



MICHIGAN ECONOMIC
DEVELOPMENT CORPORATION

Michigan Economic Development Corporation Educational Presentation

**on
INDUSTRY 4.0**

INDUSTRY 4.0 LEADERSHIP

- ❑ Industry 4.0
- ❑ Why it's important for MI
- ❑ I4.0 Signature Initiative
 - Statewide resources
 - Regional resources
 - Grant Program

INDUSTRY 4.0

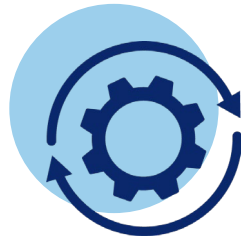
Defined as the **convergence of digital and physical technologies**, including connected factory, data analytics, modeling and visualization, 3D printing, advanced robotics and cybersecurity.

MICHIGAN'S INDUSTRY 4.0 ECOSYSTEM

Michigan has been known for its manufacturing prowess and productivity for more than 120 years and has the workforce, resources and high-tech innovative ecosystem to help forward-thinking companies align with Industry 4.0.



5th largest advanced manufacturing workforce in the country



National leader for employment in organizations adopting Industry 4.0



Employment in advanced manufacturing industries grew twice as fast as national average between 2015 and 2019

STATEWIDE GOAL

By **2025**, 50 percent of all Michigan manufacturers - **6,200** businesses, will be prepared to adopt Industry 4.0

STATEWIDE EXPERTISE



-
- Free Essential Membership
 - Access to Industry 4.0 readiness data and resources
 - Industry 4.0 Events including Integr8

MICHIGAN

MANUFACTURING

TECHNOLOGY

CENTER

-
- Customized Technology Opportunity Assessments
 - Course Trainings
 - Roadshows on key Industry 4.0 technology

CONNECTION TO I4.0 TECHNOLOGY

Industry 4.0 Accelerator



- Attract the best I4.0 technology companies in the world
- Retain & grow promising MI based I4.0 tech companies
- Connect I4.0 tech companies to MI manufacturing firms to help improve operational efficiency
- Strengthen the regional I4.0 cluster and manufacturing value chain

LEVERAGING LOCAL PARTNERSHIPS

Regional Grant Administrators

Great Lakes Bay Manufacturers Association

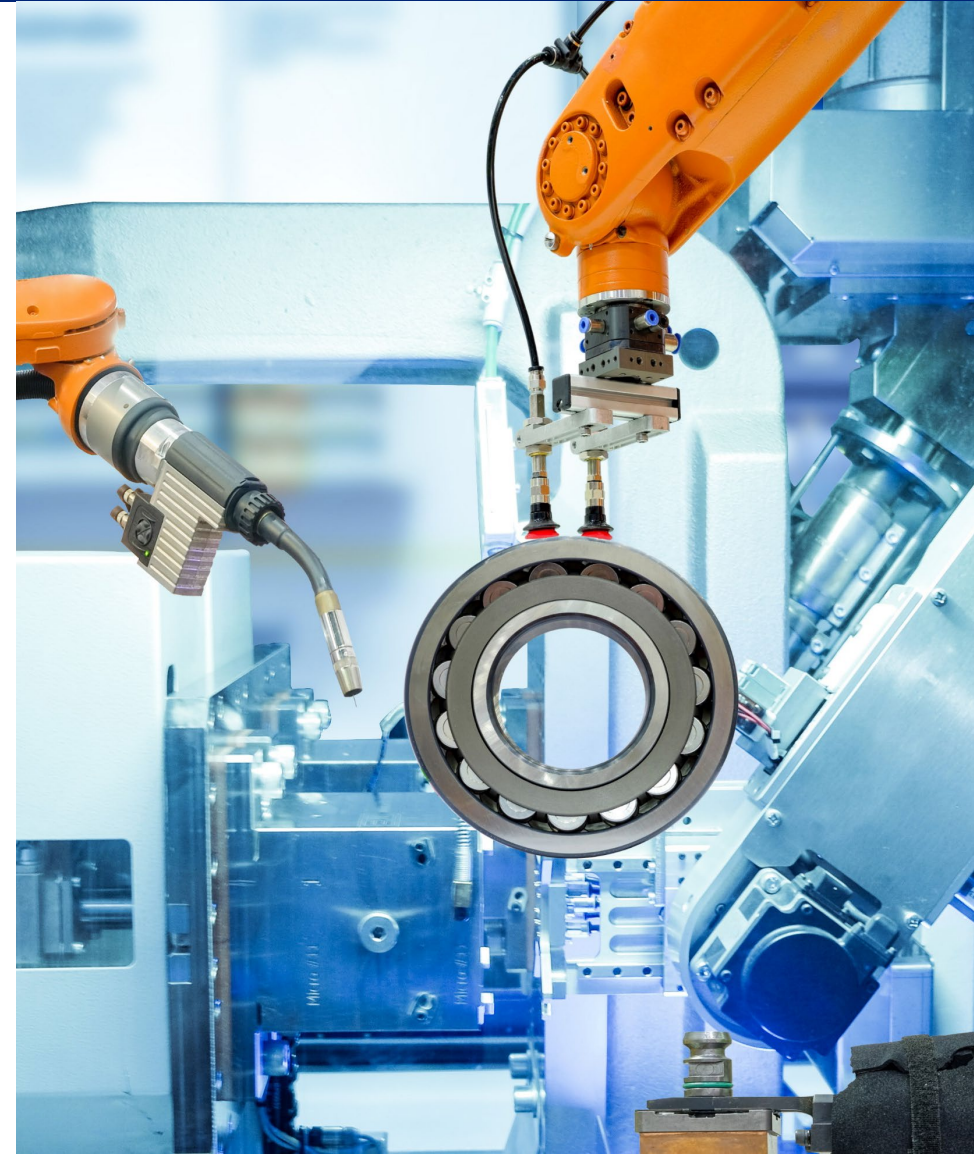
Macomb County Planning and Economic
Development

