

MICHIGAN

MANUFACTURING

TECHNOLOGY

CENTER

2025 MMTC-NORTH CATALOG

COURSES | MENTORING | CONSULTING

GOING **PRO** 



VIEW
ONLINE



A woman with long blonde hair, wearing a dark blazer, stands on the right side of the frame, gesturing with her hands as if presenting. In the background, several people are seated at a long table, looking towards her. The entire image has a blue tint. The text is overlaid on the left side in white and orange boxes.

YOUR JOURNEY TO MANUFACTURE SMARTER BEGINS RIGHT HERE WITH US.

THE MICHIGAN MANUFACTURING TECHNOLOGY CENTER

has assisted Michigan's small and medium-sized businesses since 1991. Through personalized services to meet the needs of clients, we develop more effective business leaders, drive product and process innovation, promote company-wide operational excellence and foster creative strategies for business growth and greater profitability.

MICHIGAN
MANUFACTURING
TECHNOLOGY
CENTER



TABLE OF CONTENTS

ABOUT US.....	2
HOW TO REGISTER.....	3
CONNECT WITH US.....	4
MANUFACTURING FUNDING RESOURCES.....	5
MENTORING & CONSULTING OPPORTUNITIES.....	6-12
Leadership	
Lean Manufacturing	
Industry 4.0/Cybersecurity	
Quality Management	
Costing	
Six Sigma	
Food Processing	
Market Intelligence	
Safety	
CONTINUOUS IMPROVEMENT GROUP.....	13
COURSE OFFERINGS.....	14-17
Leadership & Team Skills	
Continuous Improvement & Lean Solutions	
Technical Skills	
Tooling U-SME Collaborative Training Programs	
OUR SERVICES.....	18-19
MEET YOUR BUSINESS SOLUTIONS MANAGER.....	22

ABOUT US

The Michigan Manufacturing Technology Center understands what enables businesses to grow and provides services to implement and track strategies that do so.

MISSION

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

WHAT WE BELIEVE

Michigan manufacturing. It's what drives us. It's why we exist. To make manufacturers better, to show them how to grow, adapt and add jobs here. We assist by showing best practices. By finding efficiencies. By connecting manufacturers with partners. By coaching. By leading. And by doing the little things that add up to greatness. Our team delivers by lowering costs, reducing waste and more. Manufacture more efficiently. Manufacture more competitively. Manufacture smarter.

The Michigan Manufacturing Technology Center is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU.



Michigan Manufacturing Technology Center is recognized by SHRM to offer Professional Development Credits (PDC) for SHRM-CP® or SHRM-SCP® recertification activities.



REGISTERING IS QUICK & CONVENIENT

Advance registration is required. Since many courses fill early, we recommend registering at least four weeks before the course begins. Prices are subject to change.

TRAINING SITE

Classes are held at multiple locations across Northern Michigan.

For company-specific training, a minimum of six participants is needed. For more information about services available at your organization, contact:

Martina Scholl-High

231.735.5029 | mscholl-high@the-center.org

Josh Billington

906.280.5290 | jbillington@the-center.org

Nicole Charter

ncharter@the-center.org

REGISTER ONLINE

Registering online is quick and convenient with our secure registration system using your credit card. To search or register for upcoming events and classes, visit The-Center.org.

CONTACT US

Speak with a MMTC Business Solutions Manager or register for upcoming classes by calling 888.414.6682 during business hours: Monday through Friday, 8:00 AM to 5:00 PM or email inquiry@the-center.org.

ACTIVE LEARNING MODEL

Build participant's confidence in their own abilities by using our exclusive Active Learning Model (ALM). Each learning objective uses activities to reinforce knowledge transfer. Participants will learn through face-to-face instruction, hybrid, or virtual courses.

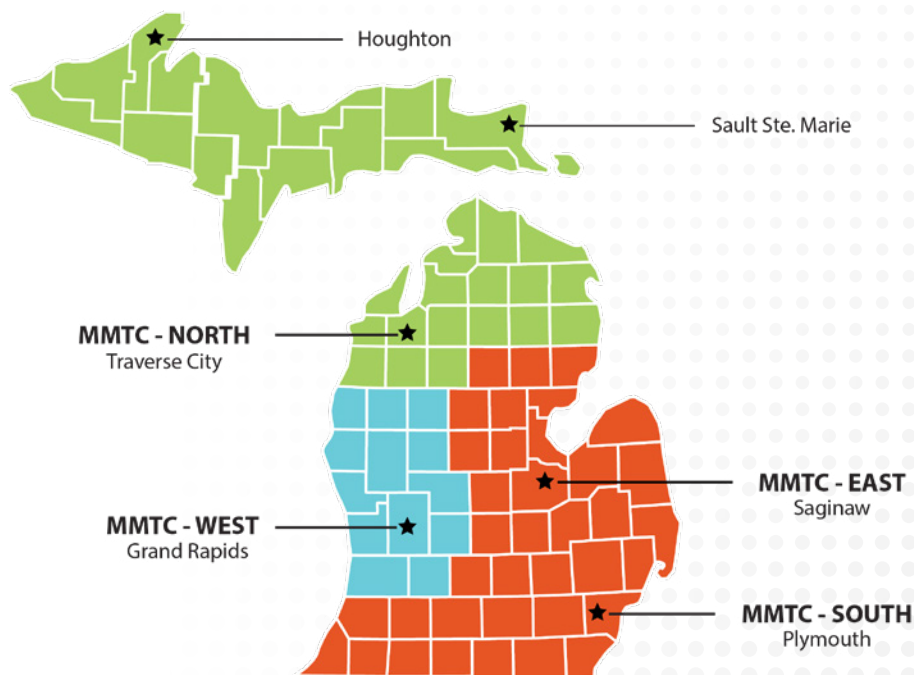
NO SHOW/CANCELLATION/RESCHEDULING POLICY

All no show, cancellation, and rescheduling changes are subject to the following conditions:

