

MICHIGAN

MANUFACTURING

TECHNOLOGY

CENTER

2026 NORTHERN MI CONSULTING & TRAINING SOLUTIONS

Build Your Custom Roadmap
to Success

- Consulting
- Training
- User Groups
- Supply Chain
- Funding Resources

CONTENTS

About Us	03
Collaboration	04
Consulting Solutions	06
Experience Driven Courses	18
Leadership & Team Skills	19
GD&T & Blueprint Reading	23
Supply Chain	23
Continuous Improvement & Lean	24
Quality Management	26
Artificial Intelligence (AI)	30
Consulting & Training Solutions Experts	32
Funding Resources	33
Registration	34



ABOUT US

Planning for Your Future Success

You are a small or midsize manufacturer building—or growing—your company’s legacy in Michigan. We’re a mission-driven organization with deep industry experience and the tools you need to compete and thrive. For decades Michigan Manufacturing Technology Center (MMTC) has helped thousands of small and midsize manufacturers achieve even greater efficiencies, quality, and profitability. No matter where you are on your journey, we can work with you to develop a custom roadmap for long-term success.

MAKING AN IMPACT IN MICHIGAN

Michigan Manufacturing Technology Center is dedicated to empowering Michigan manufacturers to compete and prosper.

In the past year alone, 335 of our surveyed clients have:



Increased Sales
\$29.8M

New Investment
\$88.4M

Retained Sales
\$132.4M

Achieved
\$25.3M
in Cost Savings

Created & Retained
3,285
Jobs



COLLABORATING ACROSS OUR STATE

MMTC is proud to have locations throughout Michigan to ensure every small and midsize manufacturer can access critical services and support. MMTC provides solutions and training for manufacturers in a range of sectors, including:



Defense



Aerospace



Automotive



Mobility



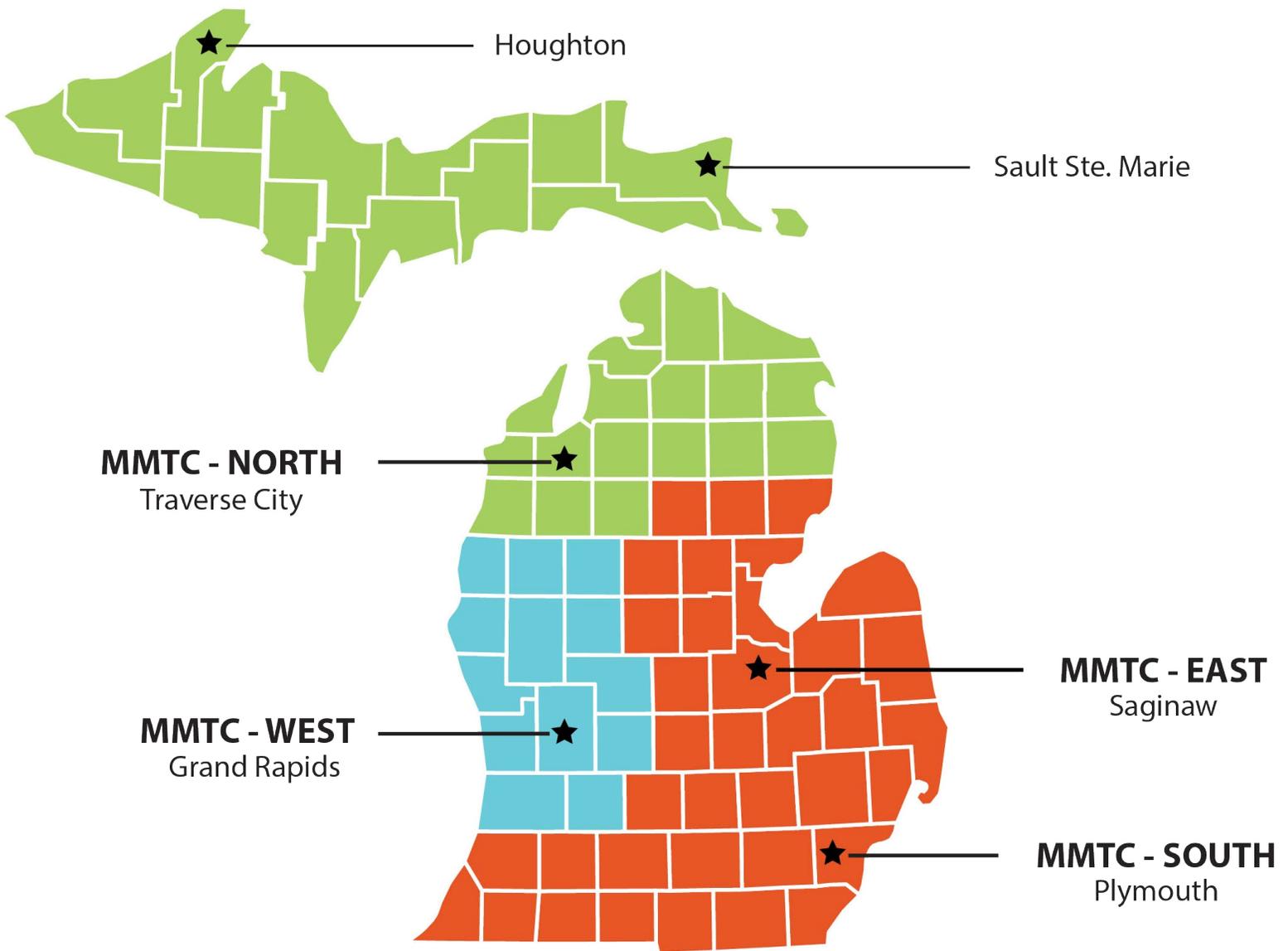
Food
Processing



Healthcare



Specialty
Industries



THE MMTC APPROACH

Whether you are tackling an operational issue, expanding into a new sector, or earning a key certification, MMTC provides hands-on, flexible access to the insights, solutions, and tools that propel companies forward.



On-Site Consulting: Our industry experts come to you for a firsthand look at the challenges and opportunities facing your company. MMTC is a leading provider of on-site solutions, services, and support to Michigan's manufacturing industry.



Custom Roadmap Creation: Following a structured assessment of your business, we provide a comprehensive plan to enhance your operations and achieve your company's goals. MMTC brings decades of industry experience in diverse manufacturing sectors to every engagement.



