



PETERSON MECHANICAL

Automate workflows and enhance content libraries
with features like spooling and hanger automation.

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OVERVIEW

Founded by Ed Peterson in Sonoma, CA, Peterson Mechanical has been a leading name in plumbing and mechanical contracting for over a century. From its humble beginnings, the company has grown to serve the entire Greater Bay Area, building a reputation that stands for meticulous, quality craftsmanship.

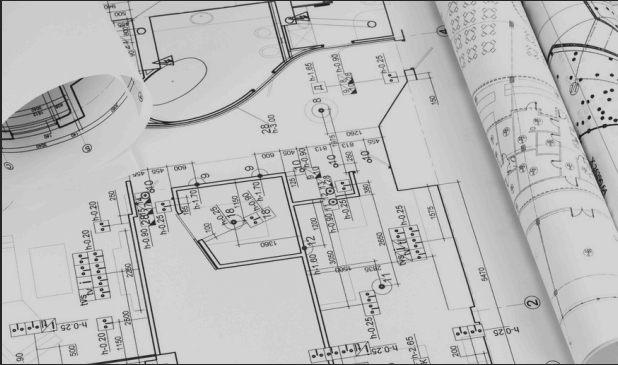


BACKGROUND

With more than 130 highly skilled laborers on staff, Peterson Mechanical is known for tackling projects of all sizes, from small residential installations to largescale commercial builds.

By exploring the latest technologies, construction strategies, and operational systems, they ensure that each project is completed with the same attention to detail and quality that has defined their name for generations.

THE CHALLENGE



In 2021, Peterson Mechanical was relying on AutoCAD for their BIM designs. For years, AutoCAD was considered the premier software for MEP. However, as the construction industry's needs evolved, AutoCAD started showing limitations. It struggled in handling complex, data-rich models.

Designers were wasting hours staring at a loading screen. AutoCAD also had incredibly limited collaboration features. Sharing projects took ages, causing stalls throughout the project timeline.

As AutoCAD became outdated, Peterson Mechanical turned its attention to Autodesk Revit.

Revit was built with BIM in mind from the ground up. It allowed for intelligent modeling, as well as easier data extraction and sharing. All of which leads to superior accuracy, coordination, and collaboration.

While Revit provided significant improvements, it still lacked the MEP-specific features needed for tasks such as spooling, hanger placement, and other mechanical and plumbing workflows.

Not to mention, making the switch to Revit had the potential to put a stoppage on all BIM. Many years of content, projects, elements, assets and reporting all had to be moved to Revit.

It would take time away from the BIM team's modeling tasks, which ultimately would eat away at financial resources and slow down ongoing projects.



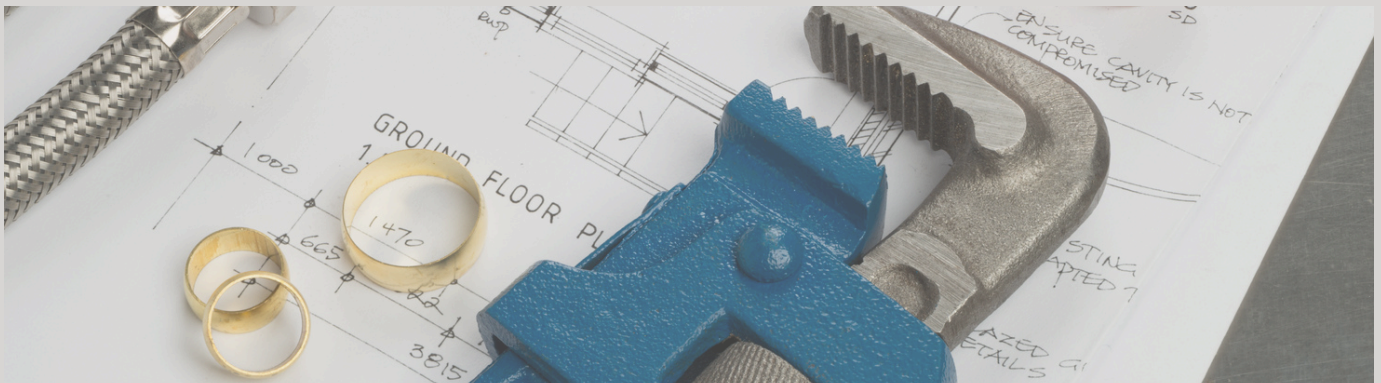
Peterson Mechanical partnered with EVOLVE to accelerate their transition to Revit. They wanted to leverage EVOLVE Mechanical's powerful features for mechanical modeling while ensuring a smooth and efficient switch from AutoCAD.

THE SOLUTION

Larry Williams, Director of Technical Services for Peterson Mechanical explains, “We transitioned to Revit and EVOLVE at the same time, which was a significant change from AutoCAD.”

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“One key reason we chose EVOLVE is that we could bring our own database of ITM files over from AutoCAD to Revit. We’re using a lot of custom parts, which made the transition easier. The other programs we looked at, we had to use their materials or their items rather than being able to use our database. With EVOLVE we could use the ITM files we had already created.”



