IN-MaC: Indiana Manufacturing Competitiveness Center

“Creating a Stronger, More Capable Manufacturing Ecosystem”

Technology Adoption + Transfer
- Assist Manufacturers in the Delivery of High-Impact, High Return Projects
  - Digital Engineering (product & process)
  - Enterprise (Information systems – IT/OT, value chain, Product Lifecycle Management, logistics)

Education + Workforce Development
- Invigorate Workforce Talent in a Highly Accessible Manner
  - Higher Education, Incumbent Workforce, K-12 Achievement

Research for Future Competitiveness
- Accelerate the Advancement and Transfer of Technical Knowledge and Expertise
  - Facilitate Growth of Industry-Defined Discovery (Consortia, Fellows, Institutes)
  - Transfer Knowledge to Industry (members, clients, workforce programs, demonstration testbed)
IN-MaC: Select Impacts

- **Technology Adoption + Transfer (TA)**
  - Delivered 66 projects across Indiana for $21,250,000 economic benefit and 98 jobs added or saved

- **Education + Workforce Development (E&WD)**
  - Partnered with 37 education centers, trained 58 educators and engaged 3,000 students in industry-relevant topics
  - Created an Additive Manufacturing course and Lab Capability (Ivy Tech, Purdue Polytechnic)
  - Placed 67 college students across Indiana as manufacturing interns or apprentices
  - Impart STEM concepts via ‘evGrandPrix’ and ‘Discovery Lab’ models (both in-state and out-of-state growth)

- **Research for Future Competitiveness (RFC)**
  - $11,210,000 of federal funding realized from support of Faculty memberships in ManufacturingUSA Institutes
  - Catalyze 5 industry consortia (26 members) with small and medium Indiana enterprises (SMEs)
How We Deliver

- **Technology Adoption + Transfer**
  - Projects led by Faculty Experts in consultation with Program Manager
  - Faculty in all Statewide locations eligible to Lead projects
  - Participants provide a 50 percent Cost Share

- **Education + Workforce Development**
  - Facilitate Experiences and Exploration at all Incumbent and Future Workforce Levels
  - Projects draw on Experts from Purdue, Ivy Tech, Vincennes
  - Often involves Local or Regional programs (e.g., Chamber of Commerce, makerspaces)

- **Research for Future Competitiveness**
  - Consortia led by senior Purdue faculty with deep subject matter expertise and strong interests in working with industry to improve technological capabilities
  - IN-MaC Fellows to pursue select topics that Move Industry Forward
  - Host the Digital Manufacturing Testbed at Purdue as an Engagement Hub that Bridges Discovery, Translation and Education
  - Industry Sponsored Projects are Assigned to Faculty