

**DEWALT**



**CONSTRUCTION  
TECHNOLOGY™**

# **CASE STUDY: MIDWESTERN MECHANICAL TRANSFORMING FABRICATION**



**SUITE**





“ We didn’t just want software—we wanted a partner who would grow with us. MSUITE wasn’t just selling a product. They were listening, and making sure it worked for us in the **DESIGN OFFICE, FAB SHOP, AND FIELD.**”

**JOSH OLBERDING**

VDC Director  
Midwestern Mechanical, Inc.



## HOW MIDWESTERN MECHANICAL TRANSFORMED FABRICATION WITH MSUITE

### A DEWALT® CASE STUDY

- **COMPANY:** Midwestern Mechanical, Inc
- **INDUSTRY:** HVAC, Plumbing, Mechanical Fabrication
- **LOCATIONS:** South Dakota & Iowa (Sioux Falls, Sioux City, Spencer, Rapid City)
- **KEY CONTACT:** Josh Olberding, VDC Director







## OVERVIEW

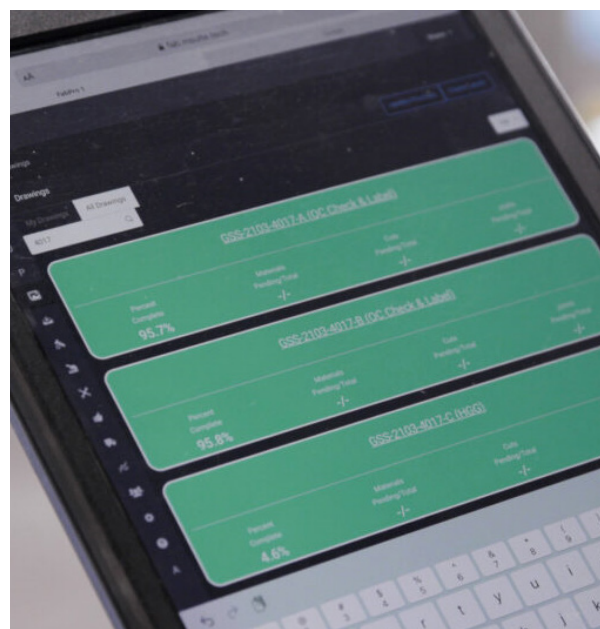
Midwestern Mechanical is a leading mechanical contractor specializing in HVAC, plumbing, and fabrication. With four locations across South Dakota and Iowa, they employ over 320 professionals, including a dedicated BIM team and a high-output fabrication shop.

Initially, Midwestern Mechanical struggled with inefficient fabrication tracking, disconnected workflows, and limited visibility into job progress.

They considered solutions several years ago but ultimately decided not to invest in fabrication software at the time. After reevaluating their approach, they gave MSUITE a shot—this time with proper training and support structure.

## THE RESULT?

A fully integrated workflow that has revolutionized their fabrication operations.



# CHALLENGES BEFORE ROLLING OUT MSUITE: SILOED DATA & INEFFICIENT TRACKING

Before MSUITE, Midwestern Mechanical relied on spreadsheets, Microsoft Teams, and scattered file folders for tracking work orders. This lack of a centralized system led to wasted time, frequent miscommunication, and inefficiencies.

“We had to dig through multiple locations to find the right information. Locating a single work order could take 15-20 minutes.” – Josh Olberding

# COORDINATION BREAKDOWNS BETWEEN BIM, FAB, AND FIELD

Fabrication and field teams often blamed design issues on the BIM department, but in reality, many issues stemmed from fabrication or installation. The absence of real-time insights made troubleshooting difficult.

“Everything was blamed on BIM. Once we implemented MSUITE, we realized many issues weren’t design problems—they were fab or field installation issues. MSUITE is designed to better align different departments. By having a single source of truth, there is no more blame game or finger pointing, just concrete data to understand where any inefficiencies may exist.” – Josh Olberding

# INITIAL SOFTWARE CHALLENGES & VENDOR LOCK-IN RISKS

When Midwestern Mechanical first explored digital solutions, they considered other products but found them rigid and early technology implementation challenges left them without a solution.

“ We were looking at other solutions but found that they locked you into specific workflows. MSUITE’S flexibility was a game-changer.”

**JOSH OLBERDING**

VDC Director  
Midwestern Mechanical Inc.



## THE SOLUTION: A CUSTOMER- DRIVEN PARTNERSHIP

After reconnecting with MSUITE, Midwestern Mechanical found a team eager to listen and adapt the software based on real-world feedback. This customer-driven approach resulted in tangible improvements in fabrication tracking, real-time project visibility, and enhanced workflow automation for Midwestern Mechanical.