Virtual & In-Person Learning: Join us virtually from the comfort of home or at one of our statewide training locations for in-demand, affordable, and industry-recognized training and certification programs. MMTC is certified as an IACET educator and the majority of our courses are approved for state and federal funding programs.



CONSULTING SOLUTIONS

During every consulting engagement, our Solutions Experts become an extension of your team, providing the support you need to overcome challenges and achieve your goals. Together, we assess your current state and develop a roadmap for the future that aligns with your priorities and budget.

- Workforce, Leadership & Project Management
- Strategic Planning
- Supply Chain
- Sales & Marketing
- Data Analytics
- Operational Excellence (Lean, Six Sigma, Quality)
- Technology & Digital Transformation
- AI Applications

Visit www.the-center.org/Contact-Us to start your business transformation!

WORKFORCE & LEADERSHIP

Every manufacturer faces workforce challenges—whether it’s attracting talent, reducing turnover, or preparing for leadership transitions. We help companies address these critical issues by building stronger cultures, developing future leaders, and equipping teams with the skills they need to thrive. Our approach is tailored to your specific business goals, challenges, and team dynamics. **MMTC works one-on-one with you to develop strategic and personalized workforce solutions, including:**



Leadership Development: Create confident, capable supervisors and managers who establish a positive workplace culture and drive results.



Business Transition Strategies and Succession: Ensure business continuity, prepare future leaders, and reduce knowledge loss with our systematic approach.



Employee Retention: Develop a workplace that promotes recruitment, retention, and job satisfaction by strengthening culture and encouraging engagement.



Career Pathways & Skills Mapping: Establish developmental career pathways that reward commitment and help employees envision a long-term future.



Organizational Culture & Change Management: Communicate and demonstrate company values in policies and procedures, and plan for effective change management to reduce turnover.



LEADERSHIP USER GROUP

Join our monthly Leadership User Group—an exclusive peer-to-peer virtual forum for leaders to share challenges, exchange strategies, and learn from each other. Facilitated by one of our seasoned experts, each session offers practical insights, guided discussions, and actionable takeaways to support leadership growth and continuous improvement. Sessions are held at MMTC Plymouth location.

“MMTC’s dedication and expertise addressed our organization’s training needs, equipped our team with vital skills, and instilled confidence in our employees. Thanks to MMTC, we are now better positioned to continue growing as a company.”

- Nic Tarzwell, Chief Technical Officer, Eagle Alloy

STRATEGIC PLANNING

Strategic planning helps manufacturers systematically plan and prioritize key company goals and objectives. Using Hoshin methodologies, MMTC creates actionable plans from your long-term vision, driving results across all teams and organizational levels. MMTC collaborates directly with company leadership and staff to develop customized strategic plans that deliver:



Alignment & Action: Ensure leadership, operations, and front-line teams are working toward the same priorities.



Focused, Measurable Goals: Concentrate efforts on a few critical objectives with clear accountability.



Stronger Financial Performance: Improve margins, capacity, and competitive position through strategic clarity.



Agility in a Changing Market: Review progress regularly and pivot quickly when needed.



A Culture of Execution: Reinforce accountability, transparency, and continuous improvement at every level.

Start the strategic planning process or enhance your current plan—get in touch with your Business Solutions Expert at the-center.org/contact-us



“Companies with documented business plans grow 30% faster than those without them.”

- Journal of Management Studies

DATA ANALYTICS

Advanced technology tools gather more manufacturing data than ever, and data analytics can help manufacturers transform these raw elements into actionable insights. We work with you to build practical, scalable data analysis systems that align with your goals, resources, and stage of maturity. **MMTC provides personalized data analytics support that drives business success, including:**



Process Measurement and Performance Tracking: Define metrics, collect, analyze, and report data for continuous improvement.



Dashboard and KPI Development: Identify KPIs, create dashboards and reports for progress tracking and decision-making.



System Selection and Enhancement: Select data analysis tools that align with business needs and scale.



Integration of Digital Tools for Real-Time Visibility: Recommend tools for enhanced production visibility and prompt responses.



Data-Driven Decision-Making Support: Analyze critical data for informed decisions at all organizational levels.

Use data to reach your goals—get in touch with your Business Solutions Expert at the-center.org/contact-us



“

“Nearly ½ of manufacturers have invested in sensors or other technologies capable of gathering data, yet just 20% have the data analytics tools necessary to derive insights from their data.”

- Business Wire

CONNEX: LOCAL SOURCING

MADE SIMPLE



CONNEX™ Michigan provides a ***direct link between local manufacturers and suppliers.*** Find best-fit suppliers or opportunities with filters including equipment, capabilities, services, certifications, location, and more. Access CONNEX™ Michigan's growing list of ***over 1,000 verified suppliers with a free account.*** Request an account at the-center.org/CONNEX.

SUPPLY CHAIN

Every manufacturer faces workforce challenges—whether it’s attracting talent, reducing turnover, or preparing for leadership transitions. We help companies address these critical issues by building stronger cultures, developing future leaders, and equipping teams with the skills they need to thrive. Our approach is tailored to your specific business goals, challenges, and team dynamics. **MMTC works one-on-one with you to develop strategic and personalized workforce solutions, including:**

Supplier Scouting and Vetting:

Identify ideal suppliers and connect with new opportunities. MMTC was the first industry partner to offer supply chain matchmaking services to small and midsize manufacturers. We combine manufacturing expertise and our vast network of manufacturers to connect you with the right company at the right time.

Costing and Make-vs-Buy Analysis:

Assess costs, quality, and production methods to determine in-house manufacturing feasibility.

Market Intelligence and Competitive Benchmarking:

Understand your market, strengths, and weaknesses to optimize and market products.

Risk Assessment and Supply Chain Mapping:

Visualize potential disruptions, gauge impacts, and develop mitigation strategies.

Reshoring and Domestic Sourcing Strategy:

Locate domestic suppliers and create sourcing strategies for reshoring efforts.

Register for courses today at education.the-center.org.



TECHNOLOGY & DIGITAL TRANSFORMATION

A digital revolution is underway in manufacturing, and companies must adopt digital tools to grow and stay competitive. MMTC helps manufacturers identify and implement high-impact, scalable digital solutions, boosting efficiency, visibility, and decision-making for small and midsize businesses.

MMTC provides personalized insights and tailored consulting for a successful digital transformation, including:



Technology Adoption: Determine the best advanced technologies to meet your operational needs with our free Technology Opportunity Assessment. MMTC provides a summary report and personalized implementation plan with budget-aligned recommendations. We can also develop adoption strategies, identify funding/suppliers, and assist with implementation.