1. Any training/consulting rescheduled, cancelled, or a no show less than fifteen (15) calendar days prior to its start date, will be 100% invoiced directly to the Client, due NET 30 from the date of invoice. MMTC will work with the Client to reschedule within thirty (30) calendar days.
2. No charges will be incurred for cancelled or rescheduled training/consulting by written notification more than fifteen (15) calendar days prior to the start date of training/consulting.

View MMTC's full Terms and Conditions policy at www.the-center.org/TOC.

LOCATIONS



OUR SUCCESS DEPENDS ON YOURS

After completing a project with MMTC, our clients are surveyed by an independent third party to gauge the impact of our services on operational performance. Focus is placed on jobs retained or created, investments made, sales generated or retained and the calculation of cost savings.

WHAT WE DO

GROWTH

Strategy to improve business. Marketing that attracts customers.

OPERATIONAL EXCELLENCE

Proven solutions. Achieve greater success. Quality, Lean, Assessments.

LEADERSHIP DEVELOPMENT

Hands-on learning. Thorough business analysis. Management training.

SKILL DEVELOPMENT

Advance faster. Six Sigma, QMS, supply chain, sales, blueprint reading.

ACCELERATING TECHNOLOGY/INDUSTRY 4.0

Make effective strategic decisions. Industry 4.0. Information Security. Advanced tools to gain insights.

RESEARCH SERVICES

Get answers. Explore facts. Find the information. Qualitative and quantitative.

FOOD PROCESSING

Improve efficiencies. Process standardization and prevention-based controls.

HOW WE ASSISTED 584 MICHIGAN MANUFACTURERS IN THE PAST YEAR:

 **\$608M**
IN NEW OR RETAINED SALES

 **\$29M**
IN COST SAVINGS

 **\$105M**
INVESTMENTS MADE

 **4,949 JOBS**
CREATED OR RETAINED

STAY CONNECTED WITH US

ANYWHERE, 24/7

Stay on top of industry trends and connect with the Michigan Manufacturing Technology Center online to find opportunities for networking, knowledge sharing with peers, upcoming events and the latest in manufacturing news.



FACEBOOK



LINKEDIN



INSTAGRAM



CONNECTING

MANUFACTURERS WITH

CRUCIAL RESOURCES



BUILDING A STRONGER WORKFORCE WITH THE GOING PRO TALENT FUND

The Going PRO Talent Fund (GPTF) is an initiative of Michigan Works! that provides employers with vital funding to close skill gaps and develop and retain talent. This competitive program **provides up to \$2,000 per person for training and \$3,500 for apprenticeships** leading to an in-demand skill or credential. MMTC helps companies apply for funding and develop comprehensive training plans that meet GPTF requirements. Most MMTC courses are eligible for funding. **The GPTF application period opens in April 2025.**



BECOME A DOD SUPPLIER WITH THE SUPPORT OF MDRC

The Michigan Defense Resiliency Consortium (MDRC) is guiding the defense industry's transition to electric vehicles and creating valuable energy storage and battery manufacturing infrastructure throughout Michigan. MDRC connects your Michigan ingenuity to the DoD's energy needs, unlocking growth and propelling your role in the defense energy storage and battery supply chain. Led by the University of Michigan Economic Growth Institute, the MDRC has received more than \$6.3M in grant and community funding to pursue technical assistance, workforce training, research, and technology acceleration initiatives that support electrification and national security priorities.

MDRC provides Michigan manufacturers with 500 employees or less with **up to \$75K in cost-share funds for technical assistance projects for qualified companies**, a company assessment, and a developed opportunity plan. Companies must demonstrate a critical potential to address a particular need in the defense energy storage and battery supply chain.