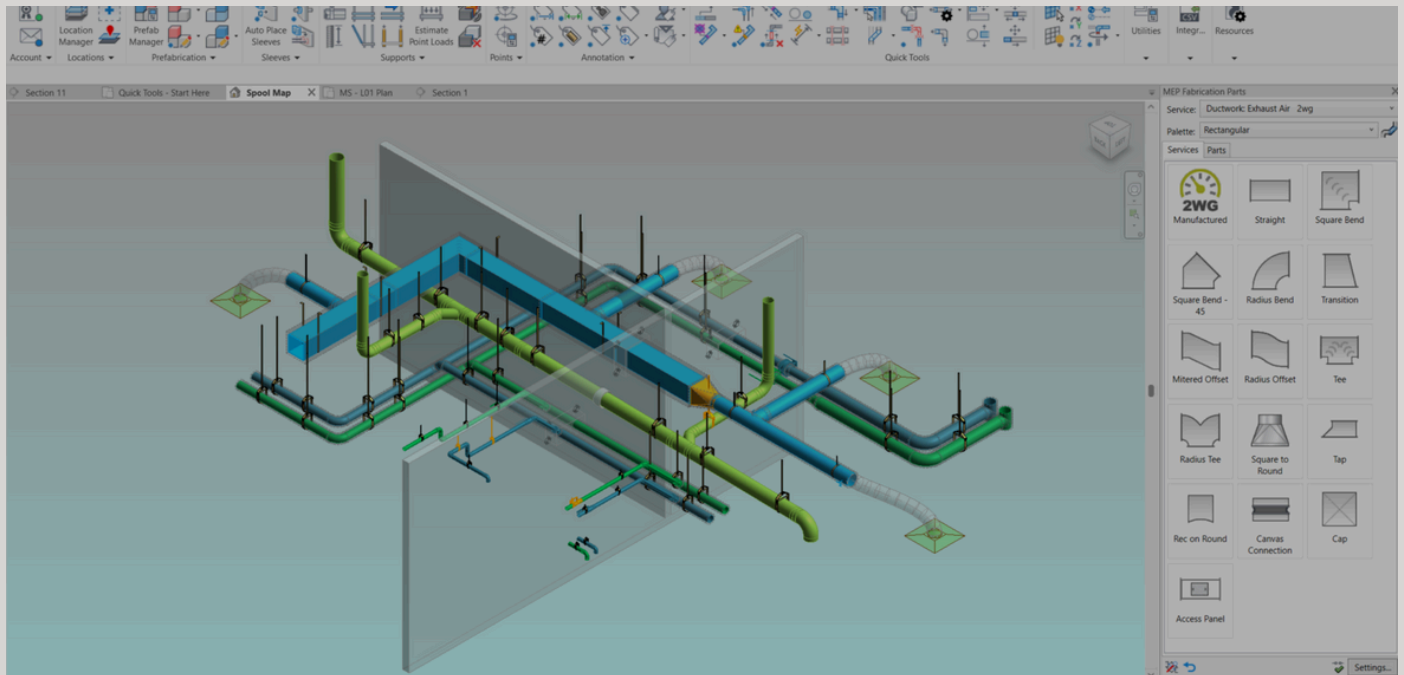
By helping Peterson with the transition to Revit, their teams were able to minimize downtime during the transition to Revit and keep projects moving forward.

Combining Revit with EVOLVE also meant access to powerful features specific to mechanical and plumbing design, that improve project efficiency and coordination. Larry shared that, “We use EVOLVE every day, it's become a core part of our workflow.”

With EVOLVE's suite of features, the Peterson Mechanical design team saved hours on repetitive modeling tasks.

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“Spooling is a critical feature we use every day,” Larry says, “It's largely automated in EVOLVE, which saves us time. We also use the automated hanger placement. It allows us to input our spacing and types of hangers, which is very helpful. We're also diving into the reporting features now.”



Once Peterson Mechanical was up and running with Revit, they found many helpful resources from EVOLVE that went beyond the software. Larry explains, “EVOLVE University and the office hour webinars have been incredibly helpful. I try to attend as many as I can to fill in knowledge gaps. It's great to see features demonstrated in real-time instead of figuring it out on your own.”



We had looked at other programs, but they just weren't as robust. We now use EVOLVE every day, it's become a core part of our workflow.

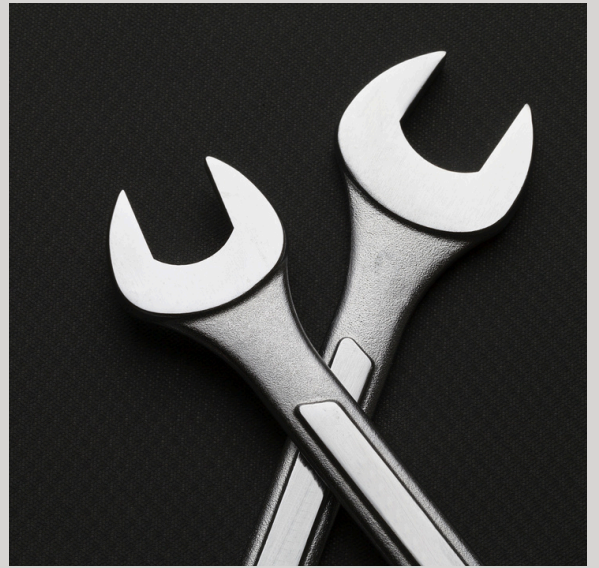
Larry Williams

Director of Technical Services for Peterson Mechanical

WORKING WITH EVOLVE

EVOLVE was designed by contractors for contractors. It was created to fill the gaps in Revit by introducing a suite of tools tailored specifically for MEP professionals.

With automated workflows, enhanced content libraries, and features like spooling and hanger automation, EVOLVE quickly became indispensable for Peterson Mechanical.



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“EVOLVE plays a critical role in every project.” says Larry, “We’re using it for everything and continually working with EVOLVE, adding our two cents to make it work for us.”

LARRY WILLIAMS

DIRECTOR OF TECHNICAL SERVICES FOR PETERSON MECHANICAL

THANK YOU!

Inspired by Peterson Mechanical's success story?
Get in touch with us to start your journey toward
outstanding results.



Contact us!