On-Site Technology Trials and Training: Conduct manufacturing feasibility assessments, proof of concept/try before you buy, and training and support to develop in-house programming and integration capabilities.



Data Collection & Visualization: Transform real-time production data into visual dashboards, charts, and heat maps to optimize operations, boost collaboration, and inform decision-making.



Connected Machines & IIOT: Use Industrial Internet of Things technology for real-time data collection, analysis, and continuous monitoring, allowing rapid identification of mechanical breakdowns, quality issues, and safety concerns.



Cloud-Based Systems: Adopt or expand cloud-based infrastructure for scalable computing resources, software, and data access.



Digital Work Instructions: Replace paper procedures with digital, interactive guides that offer more personalized and responsive training.



Cybersecurity Readiness: Implement robust cybersecurity programs to protect digital assets and proprietary data, including compliance with DoD and other stringent standards.

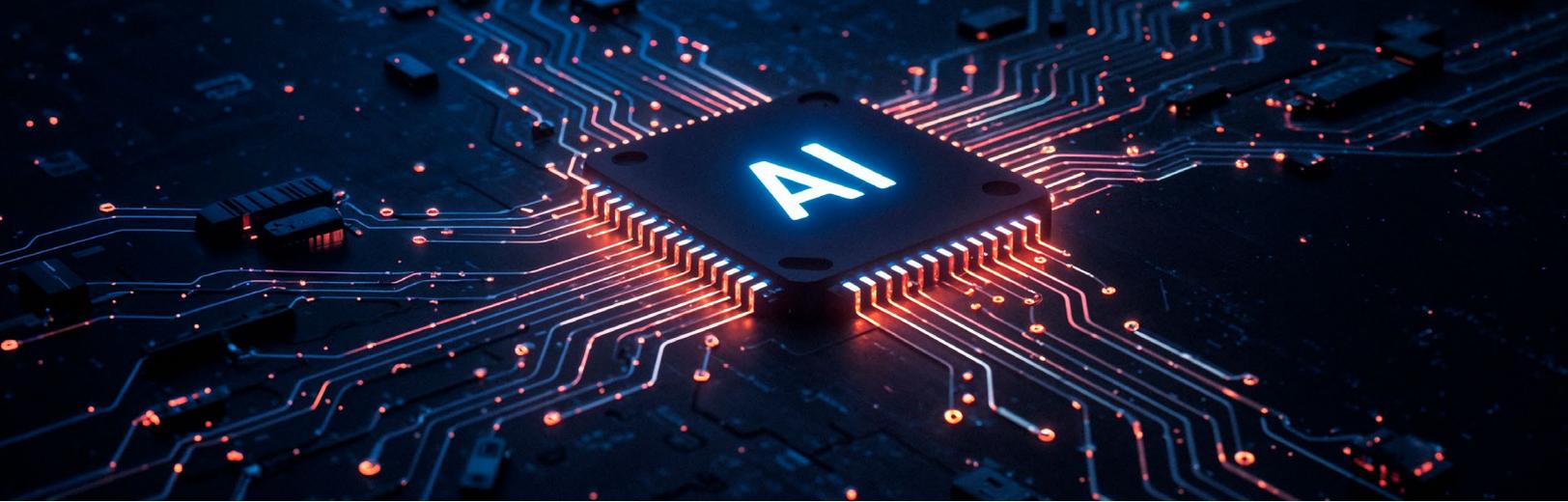
Learn more about the latest technologies and get personalized implementation insights at our **Technology & Innovation Expos** held statewide. To find an event near you or to get started on your technology journey, visit education.the-center.org.

OPERATIONAL EXCELLENCE

MMTC leverages world-class methodologies like Lean and Six Sigma to meet the unique challenges of small to midsize manufacturers. We build reliable, streamlined systems to combat production delays, safety issues, quality concerns, high scrap rates, and more. Working together, we help companies reduce waste, improve flow, maintain quality, and make lasting positive changes to their operations. ***MMTC provides customized consulting plans to enhance critical areas of operational impact using strategies and best practices that include:***

- ▶ **Lean Implementation & Value Stream Mapping:** Apply Lean techniques, Kaizens, and digital value stream mapping to identify inefficiencies and create faster, more efficient systems.
- ▶ **Root Cause Analysis & Problem Solving:** Conduct data-driven analysis to identify the “why” behind problems and provide corrective measures.
- ▶ **Quality Systems Support:** Develop and implement quality management systems, prepare for ISO 9001, ISO 14001, AS9100, or IATF16949 certification, food safety compliance, and environmental quality standards.
- ▶ **Workplace Organization (5S) & Visual Management:** Use Lean methodology for clean, efficient, and intuitive work environments, providing tools and training for long-term 5S optimization.
- ▶ **Safety & Risk Reduction Strategies:** Minimize hazards and strengthen safety culture, including developing safety visions, diagnosing challenges, and promoting a safety mindset. planning, and more.
- ▶ **Costing:** Gather and analyze accurate production cost data to support pricing, business management, supplier negotiations, strategic planning, and more.





AI APPLICATIONS

Strategically applied Artificial Intelligence (AI) can help lower operating costs, improve quality and consistency, enhance operational adaptability, and even promote recruitment and retention. MMTC helps manufacturers choose effective and affordable AI solutions that deliver results. **MMTC provides personalized recommendations and implementation support for AI applications, including:**

PREDICTIVE MAINTENANCE:

Leverage artificial intelligence and machine learning to analyze real-time production data, predict machine failures, and recommend proactive maintenance.

QUOTING:

Leveraging AI to accelerate quoting projects or obtain accurate quotes for materials.

VISUAL INSPECTION AI:

Integrate AI-powered visual inspection systems that analyze images and videos for defects or anomalies, increasing the speed, accuracy, and consistency of quality inspections.

PRODUCTION SCHEDULING OPTIMIZATION:

Leverage artificial intelligence and machine learning to analyze real-time production data, predict machine failures, and recommend proactive maintenance.

WORKFORCE ANALYTICS:

Enhance workforce planning, identify training needs, and predict staffing gaps by using AI to analyze past and present data.

Register for courses today at education.the-center.org.

***“AI is projected to increase manufacturing industry productivity by 40% or more by 2035.”
-Accenture***

SALES & MARKETING

MMTC helps manufacturers drive growth and stability through proactive, data-driven marketing. We analyze current sales, identify gaps, and uncover opportunities for greater success—from entering new markets to improving your digital presence or sharpening your sales processes.

