

IMCP: ADVANCE MICHIGAN'S KEY TECHNOLOGIES & SUPPLY CHAINS

Kristin Dziczek
Center for Automotive Research
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COLLABORATION IS KEY

13 MICHIGAN COUNTIES: CLINTON, EATON, GENESEE, INGHAM, LAPEER, LIVINGSTON, MACOMB, MONROE, OAKLAND, SHIAWASSEE, ST. CLAIR, WASHTENAW, AND WAYNE



Representatives from: City and County Government, Economic development, higher education, k-12 education, community colleges, industry, think tanks, the State of Michigan, workforce development, Manufacturing R&D groups, and others.

The proposal process and collaboration was led by Workforce Intelligence network (WIN), in partnership with Wayne County Edge, Center for Automotive research (CAR), and the Michigan Economic Development Corporation.

The Mayors of Detroit, Flint, and Lansing spearheaded the political support process both in Michigan and in D.C.

There were over 170 letters of commitment and support for the Advance Michigan IMCP designation.

INTEGRATED APPROACH

FOCUS ON WORKFORCE ISSUES

Advance Michigan's primary pillar.

SUPPLY CHAIN & RESEARCH/INNOVATION

Critical to business development, innovation & job creation

SUPPORTING PILLARS

Infrastructure, Trade, and Capital Access.

A READY WORKFORCE

- Data to inform decisions
- . Up-/re-skilling for incumbents
- Capacity building to train future workforce
- Career awareness and pipelines for yout
- Re-engagement of long-term unemployed

BUSINESS DEVELOPMENT, INNOVATION JOB CREATION

Supply chain

- Mapping and understanding supply chain
- · Business-to-business linkages through PMBC
- Grow supplier expertise and capacity through
 technical assistance
 - Incubate connected and advanced manufacturing start-ups

Research & innovation

- Sustainable alignment of university/industry efforts
- · Actively foster university/industry collaboration
 - Create better linkages between R&D and workforce/education
 - Create mechanisms for lab & facilities upgrades to stay on the leading edge

TECHNICAL AND OTHER SUPPORT FOR FIRM SUCCESS

Attract talent and employers through enhanced infrastructure

- Eliminate blight, create land ready for KTS
- Maintain and upgrade infrastructure for usability and connectivity.
 - Enhance and upgrade broadband infrastructure
 - Invest in KTS-related planning and development

Support firm growth through trade/international investment

- Help relocate and transition skilled immigrants to region
- Raise global connection to KTS through trade missions/global presence
 - Deliberately promote regional KTS for foreign direct investmen

Support capital access and firm efficiency

- Fund loan and capital programs for KTS firms
- Enhance technical assistance to help firms compete
 - Capitalize firms' energy efficiency

ECOSYSTEM ASSESSMENT

COLLABORATIVE...

Partners representing 13 counties working together to identify and prioritize opportunities and projects



DETAILED...

Committees developed detailed assessments and at least three high-priority plans for each of the six IMCP pillars

DATA DRIVEN...

Team relied on a multitude of data sources—from government agencies, proprietary providers, and the region's own research expertise

BUILT ON REGION'S STRENGTHS...

The region has a strong automotive manufacturing core that can be leveraged for growth in auto and related industries

GOALS: INCREASE EMPLOYMENT, INCOME, AND ECONOMIC OUTPUT OF THE REGION

AUTOMOTIVE LEADS



MICHIGAN'S JOB RECOVERY DRIVEN BY STRENGTH IN THE AUTOMOTIVE INDUSTRY

ADVANCE MICHIGAN REGION
SHARES INDUSTRIAL SUPPLY
CHAINS, INFRASTRUCTURE & TRADE
ROUTES

REGION BOASTS UNPARALLELED RESEARCH, DEVELOPMENT, AND ADVANCED PRODUCTION CAPABILITIES

RELEVANT BEYOND AUTOMOTIVE

AN OPEN SOURCE KTS

LEAD MATERIAL AND EMISSIONS IMPROVEMENTS BY REDEFINING **AUTOMOTIVE EFFICIENCY**

- Region's strengths in new vehicle system integration and manufacturing techniques are focused on:
 - Lightweight and other advanced materials
 - Additive manufacturing
 - Joining/welding/fabrication
 - Stamping/forming,
 - Digital design and rapid prototyping
 - Modeling-simulation-visualization
 - Testing
 - Diagnostics
 - Repair
- KTS-related investments will support new engine and transmission technology innovations, critical in meeting the 2016-2025 EPA and NHTSA fuel economy and CO2-emission standards.

IMPROVE SAFETY THROUGH CONNECTIVITY AND DESIGN

- Connectivity (vehicle-to-vehicle and vehicle-to infrastructure) provides benefits in:
 - Increased convenience

 - Less traffic congestion Improved fuel economy
 - Reduced emissions
 - Greater vehicle safety
- The development and integration of advanced electronics technologies are fundamentally changing how people drive, and improving the safety and quality of the driving experience
- When paired with other technology advancements (such as lightweight materials) they can support substantial improvements in personal mobility







WEBSITE

http://www.advancemimanufacturing.com/ #driving-opportunity

THANK YOU