

A large industrial workshop with a worker welding a large pipe. The worker is wearing a blue jacket, a cap, and safety glasses. He is using a welding torch on a large, horizontal metal pipe. In the background, there are various industrial equipment, including a large furnace, a welding station, and a storage area with many tools and materials. The floor is concrete, and the ceiling is high with exposed pipes and lights.

DEWALT



**CONSTRUCTION
TECHNOLOGY™**

**CASE STUDY:
BASSETT MECHANICAL
POWERING THE
FUTURE OF
FABRICATION**





“MSUITE has completely changed the manufacturing game for us,”

TYLER PETERSON

VP of Manufacturing
Bassett Mechanical



POWERING THE FUTURE OF FABRICATION WITH MSUITE FAB AND BIM SOFTWARE

A DEWALT® CASE STUDY

- **COMPANY:** Bassett Mechanical
- **INDUSTRY:** Industrial Refrigeration, HVAC, Plumbing, Building Automation & Controls, Metal Fabricating, and Service Solutions
- **LOCATIONS:** Wisconsin and Minnesota
- **KEY CONTACT:** Tyler Peterson, VP of Mfg.





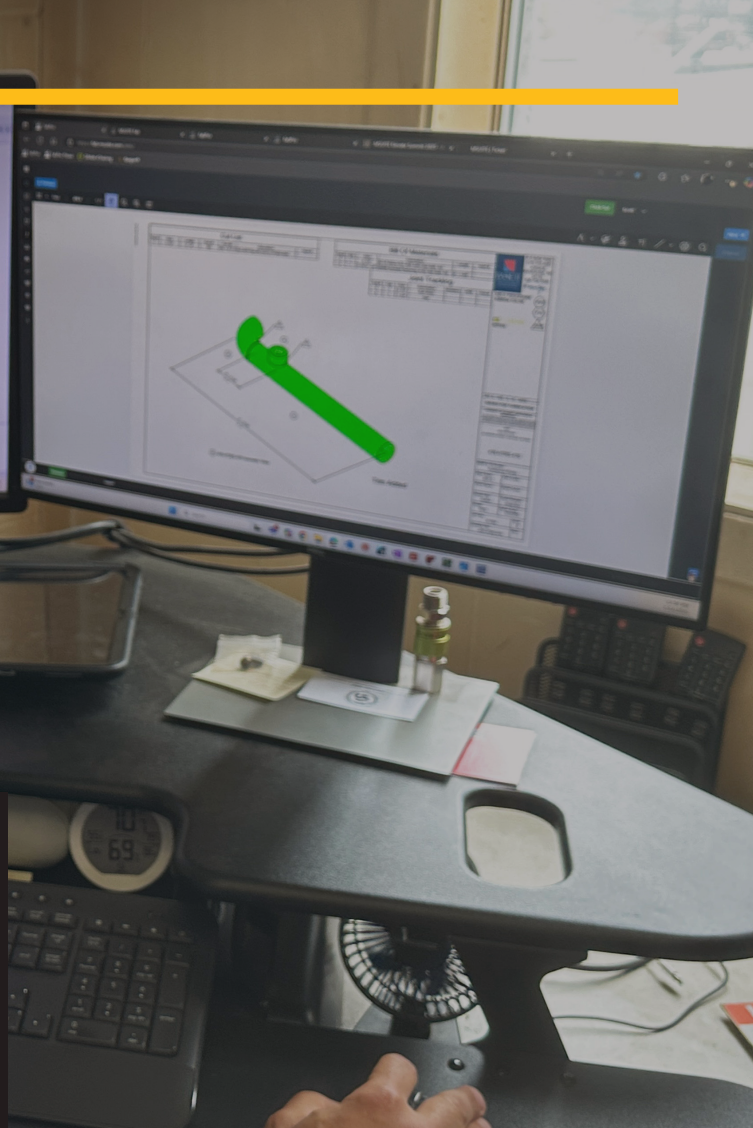
OVERVIEW

Bassett Mechanical, a leading provider of custom-built industrial refrigeration, HVAC, plumbing, metal fabrications, and service solutions, has a long-standing commitment to innovation and quality.