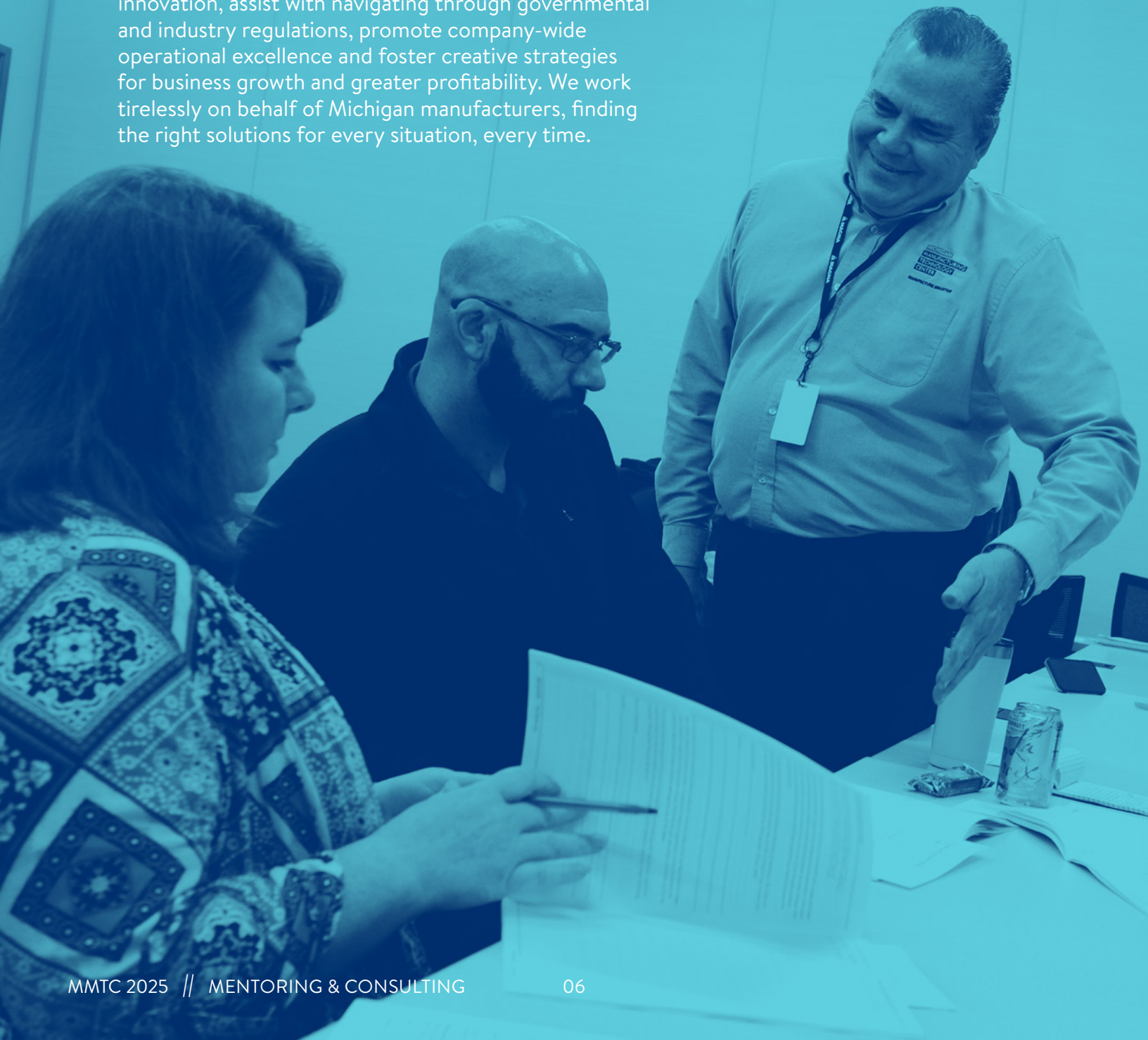
AN ADVANCED SUPPLY CHAIN TOOL FOR MICHIGAN MANUFACTURERS

CONNEX™ Michigan is a FREE, cloud-based platform that centralizes the Michigan supply chain network into a searchable database. Sponsored by the Michigan Manufacturing Technology Center and supported by the MEDC, CONNEX™ is designed to be the **premier system for domestic supply chain sourcing and networking**. CONNEX members can find alternative suppliers, view their supply chain, highlight single supplier and financial risks within their supply chain, see companies on government watchlists, and more. You can also find suppliers by searching the thousands of state manufacturers and using filters to find companies with products and services that match your specific needs.

For questions on how to get started or for information about eligibility, contact us at the-center.org.

MENTORING & CONSULTING

MMTC offers personalized consulting and mentoring services that enable Michigan manufacturers to operate smarter, compete and prosper. We develop more effective business leaders, drive product and process innovation, assist with navigating through governmental and industry regulations, promote company-wide operational excellence and foster creative strategies for business growth and greater profitability. We work tirelessly on behalf of Michigan manufacturers, finding the right solutions for every situation, every time.



LEADERSHIP

LEADERSHIP MENTORING

Leadership mentoring is a collaborative relationship between MMTC experts and seasoned or emerging leaders in organizations to provide skills and knowledge in many areas, such as:

- Communication
- Adaptability
- Accountability
- Empathy
- Change Management
- Problem Solving
- Influence
- Relationship Building
- Emotional Intelligence
- Critical Thinking

These skills can be used to create a culture of teamwork, trust, and transparency in an effort to engage employees to do and be their best. Once the needs of an organization are discovered, training and mentoring can be provided in any or all of the skills listed above to a single person or group of leaders.

BUSINESS TRANSITION STRATEGIES & SUCCESSION DEVELOPMENT

Whether planned or unplanned, it is a fact that all business owners and/or key employees will leave at some point in the company's lifespan. When it happens, you need a plan of action to keep your business afloat during the transition. This program is designed to ensure business continuity in the event of an unexpected departure of a leader or key management member. MMTC's succession development program begins with the identification of both the business owner's personal goals and their goals for the future of the business.

This will allow for a better understanding of the needs and expectations for future income, their future involvement with the business, investment required, the legacy they want to leave, and the overall values of the business owner. Through the use of a custom transition strategy assessment tool and personal interviews, MMTC will create a clear vision of the business owner's plan for the future and help develop a strategic plan to achieve it.

