



MANUFACTURING

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WHAT CAN INDUSTRY 4.0 TECHNOLOGIES DO FOR YOU?

To ensure Michigan's small and medium-sized manufacturers are prepared for the next phase of manufacturing, the Michigan Economic Development Corporation (MEDC), in partnership with the Michigan Manufacturing Technology Center (The Center) and Automation Alley, has launched its Industry 4.0 Signature Initiative. This initiative aims to generate awareness of Industry 4.0 opportunities among manufacturers while connecting them to the services and resources they need to successfully prepare for technology implementations, enabling long-term business growth and prosperity.

 **Automation Alley**

 **MICHIGAN ECONOMIC
DEVELOPMENT CORPORATION**

MICHIGAN

**MANUFACTURING
TECHNOLOGY
CENTER**

TECHNOLOGY TAILORED TO YOUR NEEDS

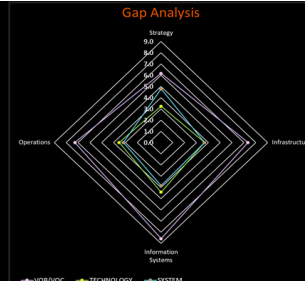
The Center is equipped to help your company proactively prepare for a more advanced future. Using our Technology Opportunity Assessment, our experts work with you in a hands-on, personalized capacity to enable your company to identify technologies that will provide maximum improvements and return on investment. Drawing from knowledge and experience with the many disciplines of Industry 4.0, The Center's experts help manufacturers understand how technology could aid in their business growth and assist with implementation.

ENGAGE IN AN OPPORTUNITY ASSESSMENT

The Center's two-hour Opportunity Assessment involves answering 40 quantitative and qualitative questions. Questions are related to the Voice of Business/Voice of Customer, Systems such as documented processes or standard work procedures, and Technology including any existing applications of automation in your facility. Drawing from data and information provided by your company, The Center assigns rankings to each response according to how strong your current practices are for each category, effectively highlighting the main opportunities for improvement.

Questions		VOB / VOC	TECH	SYSTEM
1	What is the company strategy for technology adoption?	10	5	5
2	Please outline the employee retention plan.	5	1	5
3	What is the plan for cascading communications within the facility?	5	1	1
4	Do opportunities exist to improve products and services through the inclusion of smart technology?	5	5	5
5	How is performance data tied to business results?	5	5	5
6	What procedures exist for securing cyber systems?	5	1	1
7	What types of mapping/simulation is used in your management model?	5	1	5
8	What is the role of employees in the improvement of products, processes and services?	5	1	5

VOB/VOC	CATEGORY	TECHNOLOGY	SYSTEM
6.2	Strategy	3.2	4.8
7.3	Infrastructure	3.7	3.7
8.6	Information Systems	4.4	3.9
7.3	Operations	3.5	3.2



ASSESSMENT SUMMARY REPORT

Based on the findings from the questionnaire and observations made during the assessment, we generate a summary report outlining opportunities for business improvement and increased efficiency.

PERSONALIZED IMPLEMENTATION PLAN

The Center is then able to create a unique and personalized plan for the implementation of technology within your facility. Identified opportunities are based on the needs of your business as well as greatest financial benefit to ensure an appropriate return on investment.

With expertise in project management, The Center can help establish an adoption strategy, scope the project, align suppliers with vetted resources and manage implementations to ensure business and customer needs are met.