

# A Science Hall of the Future by ShoffnerKalthoff Mechanical Electrical Service

Trimble SysQue reduces field labor hours and increases productivity.

## Overview

ShoffnerKalthoff Mechanical Electrical Service had nine months to design, prefabricate, and construct the HVAC and plumbing services for the University of Tennessee's new eight-story state-of-the-art science hall. There was no space on the job site for material storage, meaning prefabrication was a necessity.

## CHALLENGE

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A multitude of mechanical systems made spatial fit a problem. Everything had to be built to exact measurements in prefabrication so that it could be installed immediately upon arrival.

### OUR APPROACH

Move ShoffnerKalthoff beyond their CAD-based BIM platform with a precise software tool, since being able to produce exact content from LOD400 models was essential.

### SOLUTION

Trimble® SysQue® with Revit, streamlining the BIM and pre-fabrication workflow and enabling the company to model and spool piping and plumbing.

*"If you have the chance to move from a CAD-based solution to the Revit/SysQue products, please don't hesitate."*

- Chris Overholt, Design Manager, ShoffnerKalthoff Mechanical Electrical Service

## Results

They delivered successfully on the Strong Hall Science Lab at the University of Tennessee, reducing the field labor hours and increasing productivity in the process. Their design-to-construction workflow also improved.