Manufacturing Growth Alliance

Networks Northwest

The Right Place

Southwest Michigan First



IMPLEMENTATION GRANT PROGRAM

[michiganbusiness.org/
industry4-0/grant](https://michiganbusiness.org/industry4-0/grant)

MEDC's Industry 4.0 grant program will provide **50% reimbursement** for qualifying I4.0 technology **costs up to \$25,000.**

IMPLEMENTATION GRANT PROGRAM

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Eligibility

- Be a manufacturer
- Project taking place in MI
- Small Business (by SBA standards)
- I4.0 Technology Assessment by MMTC or equivalent
- Essential Member with Automation Alley

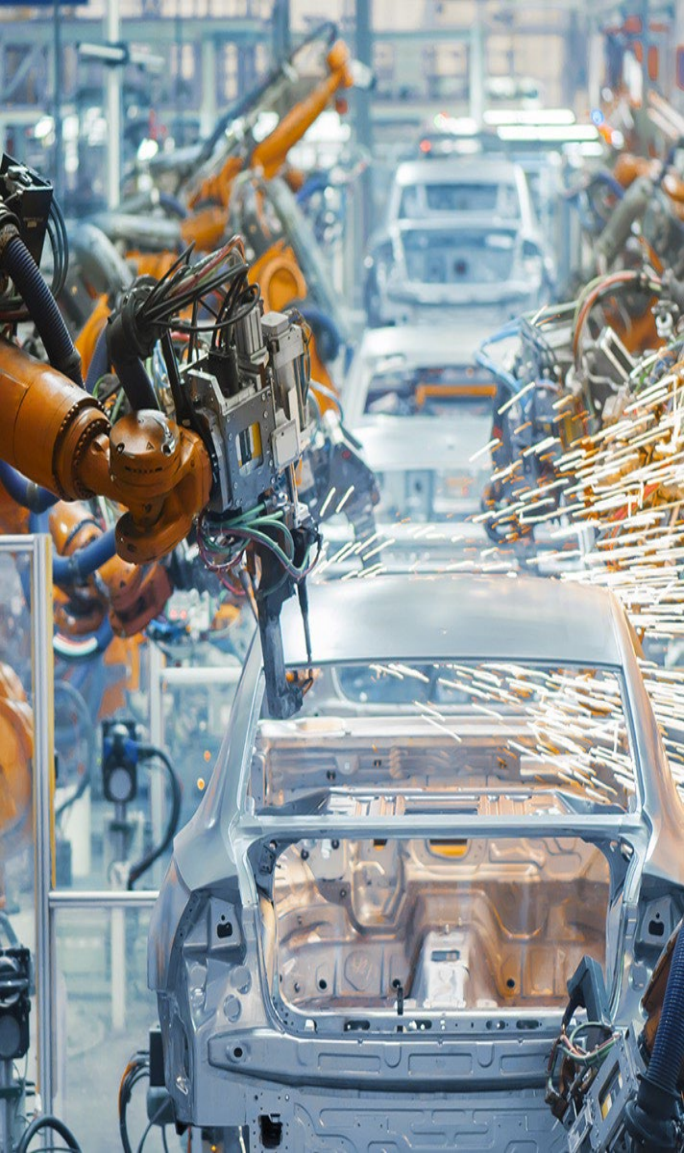
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Technologies Supported

- Additive Manufacturing & Advanced Materials
- Artificial Intelligence
- Data Analytics
- Cloud Computing
- Cybersecurity
- Industrial Internet of Things (IoT)
- Modeling, Simulation, Visualization & Immersion
- Robotics/Automation
- Connected Worker Platforms & Wearables

IMPLEMENTATION GRANT



- **139 Grants Awarded**, totaling over **\$3 million**
- Funds allocated in all 10 prosperity regions of the state, across **44 counties**
- Estimated results:
 - Increase in Revenue: **\$174 million**
 - Jobs Created: **633**
 - Jobs Retained: **2,415**
- Projects leverage **\$17.7 million** of private investment from small manufacturers



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THANK YOU!

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michiganbusiness.org/industry4-0