Tailor your sales and marketing strategy to achieve your unique business goals. We advise on key growth drivers, including:

Website & Digital Presence:

Optimize your website to enhance visibility, promote trust, and clearly communicate services and capabilities.

Sales Process Development:

Create a structured sales approach from prospecting to close, with guidance on tools and training.

Social Media & Content

Strategy: Develop content strategies and utilize tools for brand awareness and audience connection.

New Market & Customer

Diversification: Target new markets and develop strategies for calculated growth, risk reduction, and stability.

QMS Gap Assessment for

Market Entry: Identify QMS gaps against market sector requirements and provide tools and training to meet demands.

“84% of people searching for manufacturing services say the internet is their starting point for finding a company, component, or service.”

-HubSpot



OUR

SERVICES

Michigan Manufacturing Technology Center (MMTC) is here to help your business excel. We offer personalized consulting services that will enable manufacturers to work smarter, compete and prosper. If you are interested in these services, please contact us at The-Center.org/Contact-Us or 231.995.2006.

STRATEGIC PLANNING & DEPLOYMENT

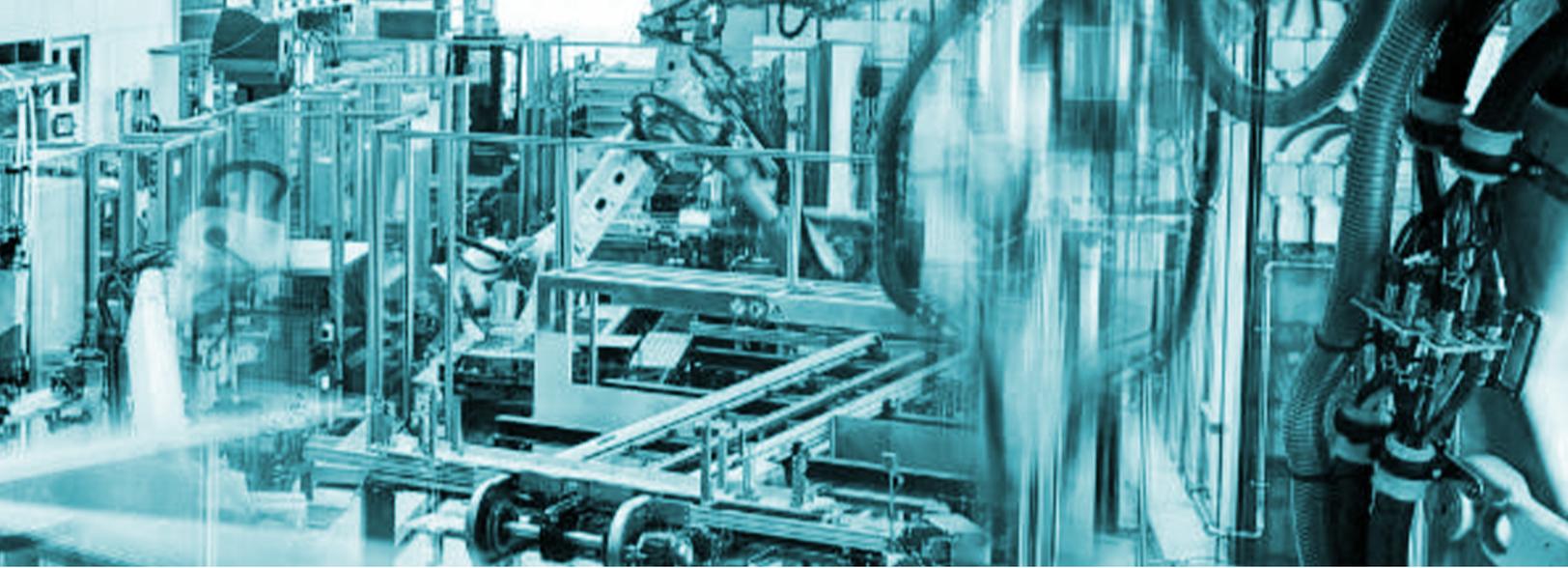


This 36-hour, interactive facilitation uses the Lean Methods Group approach with a set of tools allowing you to assess your organization's current state, set direction, and manage your path with visibility, engagement and accountability. Tools provide a controlled way to respond to strategic opportunities and market conditions; to create an environment of focused and open communication; and to provide visibility on metrics and enable better decision-making with less rework and waste.

PERFORMANCE BENCHMARKING



Competitive analysis is often performed when evaluating how an organization performs side by side to its competitors. At MMTC, we have an assessment called Performance Benchmarking which is just that, but for Michigan manufacturing organizations. This tool is only one part of a much larger assessment called the Transformation Planner. The benchmarking assessment compares your organization against other organizations in the industry. Here you can get a better understanding of where your strengths and weaknesses lie. This assessment well can also answer your questions like "What should we be doing?," "What are we doing right?" and "What could be improved?"



CONTINUOUS IMPROVEMENT GROUP

Develop a culture of continuous improvement and respect for people in their organizations. Within the group, members will grow personally as leaders in continuous improvement through the development of their capabilities, network and career. The growing membership of the CIG provides great networking and B2B opportunities. Members can attend top-notch training events with concepts that are directly applicable to the workplace. **CIG membership is \$450 annually and includes:**

- Two attendees per company
- Quarterly on-site events in both the Upper Peninsula and northern Michigan (open to all members)
- Four Continuous Learning Events (virtual or in-person learning activities combined with group planning/input meetings)

For questions, email Kevin Olds at kolds@the-center.org or Josh Billington at jbillington@the-center.org.

TRANSFORMATION PLANNER

Lowering costs and increasing profits while improving processes is what all manufacturing organizations strive to accomplish. However, understanding how to formulate a plan to make these goals a reality can pose many challenges. At MMTC, we have a staff of experienced consultants ready to help your organization create a manufacturing operational improvement process, known as the Transformation Planner. Not only does the Transformation Planner identify manufacturing operational improvement opportunities but helps to calculate the financial benefits based on current position and future targets.



EXPERIENCE-DRIVEN COURSES

Training is a key component of MMTC. Our instructors are practitioners first, gaining skills and knowledge from decades of hands-on experience with manufacturers and businesses in Michigan and beyond. ***Their capabilities span engineering, cybersecurity, leadership, quality management, supply chain, Lean and Six Sigma, and more.*** They facilitate interactive courses and certification programs on-site, virtually, and in custom formats to meet business training needs.