LEADERSHIP-IN-ACTION: STRATEGIC BUSINESS SOLUTIONS

Leadership-in-Action (LIA) is an intensive three-day, hands-on program designed to align your leadership and management team around critical business goals and objectives. This highly interactive engagement begins with a comprehensive Business and Organization Assessment, providing a detailed comparison of your company's performance metrics against industry standards. This service focuses on enhancing organizational performance by optimizing financial metrics, streamlining business processes, and refining leadership strategies. Practical exercises help participants apply concepts to their own organizations and culminate in an actionable improvement plan.

PROJECT MANAGEMENT MENTORING

All manufacturers execute projects of various sizes, durations and complexities. Typical project management 'problems' involve finishing late, spending too much, poor communication, frustration, scope creep and poor risk planning. While these issues are perceived to be 'problems', they are typically more symptomatic of not having a project management methodology. MMTC's Project Management Mentoring experts can help with:

- Scoping projects
- Project charters
- Stakeholder management plans
- Communication plans
- Work breakdown structures to ensure a logical schedule
- Budgeting
- Risk management registers
- Project key performance indicators (KPIs)

SMALL BUSINESS OPERATIONS PLANNING

Small Business Operations Planning is designed to transform your company into a highly efficient and effective operation. Through a combination of hands-on training, interactive discussions, and a comprehensive Business and Organization Assessment, this program aligns your leadership and management team with key business goals. Participants will engage in analyzing financial metrics, refining business processes, and enhancing leadership capabilities—all tailored to your organization's unique needs. The workshop culminates in the creation of a tailored, executable Improvement Plan, grounded in data and best practices, that serves as a strategic roadmap for achieving measurable performance improvements over the next 12-18 months.

LEAN MANUFACTURING

LEAN MENTORING

Lean Mentoring is designed to help organizations achieve their strategic business goals through the successful application of Lean principles. This mentorship provides management with the skills, knowledge, and attitudes necessary to develop actionable plans that meet improvement targets. By working closely with Lean Champions, Lean mentors guide the transformation to a Lean culture, ensuring Lean tools and techniques are effectively applied across the business. From reducing lead times and process cycle times to re-engineering work areas to eliminate waste, this program equips organizations with the tools and expertise needed for continuous improvement and long-term success.

HOSHIN PLANNING & DEPLOYMENT

Adopt a disciplined planning approach to minimize the high costs and waste associated with poor planning. Utilize the Lean Methods Group approach, which helps assess your organization's current state, define your goals, and manage progress with clear visibility, engagement, and accountability. These tools offer a structured way to respond to strategic opportunities and market changes, foster an environment of focused, transparent communication, provide visibility into key metrics, and support better decision-making while reducing rework and waste.

LEAN OFFICE KAIZEN

Executing a Lean Office Kaizen empowers organizations to streamline their administrative and non-production processes, which make up 70 percent of the costs related to meeting customer demand. Through hands-on activities, participants will gain a deep understanding of Kaizen principles and will analyze existing processes to uncover inefficiencies and areas for improvement. By the end, participants will have developed the skills to lead successful Lean Office Kaizen events within their organizations, fostering a culture of continuous improvement and operational excellence.

LEAN KAIZEN EVENT

Do you want to increase productivity and quality, lower costs, and decrease delivery times? Are you interested in reducing risk and improving employee morale? It is time to introduce your company to the concept of Kaizen. One of the many tools under the umbrella of Lean manufacturing, Kaizen has been successful in helping manufacturers improve, identify, and implement changes. A Kaizen is goal driven and includes a facilitator, team members from support areas in the company, and management. Kaizen events are most successful when they are part of a larger overall program of continuous improvement. A typical Kaizen event consists of five days of focused team activity.

VALUE STREAM MAPPING INSTRUCTION AND DEPLOYMENT PLAN

Enhance your understanding of Lean production systems through Value-Stream Mapping (VSM). Through a personalized approach, participants will learn to "see" their manufacturing processes with a Lean perspective, enabling them to redesign workflows to maximize customer value while minimizing costs and waste. VSM helps clients see manufacturing processes as a Lean production system. By the end, companies will be equipped to collect accurate data, design VSMs, identify areas for Kaizen projects, develop prioritized improvement plans to drive continuous operational excellence, and create a deployment plan to ensure that the future state becomes a reality.



INDUSTRY 4.0 / CYBERSECURITY

INDUSTRY 4.0 MENTORING

Large technology investments can feel like a daunting task for manufacturers. Lack of knowledge or in-house expertise can create a barrier to technology adoption. Using our extensive knowledge of information technology, automation, controls systems, robotics and plant operations, we can assist with technology implementation projects and data collection with MES/ERP adoption. Successfully integrate technology and upskill internal employees, so they are ready to take on these types of projects in the future.

ON-SITE TECHNOLOGY TRIAL AND TRAINING

Phase one begins with a feasibility study, which creates a test environment for technology using client parts and data. Phase two includes Industry 4.0 mentoring to upskill your workforce to fully utilize the technology. The output of these projects will be live impact data collection and potential technology implementation ROI. MMTC can assist with:

- Robot/Cobot rental and training, proof of concept, simple machine integrations
- Machine monitoring, OEE machine retrofit
- Digital work instruction
- Data collection and visualization

INFORMATION SYSTEM SELECTION

Starting with a data stream map that would document the entire value stream and information flow, identify what systems are currently in use and what business critical data need to be incorporated into the information system. This engagement outputs information that helps form the basis of specification to provide to vendors. We can then enter another project phase and help with vendor selection and quoting.

