

# DESIGN/BUILD CASE STUDY

Revolutionizing Design/Build Strategies with  
Advanced 3D Virtual Tours

[www.aftertecai.com](http://www.aftertecai.com)

## OBJECTIVES

The company aimed to revolutionize the Design/Build industry by leveraging 3D Virtual Tours for remote property surveys, efficient inventory of electrical panels, precise BIM model creation for renovation areas, and providing comprehensive client access to these tours for various operational needs.

## SOLUTION

The process involved an initial assessment to tailor 3D Virtual Tours to the facility's needs, capturing detailed tours with state-of-the-art technology, integrating measurements for accurate Revit models, and training clients to navigate and utilize the tours. Collaborative features in the delivered models allowed stakeholders to annotate, add information, and attach photos, fostering a dynamic project planning and execution environment.

## BENEFITS

### 1. Enhanced Measurement Accuracy

Combination of virtual and physical measurements for scale-accurate models.

### 2. Detailed Structural Insights

Specifics like girt and purlin sizes documented for structural assessments.

### 3. Efficient BIM Model Creation

Ready-to-use models reduced client workload and expedited design.

### 4. Obstacle Identification

Aided in planning for electrical component and storage cage relocation

### 5. Enhanced Collaboration

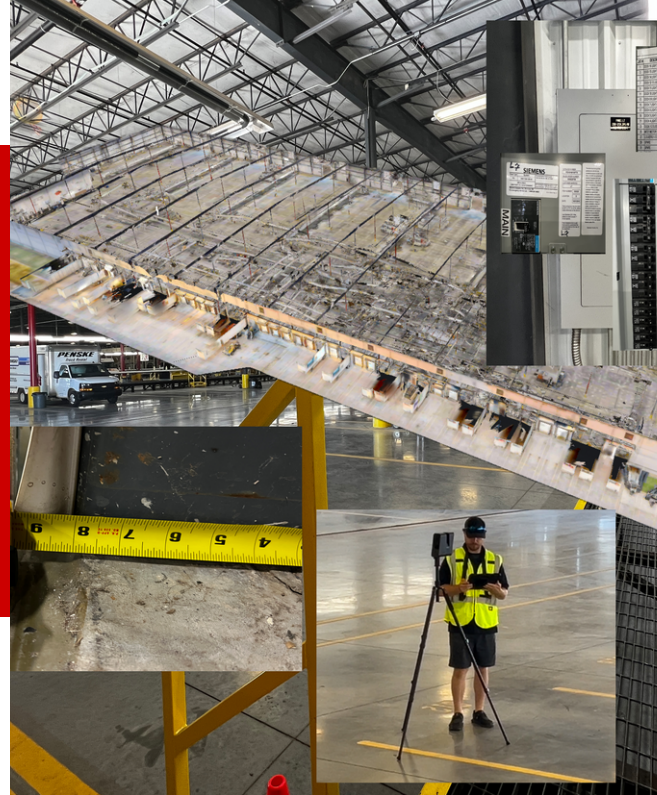
Interactive model features streamlined the renovation process.

### 6. Future-Ready Documentation

Comprehensive resource provided for future initiatives, saving time and resources.

### 7. Significant Cost Savings

Reduced need for on-site personnel travel, saving substantial time and resources.



## AT A GLANCE CHALLENGES

- Accurate property surveying and inventory management
- Time-consuming traditional methods prone to inaccuracies
- Navigating and documenting large-scale, complex spaces

## BENEFITS

- 30% reduction in time for property surveys and measurements.
- Enhanced accuracy in renovation plans and reduced design errors.
- Significant reduction in travel costs and resource time
- Positive client feedback on ease of access and comprehensive detail



*Wayne Dunbar*  
CEO

**aftertec advanced imaging**

*"Our company is becoming an indispensable partner, driving innovation and precision in the design/build industry's future."*