



**CONCEPT
SECURITY**

**Matterport
Surveys**

A perspective view of a subway station with a high, arched, ribbed ceiling. The station is empty of people. Overlaid on the scene are various digital and 3D elements: a complex network of glowing blue lines and nodes at the top of the frame; glowing blue and red lines and symbols (like percentages and numbers) along the tracks; and a glowing blue rectangular object on the left track. The overall color palette is dominated by blues, greys, and a touch of red.

Utilising the power of 3D visualisation. Our capture service can produce 3D virtual tours and digital twins for any space.

The use of Matterport surveys will save time, reduce risk, improve planning, and create digital twins of critical environments like stations, depots and control rooms.

Benefits of using Matterport surveys

Create accurate, interactive 3D digital models of stations, depots, and assets. These “digital twins” provide a faster, safer, and more cost-effective way to understand and manage the infrastructure.

1. Asset Management

Matterport helps operators:

- Record the exact **location of equipment** (signals, ticket machines, CCTV, electrical cabinets)
- Create a permanent **visual record** of assets
- Track changes over time

This is useful for large, complex stations where drawings quickly become outdated.

Asset Data Collection from Matterport Survey

Matterport surveys are a valuable tool for asset data collection, offering several benefits:

- **Accurate Dimensional Data:** LiDAR technology provides precise measurements, making it ideal for tasks like space planning and as-built design creation.
- **Data Richness:** Matterport captures visual and spatial information that can be referred back to long after the site visit, enhancing data richness.
- **Accessibility:** Off-site stakeholders can virtually explore the building from anywhere, improving communication and planning during repairs or compliance checks.
- **Integration with BIM Software:** Matterport data can be integrated into BIM software, streamlining the workflow and ensuring accurate documentation.
- **Asset Tagging:** Matterport's asset tagging feature allows for detailed annotation of specific assets or areas within a space, enhancing documentation and tracking.
- These features make Matterport surveys an essential tool for professionals in various industries, ensuring that asset data is collected accurately and efficiently

Other

95.9 m²

7.74 m

3.48 m

3.60 m

5.35 m

2.39 m



2. Maintenance Planning

plan maintenance with Matterport, consider the following steps:

- Utilise Digital Twins: Matterport's digital twins provide accurate representations of your facility, allowing for better predictive maintenance and efficient scheduling of maintenance activities.
- Conduct Virtual Inspections: Use Matterport to conduct virtual inspections remotely, identifying potential issues before they escalate into major problems.
- Capture Building Data: Matterport scanning can capture accurate building data, including dimensions and equipment sizes, which is crucial for maintenance planning.
- Document Maintenance Activities: Use Matterport to document repairs and maintenance directly within the 3D model, ensuring all relevant information is accessible to maintenance personnel.
- Implement Best Practices: Follow best practices for facility maintenance, such as conducting regular inspections and creating checklists for recurring assessments.

By integrating these practices, you can enhance your maintenance planning and ensure optimal facility performance.

3. Refurbishment & Design Work

Before upgrades, operators can:

- Share a **3D model with engineers and architects**
 - Take **accurate measurements** inside the model
 - Plan new ticket gates, lifts, signage, or retail units
- This avoids repeated site visits and design errors.



4. Safety & Risk Management

Operators use Matterport to:

- Model **evacuation routes**
- Identify trip hazards or blind spots
- Train staff on emergency scenarios without disrupting live stations

5. Accessibility Audits

Very common use in rail:

- Check **step-free routes**
- Lift and ramp positioning
- Platform-train interface areas
- This data supports legal compliance and passenger-experience improvements.

6. Remote Training

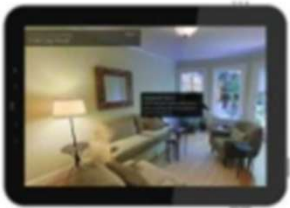
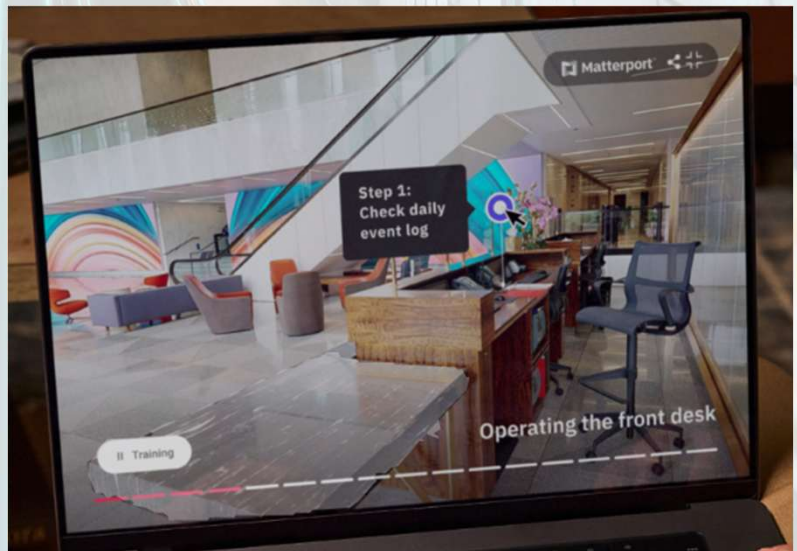
Train operators use scanned environments to:

- Train new staff virtually
- Run scenario-based learning (crowd control, evacuations, security)

7. Incident & Insurance Documentation

After accidents or security incidents, Matterport surveys capture:

- Exact layouts
- Condition of assets
- Spatial evidence that can be used for investigations or legal cases



Storytelling with
Mattertag Posts



Guided Tour



Self-Directed Tour



Schematic Floor Plans with
Measurements



360° Views



Anywhere / Anytime
Any Browser / Any Device



Untitled View ▾

Floor 2 X

3D visualisation “Dolls House” of the entire station footprint