MMTC is an IACET-accredited training provider.

LEADERSHIP & TEAM SKILLS

COURSE NAME	DESCRIPTION	PRICE
Applied Project Management (40 hours) 	<p>This course will equip participants to effectively plan, execute, and monitor strategic initiatives. It provides a controlled way to respond to strategic opportunities and market conditions; creates an environment of focused and open communication; provides visibility on project metrics to enable better decision-making and customer service; and accomplish more with less rework and waste. This course meets the educational requirements to sit for the Project Management Professional certification exam.</p> <p><i>*In person or virtual learning available</i></p>	\$2,000/Person
DiSC (4 hours) 	<p>DiSC is a personal behavioral assessment tool used to improve work productivity, teamwork, and communication. DiSC is non-judgmental and helps people discuss their behavioral differences. The following topics are reviewed in this class: Appreciate four different work styles and their characteristics, identify participant's own behavioral style and team members' different styles using the DiSC model, and how to improve communication using DiSC.</p> <p><i>*In person or virtual learning available</i></p>	\$300/Person
Effective Meetings (4 hours) 	<p>Become a more competent and confident leader in this activity-based training on how to plan and run a productive meeting. Improve the effectiveness of meetings and increase the value they contribute to your team and organization.</p>	\$200/Person
Emotional Intelligence (8 hours) 	<p>Emotional Intelligence is a key ingredient in creating and sustaining a successful culture and working environment. Attendees will learn the three characteristics of Emotional Intelligence (EI), including self-awareness, self-management, and social awareness. Each of the characteristics will be examined in detail, providing participants with a clear understanding of each and a path to achieving EI.</p>	\$400/Person
Finance for Non-Financial Managers (4 hours) 	<p>Empower individuals to take action and improve the business by understanding financial impacts. This course exposes non-financial Managers to financial concepts that are relevant to managing any type of business. The key concept is that managers make daily decisions that impact the financial health of the business and therefore need to understand the basics of financial management.</p>	\$200/Person

 = LIVE, INSTRUCTOR-LED CERTIFICATE-ELIGIBLE COURSE

Prices are subject to change.

LEADERSHIP & TEAM SKILLS (CONTINUED)

COURSE NAME	DESCRIPTION	PRICE
Frontline Leader (In-person 16 hours) (Virtual 12 hours) 	<p>The Frontline Leadership Series is designed to build essential skills for growing leaders. Each session in the series builds upon the last and is developed to provide learners with an understanding of the techniques and concepts related to that subject area. This is achieved through lively discussion, relevant case studies, practice, and hands-on experiential activities designed to support the leader's daily workplace environment.</p>	\$1,100/Person
Get More Done (3 hours) 	<p>In this class, we will review the core principles in Getting Things Done: The Art of Stress-Free Productivity by David Allen, as well as the technologies that compliment his model. Get ready to start on a new path to effectiveness!</p> <p>*In person or virtual learning available</p>	\$200/Person
Leadership Development Series (25 hours) 	<p>This program is designed to meet the needs of developing leaders and supervisors with flexible content based on their organizational needs. It will help your leaders to become more competent and confident resulting in improved employee engagement, and satisfaction, a more productive workforce and reduced turnover. Following our Active Learning Model, learners practice new skills during class and reinforce them between sessions by applying their learning in the workplace through simple assigned tasks.</p>	\$1,500/Person
Myers Briggs Type Indicator (MBTI) (8 hours) 	<p>The Myers-Briggs Type Indicator (MBTI) is personal behavioral assessment tool designed to help individuals understand their own communication preference and how they interact with others. Having an awareness of what MBTI is can help you adapt your interpersonal approach to different situations and audiences.</p>	\$600/Person
Productive Conflict (4 hours) 	<p>Productive Conflict Profile is a personal assessment tool used to identify how individuals tend to behave when faced with conflict situations. This class helps participants recognize their style as well as others and provides tools to make conflict situations more productive. This non-judgmental profile helps people discuss their behavioral differences and adjust their responses.</p>	\$325/Person

 = LIVE, INSTRUCTOR-LED CERTIFICATE-ELIGIBLE COURSE

Prices are subject to change.

COURSE NAME	DESCRIPTION	PRICE
Team Building Activities 	Participants will strengthen their teamwork skills through engaging activities designed to highlight effective and ineffective team behaviors. These exercises promote collaboration and help build positive connections among co-workers.	<i>There are many options for you! Please contact us for pricing.</i>
Lean Hoshin Systems 	Lean Hoshin Systems is a systematic process that capitalizes on your single most asset, the talent of your people. Our process begins with reviewing or establishing agreed upon terminology to focus conversations, followed by creation or review of your Mission, Vision and Values. We engage stakeholders through various processes, which can include focus groups, surveys, facilitated sessions, SWOT analysis and routine check meetings depending on your organizational needs. We help you focus on three to five major strategies outlined in a one-page plan (A3 format). The overall strategic plan and related specific action plans or projects are vetted and then checked through a routine process of check meetings for continual update and recalibrating.	<i>Please contact us for pricing.</i>
Train the On-The-Job Trainer (8 hours) 	Retention and outcomes of organizational knowledge and skills can be dramatically improved by the method with which they are taught. This on-site training uses the six step Active Learning Model to create a hands-on learning environment. Our focus is on making your training more effective by building confidence in your staff's abilities to facilitate trainings.	\$600/Person
Train the Trainer (8 hours) 	Retention and outcomes of organizational knowledge and skills can be dramatically improved by the method with which they are taught. This course uses the six step Active Learning Model to create a hands-on learning environment. Our focus is on making your training more effective by building confidence in your staff's abilities to facilitate trainings.	\$600/Person
VIRTUAL: Train the Online Trainer (6 hours) 	Retention and outcomes of organizational knowledge and skills can be dramatically improved by applying the Active Learning Model to any type of training and coaching. This virtual training uses the six step Active Learning Model to create a hands-on learning environment. Our focus is on making your training more effective by building confidence in your staff's abilities to facilitate trainings.	\$600/Person

 = LIVE, INSTRUCTOR-LED CERTIFICATE-ELIGIBLE COURSE

Prices are subject to change.

