



CASE STUDY

Contract Manufacturer

For a leading contract manufacturer, the Industry 4.0 experts at Software InsITe were the ticket to getting their new 100,000 sq. ft. West Michigan facility set up to double their production line.



OVERVIEW

Upon winning a contract to build EV battery components for a large global manufacturer, a new facility was needed to meet the demand.

This leading contract manufacturer needed to ramp up production quickly, leaning on Software InsITe to bring their facility and existing equipment to life.

By applying Industry 4.0 practices, we were able to connect all of their production line equipment, streamlining operations, and creating a comprehensive view across the shop floor. This enabled them to control and track every piece of equipment.

CHALLENGE

This global manufacturer had bought a new facility, and they had new machines, but when they went to turn everything on — nothing happened!

Every extra day it took for this problem to be solved, the more pressure to begin production grew.

With around 8 different production line configurations needed over the course of a year, there was a significant amount of work needed to get the machinery connected.

And it needed to be done quickly!



616.359.6690



info@softwareinsite.com



[softwareinsite.com](https://www.softwareinsite.com)

ABOUT US

At Software InsITe we take a different approach to technology solutions, we're integrators focused on your business. We deliver manufacturers and distributors integrated solutions that will maximize productivity - no matter which part of the business it is for. We strive to optimize all supply chain operations and implement ERP solutions, giving our clients the insights they need to lead and succeed.



SOLUTIONS

With our vast experience integrating ERPs and our ability to adapt on the fly, we were able to help the manufacturer:

- Build the connected and agile production system they needed to meet the increasing demand.
- Build a control system to monitor and configure all of their manufacturing equipment and PLCs.
- Implement a labeling system that solved complex problems.
- Implement a fully automated lot tracking system that tracked each batch as it went from machine to machine, across all of their different lines.

BENEFITS

• Hands-off Manufacturing

At Software InsITe, we believe that if a process is repeatable, it should be automated, and that is what we achieved with this leading contract manufacturer. Through the use of automation, we were able to implement "hands-off manufacturing" that allowed this company to **double** the capacity of their production line.

• Simple Tracking

Another Software InsITe principle is that if a machine produces data, it should be measured. We were able to implement a process to optimize and automate workflows, process, and data reporting for maximum insights into the shop.

• Automated Quality Control

With automated quality control, this manufacturer is now able to track defective parts, including what machine they came from, why they happened, and when. This allows them to trace and limit the exposure to any possible manufacturing issues, and fix issues quickly as they occur.