TECHNOLOGY AND VENDOR SELECTION

MMTC can assist manufacturers with writing project statement of work, determine ROI, select vendors and review quotes. Find a technology solution that meets the needs of your business.

CYBERSECURITY MENTORING

Cyber-attacks are becoming increasingly sophisticated and frequent, with a reported 4,000 attacks on small businesses each day. Through a two-phase approach, MMTC experts help companies analyze their existing technology, review and minimize the risks posed to their information systems, and develop a framework for secure business operations into the future.

OUR MMTC VALUES

INTEGRITY.
RESPECT.
INNOVATION.
COLLABORATION.
DRIVEN.

QUALITY MANAGEMENT

QUALITY MENTORING

Classes in specific disciplines are necessary, but the real test of skill is to apply the knowledge to individual quality management systems through onsite mentoring. We have registered Exemplar Global auditors that can apply decades of experience to find solutions for your QMS applications.

AS9100 ORGANIZATIONAL IMPLEMENTATION

Is your company in the Aviation, Space, and Defense industries and transitioning from Rev C, another standard like ISO 9001, or starting fresh with a Quality Management System (QMS)? Learn about the aerospace additions to ISO 9001 and how to develop tailored policies, procedures, and work instructions. This program emphasizes hands-on learning, including process mapping, risk-based thinking, and customer-oriented processes (COPs). Each participating company receives a complete Policy Manual template, procedure templates, and compliance reference documents, providing all the tools needed for a successful AS9100D implementation.

AS9100D TRANSITION

Transition your organization seamlessly from ISO 9001:2015 to AS9100D. Participants will begin with an in-depth overview of AS9100D and a review of your company's current quality policy and objectives. Each session builds progressively, and your team will work hands-on to make real-time updates to your documentation to align with AS9100D. Key topics include counterfeit prevention, foreign object detection, and customer requirement roll-downs. By the end, participants will have developed a fully documented Quality Management System, comprehensive Transition Implementation Plan, and will be prepared for a successful Stage 1 audit.

IATF 16949:2016 ORGANIZATIONAL IMPLEMENTATION

Equip your team with the knowledge and skills needed to develop, implement, and maintain an effective Quality Management System (QMS) aligned with IATF 16949 and ISO 9001:2015 requirements. Topics covered include high-level-structure, process-based quality management, risk-based thinking, continuous improvement, and customer-oriented process development. Attendees will use real-world scenarios to create a quality policy, establish measurable objectives, and implement robust documentation and control processes. Participants will leave with a complete guide to documented information, a custom Policy Manual template, and the expertise to create an integrated QMS that aligns with their business goals. Additionally, up to three participants per company will receive hands-on internal auditor training.

ISO 14001:2015 ORGANIZATIONAL IMPLEMENTATION

Ideal for organizations seeking to implement an Environmental Management System (EMS) aligned with ISO 14001:2015 standards, this customized program offers both foundational EMS development and in-depth internal auditor training. Participants will engage in seven interactive sessions that cover topics from the new high-level structure of ISO 14001:2015 to developing environmental policies and objectives. Participants will also receive hands-on internal auditor training, ensuring they are prepared to conduct thorough audits and ensure the success of their EMS.

ISO 9001:2015 ORGANIZATIONAL IMPLEMENTATION

This comprehensive training begins with an introduction to ISO 9001:2015, including its High-Level Structure (HLS) and the foundational principles of process-based quality management. Each session progressively covers key clauses, from developing a Quality Policy and measurable objectives to managing documentation, understanding risk-based thinking, and developing customer-oriented processes (COPs), plus topics including nonconformity management, corrective actions, and continual improvement. Participants will make real-time updates to existing QMS documentation, culminating in a fully developed QMS that aligns with your company's business plan.

Additionally, companies will receive a copy of the latest ISO 9001:2015 standard and sample templates for procedures, processes, and forms, and up to three participants per company will receive hands-on internal auditor training.

ISO 9001:2015 ORGANIZATIONAL IMPLEMENTATION SUPPORT

Dive deep into successfully implementing and maintaining an ISO 9001:2015-based Quality Management System (QMS). Participants will benefit from an in-depth gap analysis, which evaluates current practices against ISO 9001 requirements, highlights existing strengths, and identifies missing or ineffective elements. Our team also provides guidance on documentation creation and management, quality management system development, internal audit program management, and the application of "8D" corrective actions. Gain the expertise needed to achieve and sustain ISO 9001 compliance.

QMS INTERNAL AUDIT (ISO 9001, AS9100, IATF 16949, OR ISO 13485)

We provide engaging and detailed mentoring for Internal Auditing in the following quality management system (QMS) disciplines:

- ISO 9001 - Base QMS for general manufacturing
- IATF 16949 - Automotive required internal auditing, includes ISO 19011 instruction as well as a Core Tools audit
- ISO 14001 - Environmental QMS
- AS 9100D - Aerospace QMS
- ISO 13485 - Medical devices

MMTC's experienced auditors share QMS implementations from many industries, which highlight details of how to apply the criteria to each individual system. We have a proven ability to install any QMS from the ground up, so if you have NO QMS, we can help with that as well.