LEADERSHIP & TEAM SKILLS (CONTINUED)

COURSE NAME	DESCRIPTION	PRICE
<p><u>Tooling U-SME Collaborative Training Programs</u></p>	<p>In our commitment to strengthen Michigan’s manufacturing industry, MMTC has partnered with Tooling U-SME to offer comprehensive and interactive professional development and workforce training solutions for manufacturing professionals at every level. From foundational learning in measurement and math to advanced concepts in technology and design, the MMTC/Tooling U-SME partnership provides results-driven training solutions for in-demand job roles. Self-paced, online classes take approximately 60 minutes each to complete.</p>	<p>ToolingU Subscription (10-Pack, 365-Day Subscription) - \$430</p> <p>ToolingU Subscription (25-Pack Day, 365-Day Subscription) - \$745</p> <p>ToolingU Subscription (90-Day, All Access Subscription) - \$375</p> <p>ToolingU Subscription (180-Day, All Access Subscription) - \$635</p> <p>ToolingU Subscription (365-Day, All Access Subscription) - \$1,015</p>

Prices are subject to change.



GD&T & BLUEPRINT READING

COURSE NAME	DESCRIPTION	PRICE
Blueprint Reading (16 hours) 	How to interpret a technical drawing is an essential skill to anyone involved in the manufacturing industry, especially prior to learning GD&T. This course is designed for those who need an introduction to drawing interpretation.	\$1,200/Person
Geometric Dimensioning and Tolerancing (GD&T) (16 hours) 	Need a basic understanding of GD&T? This course provides an overview of the GD&T system, proper identification and call out of datum features, and the effect of modifiers, especially MMC. Attendees will also learn how GD&T saves money over traditional tolerances and how to interpret the 14 symbols.	\$1,500/Person
Measurement Systems Analysis (8 hours) 	This interactive course equips participants with a mathematical method of determining how much the variation within the measurement process contributes to overall process variability.	\$400/Person
Statistical Process Control (8 hours) 	Equip participants with the knowledge and skills needed to complete basic Statistical Process Control activities. Discussions and exercises involving various variable and attribute charting, and the basics of chart interpretations are involved in this training.	\$400/Person

SUPPLY CHAIN

COURSE NAME	DESCRIPTION	PRICE
<u>Practical Approach To Supply Chain Management (16 hours)</u> 	Supply Chain Management is fundamental to business success, and how a company manages this process can directly impact business success. This course introduces fundamental material management tools needed for successful supply chains.	\$1,495/Person
<u>Virtual: Supply Chain Risk Management (4 hours)</u> 	This class gives students an overview of risk management concepts and philosophies while developing a real plan. Students learn the elements of a risk management program, the risk management process, and the tools to create a solid plan.	\$495/Person

CONTINUOUS IMPROVEMENT & LEAN

COURSE NAME	DESCRIPTION	PRICE
8D Problem Solving (8 hours) 	Establish a standard work process to increase the effectiveness of problem-solving efforts. Participants complete activities using a case study and real-life examples to receive their certificate.	\$400/Person
A3 Problem Solving (8 hours) 	Learn the tools necessary to tackle any problem that arises at your organization. This training is designed to give you hands-on experience utilizing a structured problem-solving process based on A3 thinking and the Plan-Do-Check-Act methodology. Designed for employees who are expected to participate in their organization's problem-solving activities or lead a problem-solving team.	\$600/Person
Lean Healthcare Practitioner (28 hours) 	This interactive course will equip participants to effectively implement Lean concepts in a healthcare setting where the work is done and to be an effective member of a Lean continuous improvement culture.	\$2,000/Person
Lean Manufacturing Champion With Kaizen (96 hours) 	This course will equip participants to effectively lead lean projects in their workplace. Participants directly apply their learning to mini projects in their workplace and complete an overall company project for presentation at course completion to gain their certification.	\$4,200/Person
Lean Manufacturing Practitioner (28 hours) 	This interactive course will equip participants to effectively implement lean concepts where the work is done and to be an effective member of a lean continuous improvement culture.	\$2,000/Person
Lean Manufacturing Practitioner to Champion Step-Up Certification With Kaizen (64 hours) 	For participants who have taken the Lean Manufacturing Practitioner, this course will equip participants to effectively lead lean projects in their workplace and therefore complete a Lean Manufacturing Champion certification as a "Step Up" program. Participants apply their learning to mini projects in their workplace and complete an overall company project for presentation at course completion to gain their certification.	\$3,200/Person
Lean Office Champion With Kaizen (96 hours) 	This interactive course will equip participants to effectively implement lean concepts where the work is done and to be an effective member of a lean continuous improvement culture.	\$4,200/Person
Lean Office Practitioner (28 hours) 	Equip yourself with the knowledge to effectively implement Lean concepts in an office setting where the work is done and to be an effective member of a Lean continuous improvement culture.	\$2,000/Person

COURSE NAME	DESCRIPTION	PRICE
Lean Simulation (MFG/Office/5S/Healthcare) (4 hours) 	This interactive course will equip participants to effectively begin a journey toward implementation of lean concepts. The course is conducted in a simulated work environment that will teach the origins of lean and how the methodology can drastically impact cultural and financial performance of an organization.	\$200/Person
Advanced Problem Solving: Lean Six Sigma Yellow Belt (24 hours) 	Lean Six Sigma Yellow Belt (LSSYB) training develops the skills of the professional who participates as a supporting team member in a variety of Six Sigma projects. Upon class completion, a LSSYB will understand the broad aspects and foundational elements of Lean Six Sigma methodology. Learn to implement, perform, interpret and apply Lean Six Sigma principles in a skilled, yet limited, context.	\$1,495/Person
Lean Six Sigma Green Belt (CEU Credits: 5.6) 	Lean Six Sigma Green Belt (LSSGB) training covers the application of established Lean and Six Sigma techniques to remove wastes, improve operational speed, lower costs, increase customer satisfaction, and promote efficiency and profitability. Culminates in an LSSGB certification upon the submission and approval of a Lean Six Sigma project report. Certification awarded upon passing of final test and completion of project.	\$4,495/Person
Value Stream Mapping Current & Future State (Mfg/Office) (16 hours) 	This program is an interactive facilitation and uses a case study and hands-on creation of a Current and Future State Value Stream Map (VSM). A VSM visually depicts the product flows and identifies where waste, errors, and delays occur allowing the team to develop a plan to remove these impediments to flow. It allows an organization to discover wasted time, steps, and activities in their current flow and develop a vision of improved material and information flows. <ol style="list-style-type: none"> 1. The purpose of the current state map is to develop capability to “see” the waste in a production process from raw material to finished goods. 2. The purpose of the future state map is to communicate a vision to guide improvement activities. 	\$800/Person

 = LIVE, INSTRUCTOR-LED CERTIFICATE-ELIGIBLE COURSE

Prices are subject to change.