## KEY RESULTS & IMPACT

### ■ FASTER WORK ORDER TRACKING

Reduced from 15-20 minutes to seconds with centralized access

### ■ ELIMINATED BIM VS. FAB MISCOMMUNICATION

Real-time insights improved accountability and reduced errors

### ■ DRAMATIC EFFICIENCY GAINS IN HANGER PLACEMENT

A 10-step process was reduced to one, saving hours per project

### ■ LONG-TERM SOFTWARE FLEXIBILITY

MSUITE's customer-driven development approach relies on customer feedback

“ The MSUITE team took our feedback, made updates, and showed us the changes. That was a game-changer.”

**JOSH OLBERDING**

VDC Director  
Midwestern Mechanical Inc.



# MSUITE'S GAME-CHANGING FEATURES



## DRIVING PRODUCTIVITY & STREAMLINED WORKFLOWS

- **ROTATE ELEMENTS:** Precision and control over model adjustments
- **REMOVE STRAIGHT:** Simplifies piping/conduit modifications
- **AUTO SPOOL:** Rapidly create assemblies
- **HANGER PLACEMENT:** Properly place hangers throughout model



These tools have streamlined our entire process, cutting rework and improving coordination. It's a huge difference in efficiency."

**JOSH OLBERDING**

VDC Director, Midwestern Mechanical Inc.



## SUBSTANTIAL TIME SAVINGS ON EVERY HANGER PLACEMENT

Previously, hanger placement required multiple adjustments and manual coordination. MSUITE streamlined this process into a single automated step, dramatically improving accuracy and efficiency.



It's like night and day. What used to take 10 steps now takes one"

**JOSH OLBERDING**

VDC Director, Midwestern Mechanical Inc.



## REVOLUTIONIZING FABRICATION TRACKING

- **ELIMINATED SCATTERED SPREADSHEETS** by centralizing work orders
- **ENABLED REAL-TIME STATUS UPDATES** making them accessible to all teams
- **PROVIDED INSTANT VISIBILITY INTO BOTTLENECKS** for faster decision-making



Now, we're ahead of the game. We know exactly what's happening in the fab shop at all times."

**JOSH OLBERDING**

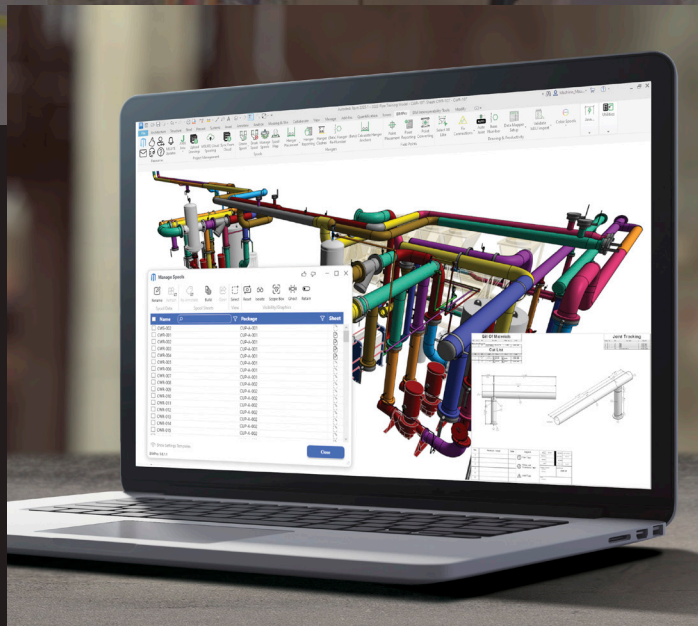
VDC Director, Midwestern Mechanical Inc.





## SUPERIOR TRAINING & ADOPTION

MSUITE's improved training was one of the biggest success factors in Midwestern Mechanical's reimplementation. Previously, training gaps led to inefficiencies. MSUITE's training team provided structured guidance the second time, significantly improving adoption.



“MSUITE ensured we understood the software inside and out. That alone made us significantly more successful this time.”

**JOSH OLBERDING**

VDC Director  
Midwestern Mechanical Inc.

## CUSTOMER- CENTRIC PARTNERSHIP

For Midwestern Mechanical, adopting MSUITE was more than just implementing new software—it was about building a partnership that would drive efficiency and innovation. Integrating MSUITE BIM, Hangers, and FAB eliminated inefficiencies, improved collaboration, and gained real-time visibility into fabrication workflows.

Interested in transforming your fabrication process like Midwestern Mechanical? Visit [MSUITE.com](https://MSUITE.com) to learn more.

“MSUITE has completely changed how we operate. It's not just software—it's a better way of working.”

**JOSH OLBERDING**

VDC Director  
Midwestern Mechanical Inc.







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Midwestern Mechanical, Inc. is an industry-leading company that offers superior plumbing, heating, and fire protection services. Since we opened our doors in 1983, our company has quickly earned a reputation for providing excellent craftsmanship, design, and service. We operate with a mission to serve and protect our customers, employees, vendors, and the general public through expert knowledge, quality work, and integrity on every plumbing, heating, or fire protection job. Visit their website: [www.midwesternmechanical.com](http://www.midwesternmechanical.com)

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