ENVIRONMENTAL MENTORING

Environmental quality can be used differently depending on the context. The first way could be an application of an Environmental Management System (EMS) to an existing Quality Management System (QMS). However, it could also mean maintaining the quality of the environment, which is the function of ISO 14001. Many companies have a focus on environmental quality to meet customer mandates associated with ISO 14001. MMTC can help with both! Our experts can execute gap assessments to identify where a company stands relative to achieving the standard or achieving compliance.

QUALITY MANAGEMENT

GAP ASSESSMENT

A Quality Management System (QMS) Gap Assessment is a critical process for organizations integrating an additional QMS framework, such as ISO 9001, IATF 16949, or AS9100. This assessment identifies gaps between the existing system and the new QMS requirements, ensuring seamless integration while maintaining compliance and operational efficiency. Our QMS Gap Assessment product provides a structured evaluation, pinpointing areas for improvement, reducing redundancy, and streamlining documentation. With detailed reporting and actionable recommendations, businesses can confidently align their processes, enhance quality performance, and achieve certification readiness with minimal disruption.

COSTING

COST MENTORING

Start addressing a wide range of costing challenges, from analyzing current activities and processes to pinpointing and reducing wasteful expenses. Through targeted mentorship, participants will master the skills to identify and quantify cost drivers, evaluate product and customer profitability, and discover areas ripe for cost reduction. Learn to map out key processes to reveal inefficiencies, develop actionable improvement plans, and implement metrics to track your progress towards financial goals.

COST IDENTIFICATION AND MANAGEMENT

An MMTC Costing Expert will work closely with your team, touring your facility, and crafting a customized cost system designed to reflect the true costs of your organizational activities. This mentoring equips all manufacturers with the knowledge to determine precise costs for your products and services through detailed analysis of operational data. You'll gain proficiency in maintaining and updating your costing model, and conducting insightful "What if?" analyses to adjust for cost, resource, and utilization changes.

FOOD PROCESSING

FOOD PROCESSING MENTORING

Leveraging years of experience in both food safety and process improvement practices, our experts provide a unique opportunity to assist food processors in scaling up production while keeping food safety practices at the forefront. The challenges facing the food industry are no different than those facing other industries: staffing shortages, greater demands from customers, supply chain constraints, confusion about how to implement technology, and the need to do more with less, are real. The countless Lean tools that have been successfully implemented in traditional manufacturing are applicable throughout the food industry. MMTC's expertise provides Michigan's food processors with the necessary resources to grow and compete.

SIX SIGMA

SIX SIGMA MENTORING

Unlock the full potential of your Six Sigma initiatives with MMTC's comprehensive Six Sigma Mentoring. This interactive experience offers tailored guidance to help streamline projects and enhance your leadership strategies. Our mentors will provide targeted assistance with each phase of Six Sigma, from tool selection and application to advanced techniques like design of experiments and statistical analysis using Minitab. Whether you're facing specific challenges or seeking strategic advice, our visit will provide actionable solutions and a robust plan to drive your Six Sigma projects toward completion.



MARKET INTELLIGENCE

MARKET INTELLIGENCE MENTORING

Strategic decisions can be challenging and in today's environment, businesses can be positively or negatively impacted by internal and external forces. Market research mentoring is designed to augment sales, marketing, business development or other company personnel and provides an independent, unbiased mentor. MMTC provides support and insight to help navigate business decisions related to:

- Optimizing new product launches
- Accessing adjacent markets
- Analyzing competitors
- Evaluating voice of the customer
- Anticipating market disruptions

ASSESS MARKET(S) FOR NEW PRODUCTS

Help your sales and marketing professionals validate the viability of a new product or capability, optimize its market entry, and make informed investment decisions. Collaborate with MMTC's expert research team to delve into critical aspects of market assessment, from identifying the most promising markets to understanding key competitive dynamics. You'll learn how to scope and conduct targeted research, interpret quantitative results, and translate these insights into strategic action plans. By the end, you'll be equipped to pinpoint the ideal markets for your new offering, craft a detailed market profile, and develop a robust launch strategy that maximizes your product's impact.

LIST, PRIORITIZE & PRE-QUALIFY PROSPECTS

Transform your approach to lead generation and market strategy with our dynamic Market Research Mastery. Dive into effective research techniques that help you accurately identify prospects and high-value leads, scope and execute projects, and derive actionable insights from quantitative data. Gain the skills necessary to turn research findings into immediate action plans that bring clarity and precision to your lead generation and marketing strategies.

NARROW 10 MARKETS TO 3 BASED ON CRITERIA

Help save time, reduce risk, and maximize your growth opportunities by identifying and investing in the most advantageous markets for your business. Transform a broad list of up to 10 potential markets into a focused selection of the top 3 "best fit" markets for your company. Our expert team at MMTC will guide you through a comprehensive research process using your specific criteria and our industry-standard benchmarks to assess market size, growth potential, competitive landscape, and entry barriers. By the end, you'll gain the skills to scope and execute a market research project effectively, interpret quantitative data with precision, and develop actionable, strategic plans that align with your company's objectives.