To further advance their fabrication processes, Bassett adopted MSUITE's FAB and BIM software, positioning themselves at the forefront of technological innovation in the construction industry.

THE RESULT?

Increasing efficiencies and streamlining shop operations with real-time data.



CHALLENGES BEFORE ROLLING OUT MSUITE: MORE COMPLEX FABRICATION

As fabrication demands grew more complex, Bassett Mechanical needed a solution to increase shop efficiency, reduce errors, and provide real-time visibility into their fabrication workflows. Their goal was to streamline operations from design through production, ensuring projects stayed on schedule and within budget while maintaining their high-quality standards.

THE SOLUTION: MSUITE BIM AND FAB

Bassett selected MSUITE BIM and FAB to transform their workflows digitally. These tools offered powerful capabilities that aligned with their goals:



Enabled seamless coordination between design and fabrication, enhancing Bassett Mechanical's ability to deliver precise, constructible models directly to the shop floor.



Streamlined shop management, providing a centralized platform for tracking production progress, material status, and labor productivity involved with fabrication and throughput.

“By going digital with MSUITE FAB, we’ve reduced the manual processes of administering work—less printing, copying, scanning, and moving documents around the shop. We now have real-time visibility into project status, welder IDs, and heat numbers.”

TYLER PETERSON

VP of Manufacturing
Bassett Mechanical

MSUITE IMPACT ON PRODUCTION

Since implementing MSUITE, Bassett Mechanical has seen dramatic gains in production output. By automating previously manual processes and delivering real-time data to the shop floor, the team can focus more on building and less on administrative coordination. These improvements have allowed Bassett to take on more complex projects with confidence, knowing they have the tools to deliver on time and at a higher level of quality.



KEY RESULTS & IMPACT

- **STREAMLINED COMMUNICATION**
- **REDUCED BOTTLENECKS**
- **DIGITAL DOCUMENTS & WORKFLOWS**
- **AUTOMATED FABRICATION TOOLS**
- **SOFTWARE SYNERGY (BIM, FAB, TOOLS)**
- **ENHANCED TRACEABILITY**

“MSUITE has completely changed the manufacturing game for us,” says Mr. Peterson. “By digitizing our workflows and automating key processes, we’ve achieved levels of efficiency and accuracy that were previously unimaginable. It’s a transformative tool that has truly elevated our operations.”

FROM MANUAL TO MODERN

Transitioning from manual workflows to MSUITE's modern digital platform has been a game-changer for Bassett. Tasks that once required extensive paperwork, duplicate data entry, and manual tracking are now handled efficiently in real-time. This shift has streamlined communication between teams, reduced bottlenecks, and allowed for a more proactive approach to managing shop operations.

DIGITAL EVERYTHING

From drawings and schedules to timecards and QC documentation, the entire workflow is now digital, reducing errors and increasing efficiency.

AUTOMATED FABRICATION TOOLS

The CNC Angle Clipper, CNC Structural Profiler, CNC Pipe Profiler, and back gauge on Marvel saw—integrated with cutting software such as Procam and PypeServer—allow for direct export of cutting files from design files, automating cutting, punching, and layout tasks that were once programmed manually.

“MSUITE FAB has allowed us to get all our projects into one system, giving us the ability to track performance and analyze throughput by drawing, package, and workflow.”

TYLER PETERSON

VP of Manufacturing, Bassett Mechanical

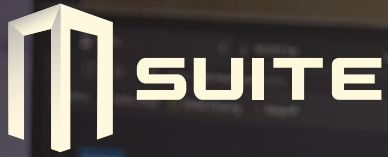
SOFTWARE SYNERGY

MSUITE BIM, a plugin to design software (Revit) and SpoolFab, generates spool drawings that integrate seamlessly with MSUITE FAB and CNC cutting software. On the vessel side, SolidWorks models are exported to isometric spool drawing software SpoolFab, eliminating manual take-offs, and can be directly imported to fabrication tracking software MSUITE FAB.