QUALITY MANAGEMENT

COURSE NAME	DESCRIPTION	PRICE
<u>Virtual: 8D Problem Solving (4 hours)</u> 	This virtual course teaches the necessary problem-solving steps and how to avoid common mistakes. With discussions and interactive exercises, participants learn how to solve a problem through a process involving tools such as 5-Whys, Brainstorming, Fishbone Diagrams, and more.	\$495/Person
<u>8D Problem Solving Training & Application (16 hours)</u> 	Equip yourself with the skills needed to effectively apply the 8D Problem-Solving methodology to real-world challenges. Building on foundational tools such as 5-Whys, brainstorming, and fishbone analysis, participants will learn to identify, document, and eliminate root causes while developing permanent corrective actions.	\$995/Person Maximize your learning! Add an extra application day for only \$495/person.
<u>AIAG/VDA Process FMEA for Practitioners (CEU Credits: 1.4) (16 hours)</u> 	Equip yourself with the knowledge and skills needed to complete the new FMEA methodology, including the 7-Step Approach and use of Action Priority Ratings. At course completion, participants will have the tools needed to objectively evaluate the effectiveness of their current FMEA process while planning and using the new AIAG-VDA FMEA process. *Attendees MUST HAVE previous hands-on experience in PFMEA to the AIAG 4th edition FMEA requirements (or equivalent) with a minimum participation as a team member in four (4) PFMEA implementations.	\$1,495/Person

COURSE NAME	DESCRIPTION	PRICE
<p><u>Core Tools: APQP, Control Plan, PPAP & FMEA</u> <u>(CEU Credits: .7)</u> <u>(8 hours)</u></p> 	<p>Gain a better understanding of the planning, design, process analysis, and validation guidelines aimed at mitigating risk factors impacting product launch. Learn how effective deployment of APQP, Control Plan, FMEA, and PPAP tools can lead to continuous improvement, defect prevention, as well as a reduction in waste and product variation.</p>	<p>\$1,495/Person</p>
<p><u>IATF 16949:2016 Internal Auditor</u> <u>(CEU Credits: 2.8)</u> <u>(32 hours)</u></p> 	<p>IATF 16949 Internal Auditor training provides participants with the knowledge necessary to meet the requirements of Clause 9.2 of the automotive quality standard, including internal audit methodology, terminology, techniques, and the PDCA of internal auditing. This course also covers the “flow-down” of customer-specific requirements and what internal auditors need to know about automotive core tools.</p>	<p>\$1,995/Person</p>
<p><u>ISO 14001:2015 Internal Auditor</u> <u>(CEU Credits: 1.4)</u> <u>(16 hours)</u></p> 	<p>This class will cover ISO 14001:2015 elements and standards, how to diagnose conformances and non-conformances, details of the audit process, measures for implementing corrective action, structured steps for conducting an audit, and structured sequence of a typical audit via an interactive simulation session.</p>	<p>\$1,495/Person</p>

QUALITY MANAGEMENT (CONTINUED)

COURSE NAME	DESCRIPTION	PRICE
<p><u>AS9100D Internal Auditor</u> <u>(CEU Credits: 2.1)</u> <u>(24 hours)</u></p> 	<p>AS9100D Internal Auditor training provides the knowledge necessary for participants to meet the requirements of Clause 9.2 of the aerospace quality standard. Participants will review the requirements for an AS9100D-compliant quality management system, understand internal audit methodology, terminology, and techniques, and the PDCA (planning an audit assignment, performing the audit, reporting and follow-up activities) of internal auditing. Participants will also learn the “flow-down” of customer-specific requirements in addition to ISO 9001 basics.</p>	<p>\$1,995/Person</p>
<p><u>ISO 9001: 2015 Internal Auditor</u> <u>(CEU Credits: 2.1)</u> <u>(24 hours)</u></p> 	<p>ISO 9001 Internal Auditor training provides the knowledge needed to meet the requirements of Clause 9.2 of the internal quality standard. Participants will review the requirements for an ISO 9001-compliant quality management system, learn internal audit methodology, terminology, and techniques, and understand the PDCA (planning an audit assignment, performing the audit, reporting, and follow-up activities) of internal auditing. Internal audits are an important feature of organizations wanting to become ISO 9001 certified and a prerequisite to the “Stage 1” certification audit by a registrar.</p>	<p>\$1,995/Person</p>
<p><u>Layered Process Audit</u> <u>(6 hours)</u></p> 	<p>Learn how to plan, prepare, and conduct a Layered Process Audit (LPA) on your company’s manufacturing processes to enhance operations. Through a combination of coursework, practical application, and hands-on mentoring, our instructor will guide you to establish the necessary planning, checklists, and reports to prepare for an effective audit.</p>	<p>\$995/Person</p>

COURSE NAME	DESCRIPTION	PRICE
<p>(NEW) Quality Leaders: Fundamentals of Quality Management (24 hours)</p> 	<p>This program prepares new and experienced Quality Managers in various industries to establish, implement, and optimize standardized work procedures of the Quality Systems operations. Participants will learn to use Lean methodologies and other tools to identify inefficiencies, implement solutions, document best practices, reduce process variation, and sustain long-term operational excellence. This course covers key elements like quality models and theories, problem-solving tools, Cost-of-Quality (COQ), customer identification and segmentation, supply chain management, and more.</p>	<p>\$1,495/Person</p>

 = LIVE, INSTRUCTOR-LED CERTIFICATE-ELIGIBLE COURSE

Prices are subject to change.



ARTIFICIAL INTELLIGENCE (AI)

COURSE NAME	DESCRIPTION	PRICE
<u>Leveraging AI For Competitive Advantage (4 hours)</u> 	Harness the power of Artificial Intelligence (AI) in your operations. By learning about essential AI concepts, exploring applications in key areas such as predictive maintenance, quality control, and supply chain optimization, and engaging in interactive, hands-on activities to build AI models. This course also addresses critical ethical considerations to help participants implement AI solutions responsibly and drive efficiency, innovation, and a competitive edge.	\$495/Person
<u>(NEW) AI for Quality Control & Inspection (4 hours)</u> 	Learn how AI-powered vision systems and machine learning models can automate defect detection, improve inspection accuracy, and reduce scrap in production environments.	\$495/Person
<u>(NEW) Lean Problem Solving With Generative AI (4 hours)</u> 	Integrate AI co-pilots into A3, 5-Whys, and fishbone analysis to speed up documentation and gain insight from historical datasets or shared best practices.	\$495/Person
<u>(NEW) AI for Manufacturing Leaders (4 hours)</u> 	Description: Designed for plant managers and Supervisors, this course explains AI trends, strategic adoption planning, ethical considerations, and how to lead digital transformation efforts.	\$495/Person
<u>(NEW) AI for Supply Chain Optimization (4 hours)</u> 	This course explores how artificial intelligence is transforming procurement and planning, including quote generation and market analysis. Participants will learn how intelligent sourcing and price comparison tools streamline supplier selection, while deep research tools improve forecasting and demand planning.	\$495/Person

 = LIVE, INSTRUCTOR-LED CERTIFICATE-ELIGIBLE COURSE

Prices are subject to change.

