



FIND A PATH TO

INDUSTRY 4.0

THAT MAKES SENSE

FOR YOUR BUSINESS

**YOUR INDUSTRY 4.0  
JOURNEY STARTS HERE.**

The Michigan Manufacturing Technology Center is equipped to help your company identify relevant and affordable technological solutions to eliminate your biggest problems. Using our Opportunity Assessment, The Center's 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.

**MICHIGAN**  
MANUFACTURING  
TECHNOLOGY  
CENTER

## TECHNOLOGY TAILORED TO YOUR NEEDS

*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.

TECHNOLOGY QUESTIONNAIRE				
QUESTIONS		VOB / VOC	TECH	SYSTEM
1	What is the company strategy for technology adoption?	10	5	5
2	Are processes managed as value streams or through silos?	5	10	10
3	How do you determine customer expectations?	1	5	5
4	How is performance data collected?	5	5	10
5	How involved are you in product design?	5	5	10
6	What types of mapping/simulation is used in your management model?	5	5	10
7	How is performance data tied to business results?	1	5	10

### 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.

POTENTIAL IMPACT									
METRIC	CURRENT STATE	FUTURE STATE	IMPROVEMENT	COGS LABOR	POTENTIAL SAVINGS	CASH CONVERSION	COST OF TECHNOLOGY	ROI	PAYBACK (Months)
Availability / Uptime	75%	85%	10%	\$ 975,880	\$ 97,588				
Maintenance / Repair	\$ 120,566	\$ 96,453	20%		\$ 24,113				
Scrap & Rework	\$ 91,746	\$ 73,397	20%		\$ 18,349				
Inventory Improvement	\$1,290,264	\$ 1,096,724	15%			\$ 193,540	\$ -		
					\$ 140,050	\$ 193,540	\$ 57,000	59%	4.88

### PERSONALIZED IMPLEMENTATION PLAN

The Center is then able to create a unique and personalized plan for technology implementation within your facility. Suggestions are based on identified opportunities for improvement and areas that could most benefit from technology adoption, complete with projected returns 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.*