

CUSTOMER STORIES THAT MATTER – ARCHITECTURE, ENGINEERING, CONSTRUCTION

# CORGAN DRIVES CONSTRUCTION EFFICIENCY AT LAX WITH MATTERPORT 3D MODELS

## CORGAN

### About Corgan

Corgan is a leading architecture and design firm headquartered in Dallas, TX. For eight decades, Corgan has developed special expertise in aviation, commercial, data centers, education, healthcare, and interior design projects.

### The Challenge

Gain efficiencies in documentation, field validation, and collaboration over the five-year aviation project at LAX.

### The Solution

Use Matterport's Pro2 camera to scan existing conditions, capture key milestones, create virtual punch lists, and share 3D models with owners, contractors, and facility managers.

### The Results

#### **20X COST SAVINGS**

By purchasing the Matterport Pro2 camera and scanning the aviation project, Corgan saved 20X compared to a hiring a professional to scan.

#### **GAINED EFFICIENCIES INTEGRATING MATTERPORT 3D SCANS WITH AUTODESK REVIT AND NAVISWORKS**

One of the largest hurdles to overcome on a new project is capturing the existing conditions to begin the design phase. For the first phase of their LAX project, a utility tunnel ~575 feet long and 18,000 square feet, they completed 50 scans in approximately 60 minutes. However, they could have drastically reduced that time (by 50%) by using Matterport's fast capture capability.

Next, Corgan validated the space built aligned with their design and construction models, overlaying point clouds with design models using Autodesk tools, including Revit and Navisworks.

#### **CAPTURED KEY MILESTONES AND CREATED VIRTUAL PUNCH LISTS**

They created a 3D model of the structure. Next, they used "Mattertags" for annotating the model to flag specific points that require extra attention. With one link, they shared situational context and coordinated punch lists with the contractor, the design team, and the owner. This eliminated repeat field visits and ensured they were on the same page, resolving outstanding issues.

#### **SHARE 3D MODELS WITH OWNERS FOR FACILITY MANAGEMENT**

Now, owners can reference the 3D models for long-term facility management purposes or share the construction milestone progression scans with team members.



“At Corgan, we used the Matterport Pro2 camera during a project at LAX. The technology allowed us to efficiently scan existing conditions, capture key milestones, create virtual punch lists, document progress and share 3D models with owners and facility managers.”

**Monica Sosa**, AIA, Project Manager, Senior, Associate at Corgan

#### **MATTERPORT SERVICE PARTNERS**

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