

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



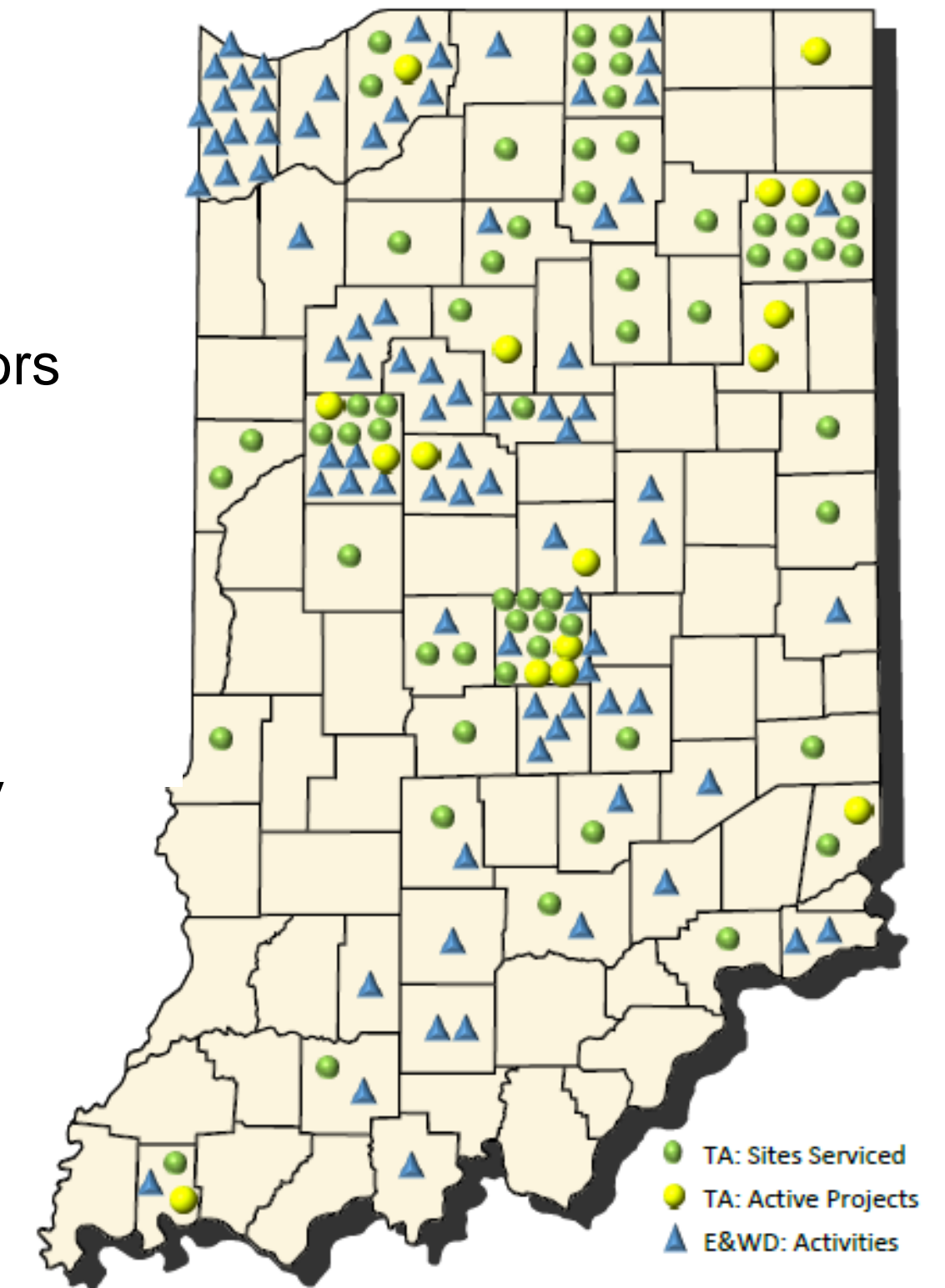
Design & Discovery Labs

**Engineering-Technology
Teacher Education (ETTE)**



evGrandPrix

- **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