COURSE NAME	DESCRIPTION	PRICE
<p>(NEW) AI101 Workshop: Introduction to Generative AI & ChatGPT (2 hours)</p>	<p>This workshop gives Michigan manufacturers a practical introduction to generative artificial intelligence and how it can support real business needs. Participants learn what GenAI is and how it works, explained in plain language, before exploring the most valuable applications for manufacturing environments, including standard work development, internal policy writing, effective communication, and day-to-day problem solving. By the end, participants walk away with a grounded understanding of where GenAI fits in their workflow and how to use it safely, effectively, and confidently.</p> <p><i>Available in-person or virtually</i></p>	<p>\$49/Person</p>
<p>(NEW) AI102 Workshop: Advanced ChatGPT Use Cases (2 hours)</p>	<p>Build upon the learnings of MMTC’s AI101 Workshop to explore advanced ChatGPT applications that drive measurable impact across manufacturing operations. Participants will dive into topics such as deep research for strategic decision-making, vibe coding, the use of natural language to generate functional code and automate tasks, and building Custom GPTs that serve as specialized digital assistants for their organizations. Through guided instruction and live demonstrations, attendees will learn how to design and deploy their own Custom GPT.</p> <p><i>Available in-person or virtually</i></p>	<p>\$49/Person</p>

 = LIVE, INSTRUCTOR-LED CERTIFICATE-ELIGIBLE COURSE

Prices are subject to change.



CONTACT YOUR CONSULTING & TRAINING SOLUTIONS EXPERT

MMTC's Solutions Experts connect you with in-demand courses, consulting, certifications, and training plans to meet your most pressing business needs. Now that you're familiar with our offerings, **partner with your local Business Solutions Expert to develop a customized plan tailored to your team's goals.**



Kevin Olds

kolds@the-center.org

(231) 995-2006

Serving Northern Michigan counties



Josh Billington

jbillington@the-center.org

(906) 379-5835

Serving Michigan's Upper Peninsula

CONNECTING MANUFACTURERS WITH FUNDING RESOURCES

MMTC can help you find funding and technical assistance programs to reach your business goals. Ask us about grant and technical assistance opportunities to help you:

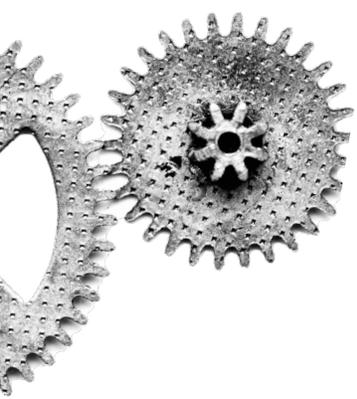
Transform Your Workforce With In-Demand Training

Training is a vital resource that can promote retention and recruitment in the face of skills gaps and ongoing worker shortages. MMTC can help you find funding and create a comprehensive plan to upskill staff, attract new talent, and harness the full potential and capabilities of your workforce.

Expand Your Business Horizons as a DoD Supplier

The defense sector is harnessing the talents and ingenuity of Michigan manufacturers to support a range of national security initiatives. MMTC can help you learn about defense contracting requirements and prepare for success as a Department of Defense (DoD) supplier.

Contact your Solutions Expert today to learn about the programs and grants available in your area.



REGISTRATION

Registering Is Quick & Convenient

Courses fill quickly, and advance registration is required. To ensure your participation, we recommend registering at least four weeks before your training begins. Prices are subject to change.

Training Locations

MMTC offers in-person and virtual training at select locations across the state. We also offer customized training on-site at your facility covering a range of topics. **Contact your Solutions Expert** to create a program tailored to your business needs and goals.

How to Register

Register online with a credit card using our secure registration system at education.the-center.org. You can also speak with a Business Solutions Expert or register by phone by calling (231) 735-5029 between 8:00 am and 5:00 pm, Monday through Friday. Inquire about a course or registration by emailing inquiry@the-center.org.

Cancellations, Rescheduling, and No Shows

MMTC abides by the following terms and conditions for course or consulting registrations, changes, cancellations, and no-shows:

- 1** Full payment will be due for training and consulting sessions rescheduled or cancelled less than fifteen (15) calendar days before the start date, or for no shows. The course or consulting fee will be invoiced directly to the client and is due 30 days from the date of invoice. MMTC will work with the client to reschedule the course or consulting session within thirty (30) calendar days.
- 2** No charges will be incurred for training or consulting sessions cancelled or rescheduled by written notice more than fifteen (15) days prior to the session start date.

View MMTC's full terms and conditions at www.the-center.org/TOC

INTRODUCING THE MMTC LEARNING HUB

Develop Your Workforce with In-Demand Courses & Free Content

The MMTC Learning Hub is our upgraded course registration system that makes it easier than ever to build skills and thrive in our ever-changing industry. Choose topics, courses, and learning formats that align with your needs, plus free content, personalized learning paths, certificate tracking, and more.



Features include:



In-person & hybrid courses



Free content & resources



Instructor-led virtual training



Personalized learning paths and certificate tracking



**Self-paced training/
micro learning**

CHECK IT OUT!

Visit education.the-center.org to get started.

MICHIGAN
MANUFACTURING
TECHNOLOGY
CENTER

MMTC SOLUTIONS EXPERTS

How Can My MMTC Solutions Expert Help?

From training to on-site consulting to funding opportunities, your Solutions Expert has the knowledge and experience to build your custom roadmap to greater success. Find the courses, hands-on operational support, funding, and other resources necessary to move your business goals forward.

Learn more about your local Solutions Expert and how to get in touch at: the-center.org/Contact-Us

Connect With MMTC:

(231) 995-2006

www.the-center.org