SAFETY

HEALTH & SAFETY MANAGEMENT MENTORING

Whether manufacturers are in search of a better understanding of OSHA's regulatory requirements to ensure compliance or need assistance with OSHA-based reporting, MMTC's safety experts can help. MMTC provides customized safety program services addressing:

- Forklift
- LOTO
- Overhead Crane
- Aerial Lift
- Flagging and Road Safety
- Bloodborne Pathogens
- Fall Protection
- Hazard Communication
- Emergency Action Plans



JOIN THE CONTINUOUS IMPROVEMENT GROUP

DEVELOP A CULTURE OF CONTINUOUS IMPROVEMENT

MMTC's Continuous Improvement Group (CIG) is a membership group whose mission is to 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.

As an additional learning opportunity, concepts will be applied to an operational environment with hands-on events where CIG members can directly benefit through team projects that teach tools to improve a business's ability to accomplish its mission.

WHAT'S INCLUDED IN YOUR MEMBERSHIP

CIG membership is \$450 annually and includes:

- Two attendees per company
- Four quarterly on-site events in the Upper Peninsula and four quarterly on-site events in northern Michigan
 - Includes a best practice facility tour
- Four continuous learning events
 - Includes virtual or in-person learning activities combined with group planning/input meetings

JOIN TODAY!



Scan this QR code or visit:
www.the-center.org/events

**For questions, email Martina Scholl-High at mscholl-high@the-center.org or
Josh Billington at jbillington@the-center.org**

COURSES

Our instructors have spent decades gaining expertise in engineering, business development, cybersecurity, leadership, workforce development, quality management, supply chain, Lean and Six Sigma, and more. They have worked from the top floor to the shop floor in a wide range of manufacturing sectors, from automotive and mobility to food processing and healthcare, and they are ready to bring the right solutions to manufacturers' most challenging scenarios.

We can help manufacturers develop a realistic training plan according to their needs and goals. **View our upcoming course schedule at [The-Center.org](https://www.the-center.org).**

LEADERSHIP & TEAM SKILLS

APPLIED PROJECT MANAGEMENT

This 40-hour interactive 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.

40 hours | \$2,000/person | In person or distance learning offerings

DiSC

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.

4 hours | \$300/person | In person or distance learning offerings

EFFECTIVE MEETINGS

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.

4 hours | \$200/person

EMOTIONAL INTELLIGENCE

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.

8 hours | \$400/person

FINANCE FOR NON-FINANCIAL MANAGERS

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.

4 hours | \$200/person

FRONTLINE LEADER

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.

16 hours | \$1,100/person | In person

12 hours | \$1,100/person | Distance learning

GET MORE DONE

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!

3 hours | \$200/person | In person or distance learning offerings

LEADERSHIP DEVELOPMENT SERIES

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 skills in class and between classes apply their learning to the workplace with through simple assigned tasks. This routine of learn, practice, apply is supported through expert one-on-one coaching.

25 hours | \$1,800/person

MYERS BRIGGS TYPE INDICATOR (MBTI)

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.

8 hours | \$600/person

PRODUCTIVE CONFLICT

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.

4 hours | \$325/person

**NEW CLASSES/DATES ARE ADDED FREQUENTLY. For a schedule of all 2025 courses, visit The-Center.org.
WANT TO TAILOR TRAINING TO ADDRESS BUSINESS NEEDS? Contact your Business Solutions Manager.**

LEADERSHIP & TEAM SKILLS

TEAM BUILDING ACTIVITIES

Participants will learn improved teamwork through multiple activities that engage team behaviors helping them identify effective and ineffective behaviors. These activities metaphorical and intended to encourage teamwork as well as build positive connections among co-workers.

There are many options for you! Please contact us for pricing.

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.

Please contact us for pricing.

TRAIN THE ON-THE-JOB TRAINER

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.

8 hours | \$600/person

TRAIN THE TRAINER

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.

8 hours | \$600/person

TRAIN THE ONLINE TRAINER

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.

6 hours | \$600/person | Distance learning

CONTINUOUS IMPROVEMENT & LEAN SOLUTIONS

8D PROBLEM SOLVING

The purpose of this 8-hour hands-on training is to 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.

8 hours | \$400/person

A3 PROBLEM SOLVING

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.

8 hours | \$400/person

LEAN HEALTHCARE PRACTITIONER

This 28-hour 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

28 hours | \$2,000/person

LEAN MANUFACTURING CHAMPION WITH KAIZEN

This 96-hour hands-on, interactive 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.

96 hours | \$4,200/person

LEAN MANUFACTURING PRACTITIONER

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.

28 hours | \$2,000/person

LEAN MANUFACTURING PRACTITIONER TO CHAMPION STEP-UP CERTIFICATION WITH KAIZEN

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 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.

64 hours | \$3,200/person

CONTINUOUS IMPROVEMENT & LEAN SOLUTIONS

LEAN OFFICE CHAMPION WITH KAIZEN

This hands-on, interactive 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.

96 hours | \$4,200/person

LEAN OFFICE PRACTITIONER

This 28-hour interactive course will equip participants 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.

28 hours | \$2,000/person

LEAN SIMULATION (MFG/OFFICE/5S/ HEALTHCARE)

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.

4 hours | \$200/person

LEAN SIX SIGMA YELLOW BELT

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.

24 hours | \$1,495/person

VALUE STREAM MAPPING CURRENT AND FUTURE STATE (MFG/OFFICE)

This 16-hour 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.

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.

16 hours | \$800/person

TECHNICAL SKILLS

BLUEPRINT READING

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.

16 hours | \$1,200/person

GD&T

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.

