ADVANCE MICHIGAN
Driving Opportunity Through Advanced Manufacturing

IMCP:
ADVANCE MICHIGAN'S KEY TECHNOLOGIES & SUPPLY CHAINS

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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.

ECOSYSTEM ASSESSMENT

COLLABORATIVE…

Partners representing13 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

WIN WORKFORCE INTELLIGENCE NETWORK for Southeast Michigan

CAR CENTER FOR AUTOMOTIVE RESEARCH

WEBSITE:

http://www.advancemimanufacturing.com/

#driving-opportunity

THANK YOU