



This advertorial was produced for company use in educating prospective customers regarding a specific, unique utilization of one of their more popular products, including benefits and cost savings to the end user.

VIMTREK PROVIDES VIRTUAL REALITY VISUALIZATION AT THE JOB SITE

Once upon a time, construction jobsites were thought to be high-tech if they had a copy machine and a calculator. The industry has come a long way since then. [In *Design Intelligence*](#), Ron Perkins says today's high-tech sites have technology straight from the pages of science fiction. In recent years, the introduction of Building Information Modeling (BIM) practices, standards, and software technology has significantly reduced project costs. This has driven high demand for technology in the construction process. Jobsite Tech Group collaborated with Vimtrek to develop software for the Samsung VR hardware they were implementing on their jobsites. Together, we've developed a powerful tool to use on any jobsite or anywhere.

The need for powerful, high-tech, virtual reality modeling on the jobsite drove Jobsite Tech Group to seek a firm like Vimtrek. Vimtrek already has strong relationships with Synnex distribution and Samsung hardware delivery. Vimtrek's long association with AEC Group and its hundreds of resellers and associations also made them the perfect choice for this project.

The need for VR technology on the jobsite is clear. A recent survey revealed 83 percent of the respondents with active projects valued at \$5 million or more felt jobsite technology helped them win new business. Here are some of the responses received (more are located at [ConstructionExec.com](#)):

“We used a digital plan table and tablets to complete the project without using paper.”

“We streamlined and truncated the punch list process by instituting field pre-punch using tablets, our BIM models, and PDF viewing software.”

During a demolition, [Hensel Phelps](#) discovered the as-built drawings were inaccurate. This meant there would be problems with the renovation. Project Engineer Chad Neukirch solved the problem quickly. He used a 3D laser scanner to capture actual dimensions down to the millimeter. The design team pulled the scans off the point cloud to revise from their office two states away.

Through jobsite technology, companies can significantly reduce costs. They can ensure every team member is working from the most recent iteration of design plans and can create new, more efficient workflows.

“Manipulating large and complex Revit files to convey critical information pertaining to a high-profile mega project can be a daunting task. Utilizing visualization tools such as Samsung Gear VR, Vimtrek, and Unity enabled our project team to communicate more effectively, collaborate in a virtual environment, and minimize project delays therefore minimizing cost impacts,” said [Alex Malusky, VDC Engineer, McCarthy Building Companies, Inc.](#)

This technology has provided such tremendous benefits, Mississippi State University College of Architecture, Art and Design recently launched a new Construction Training and Research Laboratory (CTRL). Their purpose is to educate students to implement the technologies of tomorrow including drones, 3D laser scanning, and 3D printing among other potential processes ([ACC Cafe](#)). There is no doubt the adoption of BIM tools and VR technology have had and will continue to have a tremendous impact on the construction industry.

The full product line of Samsung Business is already well integrated into the AEC industry. This includes smart phones, rugged tablets, digital displays, and the new Gear VR goggles. These technologies have added significant efficiencies to the design and construction processes. Together with these companies, Vimtrek provides automated visualization processes and hardware solutions such as Samsung Virtual Reality on the jobsite. You can learn more about how the construction industry is using this technology by [registering for our free report here](#).