“For our VDC team, the tools make the transition from design to spooling incredibly efficient. MSUITE BIM has given our shop and field associates a better product.”

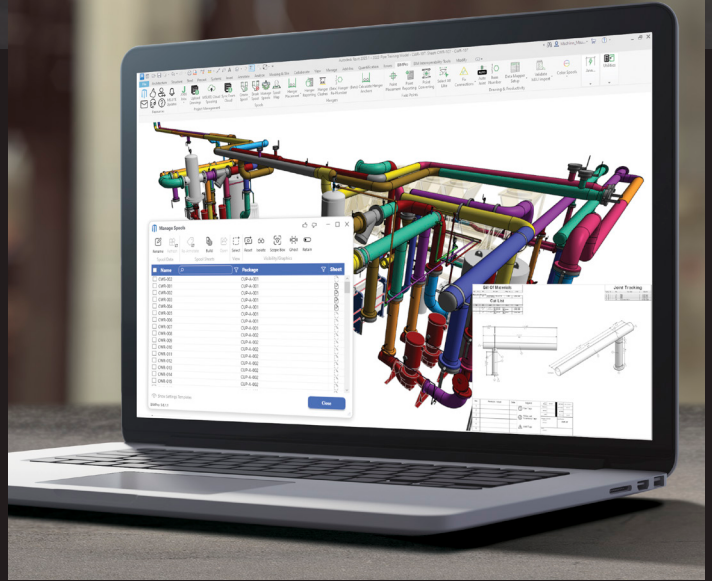
TYLER PETERSON

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IMPACT ON DOCUMENTATION

MSUITE has also transformed Bassett Mechanical's approach to project documentation. By centralizing drawings, material lists, and change orders within a digital platform, the software ensures that everyone—from engineers to shop floor staff—works from the most current set of plans. This has minimized confusion, reduced costly errors from outdated documents, and improved collaboration across departments. The enhanced transparency and traceability have streamlined audits and compliance reporting, saving time and increasing customer confidence.



“MSUITE has transformed how we manage the shop.”

TYLER PETERSON

VP of Manufacturing
Bassett Mechanical

KEY RESULTS

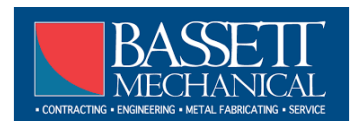
Since adopting MSUITE solutions, Bassett Mechanical has achieved measurable improvements:

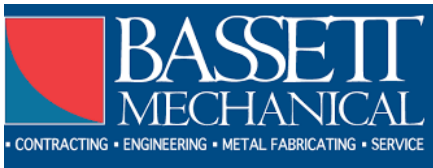
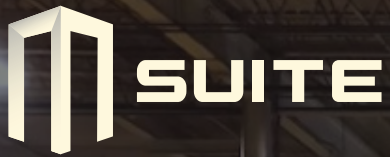
- **INCREASED EFFICIENCY:** Real-time updates and streamlined workflows have led to faster fabrication timelines.
- **REDUCED ERRORS:** Enhanced coordination between design and fabrication has minimized costly mistakes and rework.
- **IMPROVED VISIBILITY:** Shop floor teams and project managers now have access to live data, enhancing decision-making and overall productivity.

“We continue to push the boundaries of what’s possible in fabrication by leveraging MSUITE’s innovative technology.”

TYLER PETERSON

VP of Manufacturing
Bassett Mechanical





Whether you need industrial refrigeration, HVAC, plumbing, controls, metal fabrication, or service, your project is unique and requires a complete and customized approach. We listen to your goals, discover your challenges, and develop a solution that is completely tailored to you. We have the knowledge, qualifications, and full-service capabilities to bring your projects to life. Visit their website: bassettmechanical.com

See why millions of professionals choose DEWALT®. From our rich history and proven performance to our focus on innovation and technology. DEWALT® continues to design and optimize professional jobsite solutions-tools, accessories and service-to ensure absolute confidence for the toughest conditions.