.

## Optimize equipment installation

Use a Virtual Factory Layout (VFL) to measure between objects and secure a flawless arrangement of the facility. Save time and money by eliminating equipment clashes and change orders due to inaccurate site plans.

## Create an equipment Inventory

Create a visual evidence of assets on hand. Label equipment with digital tags to document repairs, purchase, and training information. Easily share visual inventory with maintenance personnel.

## Train new employees

Share a 3D walkthrough of your facilities with new or visiting employees so they can quickly navigate the facility and get work done. Highlight key sites with Mattertag™ Posts (virtual sign posts) so employees can connect physical resources with digital resources. Increase situational awareness for employees and first responders in case of emergency or disaster incidents.

## Matterport. 3D capture for all.

Matterport is the world leader in immersive 3D technology. The Matterport Cloud allows users to easily capture, create, and display 3D models of real-world spaces. These models are delivered in a navigable, photo-realistic format that uses patented computer-vision and artificial-intelligence technologies.

### How it works

#### Capture

Scan real-world spaces using a Matterport compatible camera of your own.

#### Create

With a cloud subscription plan, upload images to the Matterport Cloud to process into a seamless, navigable 3D model stored in the cloud.

#### Display

Embed Matterport 3D models in your listings, on web sites and mobile apps, or provide active links in customer emails.

“The initial 30.5 hours we invested in scanning MEP facilities of Toronto Western Hospital was essential to an efficient modeling workflow. Capturing good, reliable scan data ensured our remaining 300 hours of modeling MEP systems in Autodesk Revit was seamless.”

Melissa Parry, BIM Specialist, HH Angus



# Compatible cameras

The Matterport Cloud platform supports multiple cameras. Pick one based on your needs:

## Matterport

### Pro2

#### Use

Best for typical and dense indoor spaces.  
Fast scanning to finish the job quickly.  
The highest image quality and resolution.

## LEICA

### BLK360

Best for large open spaces.  
Scan both indoor and outdoor environments.  
The most accurate measurements available from a 3D model.

#### Resolution

134 Megapixels

34 Megapixels equirectangular

#### Accuracy

Measurements within the Matterport 3D model can be within 1% of actual.

Measurements within the Matterport 3D model can be within 0.1% of actual.

#### .obj and Point Cloud Files

Yes

Yes

#### Floor Plans

Yes

Yes