16 hours (four, 4-hour sessions) | \$1,500/person

MEASUREMENT SYSTEMS ANALYSIS

This interactive course equips participants with a mathematical method of determining how much the variation within the measurement process contributes to overall process variability.

8 hours | \$400/person

STATISTICAL PROCESS CONTROL

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.

8 hours | \$400/person

TOOLING U-SME

TOOLING U-SME COLLABORATIVE TRAINING PROGRAMS

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. Whether you are new to manufacturing or a seasoned worker, all can benefit from the various virtual programs offered. 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. These online programs are self-paced, typically taking 60 minutes to complete individual classes.

ToolingU Subscription (10-Pack, 365 Day Subscription) - \$430

ToolingU Subscription (90 Day, All Access Subscription) - \$375

For more information, contact your Regional Business Solutions Manager or email inquiry@the-center.org.

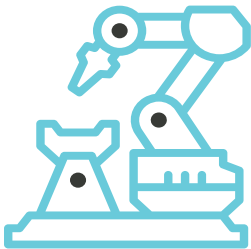


OUR

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 231.735.5029.

TECHNOLOGY OPPORTUNITY ASSESSMENT

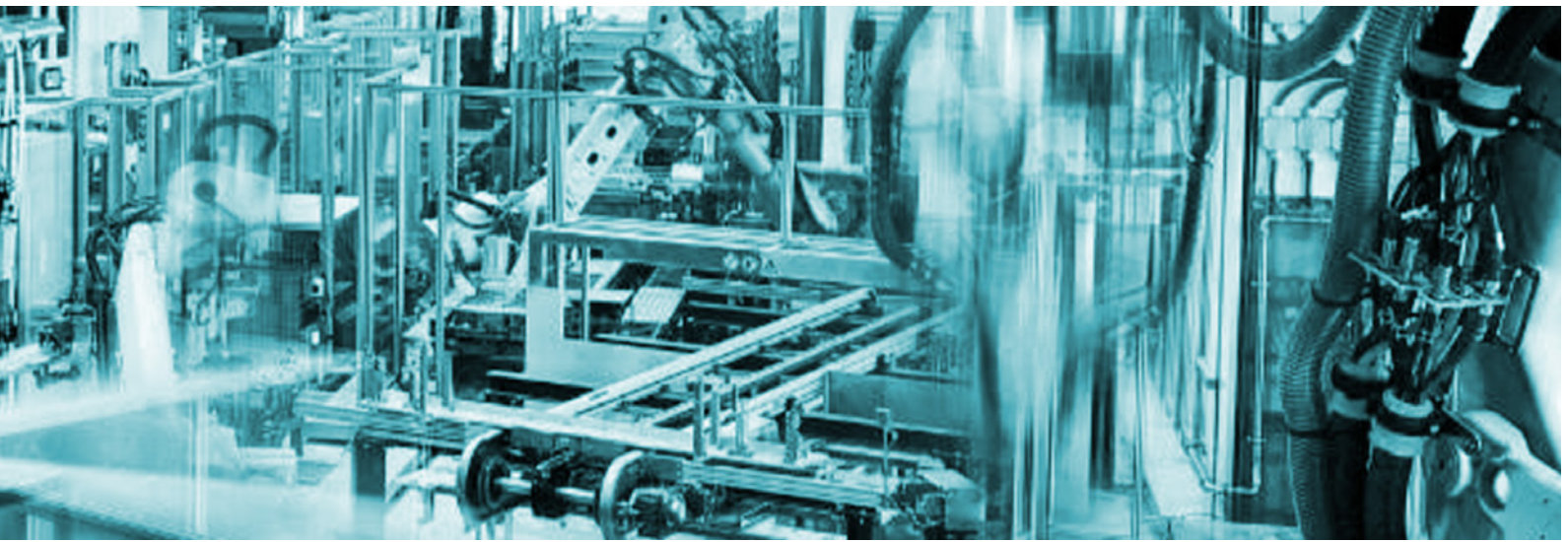


As manufacturing is advancing, MMTC doesn't want Michigan manufacturers to get left behind. Our free Technology Opportunity Assessment allows manufacturers to know where automation can help. MMTC experts will come on-site to work with you in a personalized capacity to enable your company to identify technologies that will provide maximum improvements and return on investment. We will also support you throughout the implementation process to ensure a smooth transition.

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?”



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.



[illegible]

MICHIGAN MANUFACTURING TECHNOLOGY CENTER

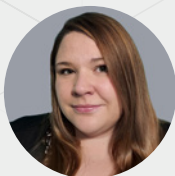
MANUFACTURE SMARTER

WWW.THE-CENTER.ORG

WE'RE FOCUSED ON YOU.

MEET YOUR BUSINESS SOLUTIONS MANAGER!

FOR MORE INFORMATION REGARDING OUR COURSES OR PERSONALIZED MENTORING,
CONTACT YOUR MICHIGAN MANUFACTURING TECHNOLOGY CENTER BUSINESS SOLUTIONS MANAGER:



MARTINA SCHOLL-HIGH

231.735.5029 | mscholl-high@the-center.org

Serving Northern-Northwest Michigan manufacturers



JOSH BILLINGTON

734.451.4240 | jbillington@the-center.org

Serving Upper Peninsula Michigan manufacturers



NICOLE CHARTER

ncharter@the-center.org

Serving Northern-Northeast Michigan manufacturers