

////// GPRS LASER SCANNING SERVICES

# CASE STUDY

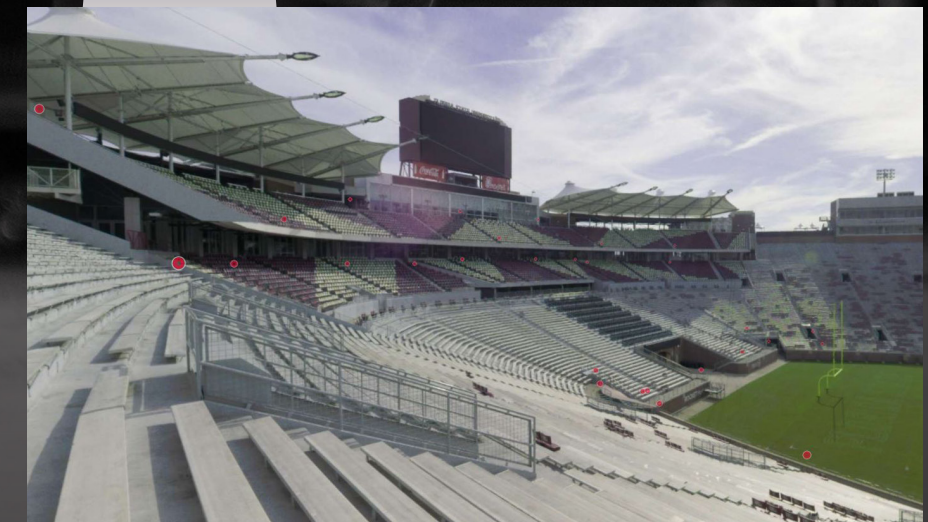
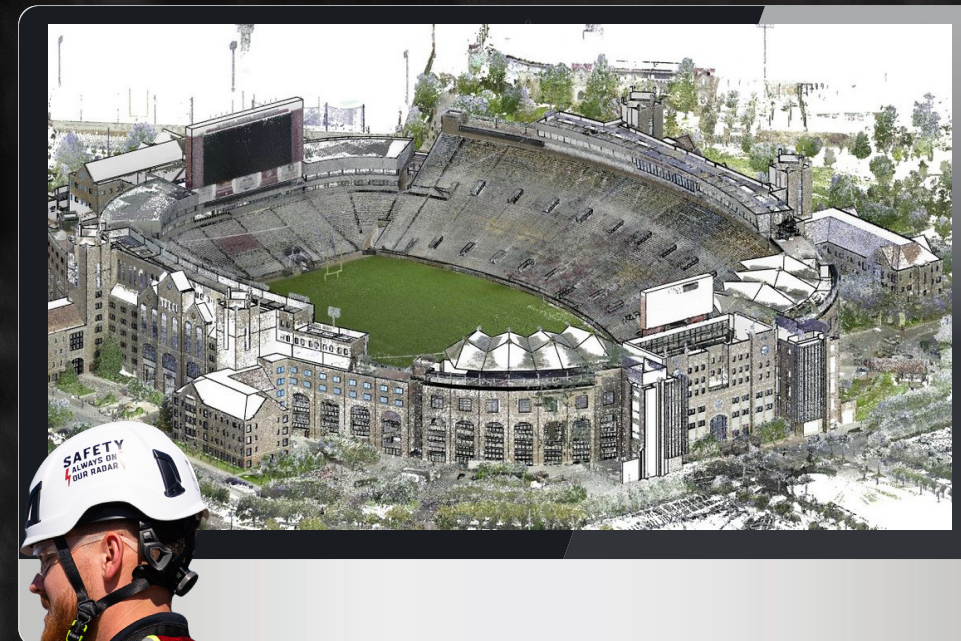
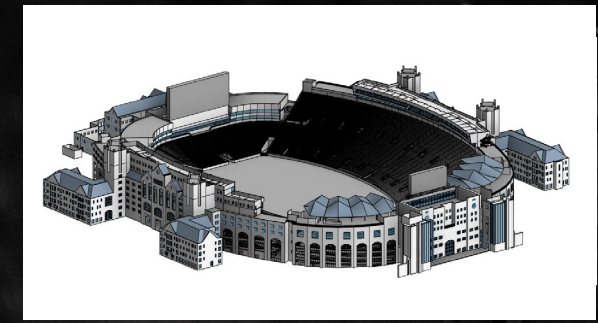
## CASE STUDY: BIM MODEL AIDS DESIGN RENOVATIONS FOR STADIUM

### LOCATION

Tallahassee, Florida

### TASK:

An architect requested an ArchiCAD BIM model of a college football stadium to create renovation construction documents.



### PROBLEM

- A vast amount of space required as-built documentation, over 600,000 sq. ft. needed 3D laser scanned and modeled.
- The renovation changes were complex. A BIM model was needed to provide the stadium owners a better understanding of the architecture and design updates.
- Our client needed a single source of data, where all architects on the team could see the latest design and document their changes.



### SOLUTION

- The exterior and interior of the stadium were 3D laser scanned with 2-4 millimeter precision, including three concourse levels, stadium seating, and suites.
- TruePoint delivered an intensity map point cloud, TruView viewer files, and a Revit 2021 3D model of the stadium.
- Working from precise details in the 3D model, renovations can be designed right the first time, saving time and costly change orders.



### BENEFITS

- The architect utilizes the Building Information Modeling (BIM) process to provide their clients a better understanding of the complexities of architecture and design.
- Technical construction drawings (floor plan views, elevation views, cross-sections, iso-metric representations, etc.) can be effortlessly created from the 3D BIM model and shared with all disciplines.
- A BIM model allows architects to plan precise renovations, from design changes and material selection, to cost estimation and construction phasing.

