

Specialty Revit Add-In Taking Construction Projects to Warp Speed

By: Amanda Comunale, Victaulic

Construction projects are commonly fraught with challenges, from site issues, to permitting, to coordinating trades and executing on schedule. These challenges are compounded when the schedule is tight and are complicated even further when a company may be contracted to a project that is already underway. In today's environment, the construction industry is exploring every option to streamline processes and deliver greater productivity.

BIM is allowing companies to establish and sustain best practices, reduce bottlenecks and delays, enhance productivity and improve the bottom line. As BIM continues to shift the way the construction industry approaches project planning and execution, Victaulic Tools For Revit® (VTFR) provides industry-leading software solutions that are redefining timelines, milestones and efficiencies for MEP projects.

VTFR Makes Projects Faster from the Start

Purposefully designed to improve productivity while working in the specialty BIM software suite known as Autodesk® Revit, VTFR features enhanced routing tools and an innovative platform that brings fabrication into Revit for the first time. In doing so, VTFR empowers BIM users to deliver optimal efficiencies from preliminary design through construction.



Users can design smart models in half the time, modify designs with a single click and create fabrication drawings and bills of material without leaving Revit. Equipped with more than 100 Victaulic product families, the tool enables users to route with Victaulic content or with other manufacturers' content to seamlessly create fully integrated assemblies. Loose parts are never omitted, and fabrication spools can include labor estimates and manufacturer information.

VTFR also integrates well across software platforms, enabling communication, and real-time collaboration and decision-making which deliver enormous efficiencies. For example, scanned images from the Faro scanner can be imported for design, routing and modification during preconstruction. Then, users can directly connect the resulting model with the fabrication shop.

A recent customer survey released from Victaulic revealed users who downloaded the Victaulic Revit add-in noted experiencing approximately 40% efficiency gains in spooling, 25% efficiency gains in model creation and 60% efficiency gains in fabrication prep.

Because VTFR supports all versions of Revit and is continually developed and upgraded, engineers and contractors can more effectively achieve their BIM construction project goals.

VTFR is Making a Positive Global Impact on Construction Projects

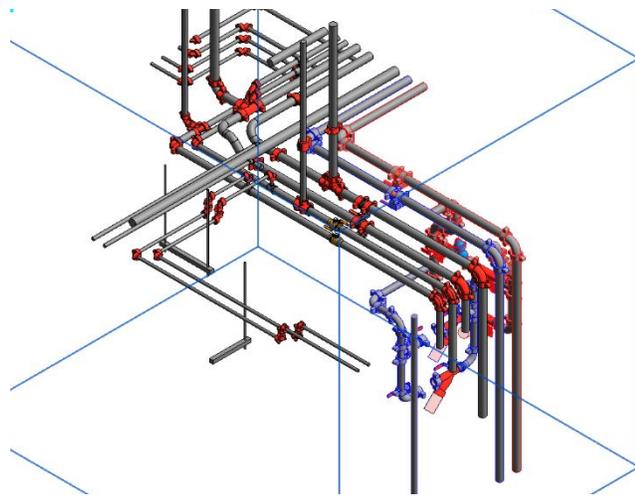
PML Professional Mechanical Ltd., a leader in building systems in Western Canada, realized economies immediately when it replaced its cumbersome 3D piping design software with VTFR.

Before switching to the Victaulic software, each spool page took approximately 15 minutes to generate. Using VTFR designers can generate a page in only five minutes, increasing productivity threefold.

The capabilities of the software in conjunction with the Victaulic product family continues to deliver considerable value for PML on the 1661 Davie Street project in downtown Vancouver - a two-tower development connected by a three-story retail space that will feature a new Safeway, liquor store and other retailers.

Using VTFR, spool drawings for the third and fourth floor ring mains were modelled using Victaulic fittings and QuickVic™ couplings. .

The drawings, which were sent to the job site, enabled the installation crew to precisely cut the pipe and rapidly install the system using Victaulic product. Compared with some initial piping sections in this system that had to be welded, the floor was completed in one-quarter of the time.



In the United States, VTFR also has recently made a splash in construction projects. Poole and Kent Corporation, a contractor with seven decades of experience, was responsible for the fast-track installation of the heating, ventilation and air conditioning (HVAC) infrastructure at 414 Light Street, the tallest residential building in Maryland.

After taking over the project from another mechanical contractor, Poole and Kent were brought in six to eight months later than normal. They needed a design partner and

software solution to assist with pre-construction modeling. And with a 10-month deadline looming and only 65 days to complete the penthouse mechanical room, moving quickly to the fabrication stage was critical.

VTFR expedited the drawing and coordination process so Poole and Kent could begin fabrication and get caught up with the schedule. Working with the Victaulic add-in software, teams created models within a tolerance of 1/16 inch. The software made file transfers between Victaulic and Poole and Kent seamless, which streamlined the preconstruction process. Coordination and



collaboration were quick and enabled the teams to identify and prevent several potential issues during the drawing process.

Victaulic and its Revit toolbar helped provide timely drawings and material spools that the contractor used to get the material cut, packaged, labeled and ready for the jobsite. The mechanical room was successfully completed in just 50 days in the field, making a positive impact on the build schedule.

The Future is Bright

With customer success at the heart of its innovation, Victaulic's pioneering BIM software leverages the company's experience and expertise to deliver a powerful design and simulation tool that enables fast and reliable construction through seamless collaboration among project teams. As the industry evolves, so will VTFR to maintain its leadership position among Revit add-in software.