



RD&D Project Discussion



John A. Hopkins
Sr. Project Controls Manager
IACMI



Felix Nguyen
Principal Research Scientist
Toray Composites



Peter J. Fritz
Engineering Specialist
Eaton



IACMI RD&D Project Overview and Guide

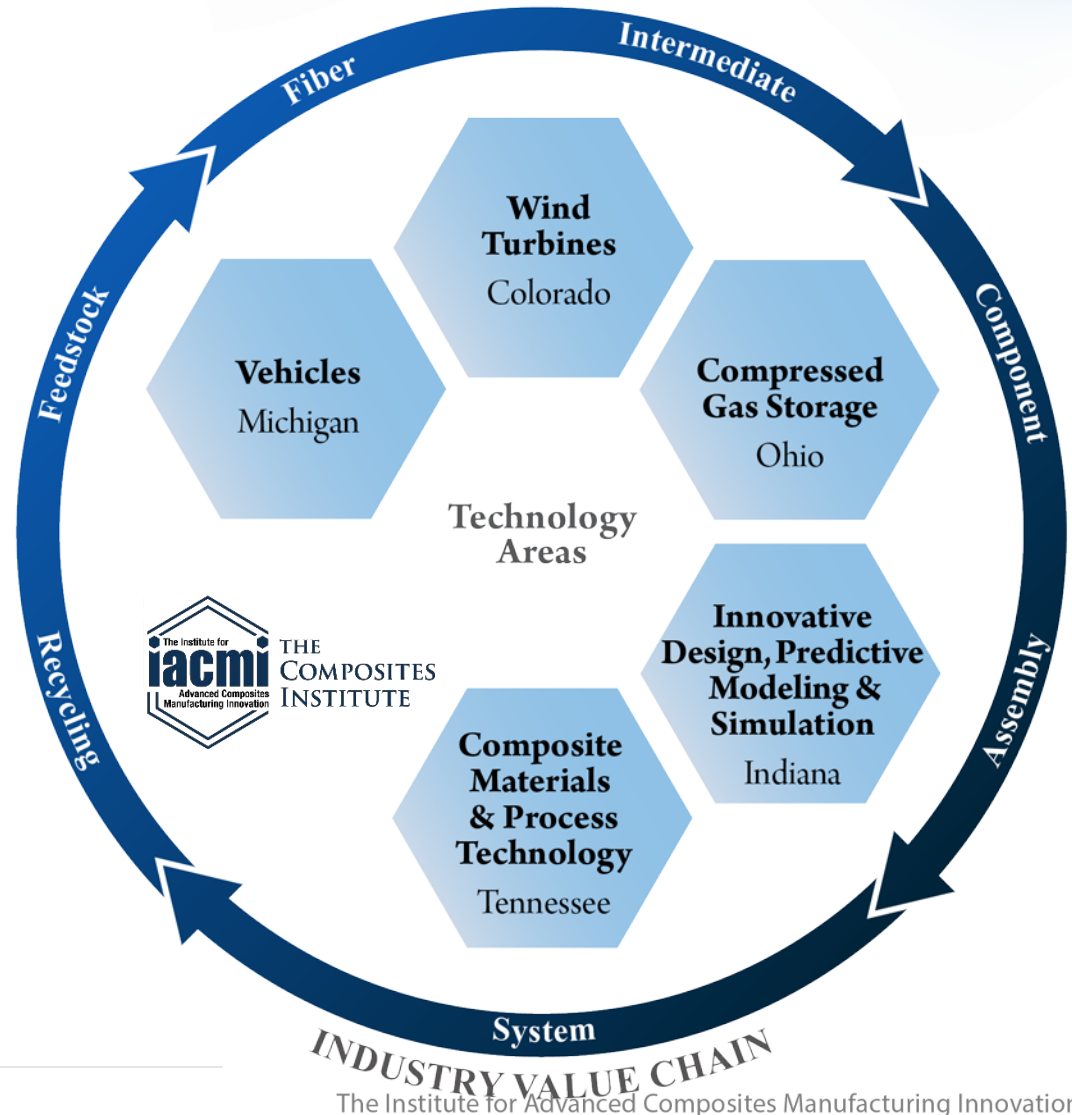
Institute for **ADVANCED**
Composites Manufacturing
INNOVATION

John A. Hopkins
Sr. Project Controls Manager

January 13, 2016

RD&D Projects Help Solve Industry's Composite Problems that Align with IACMI's Goals

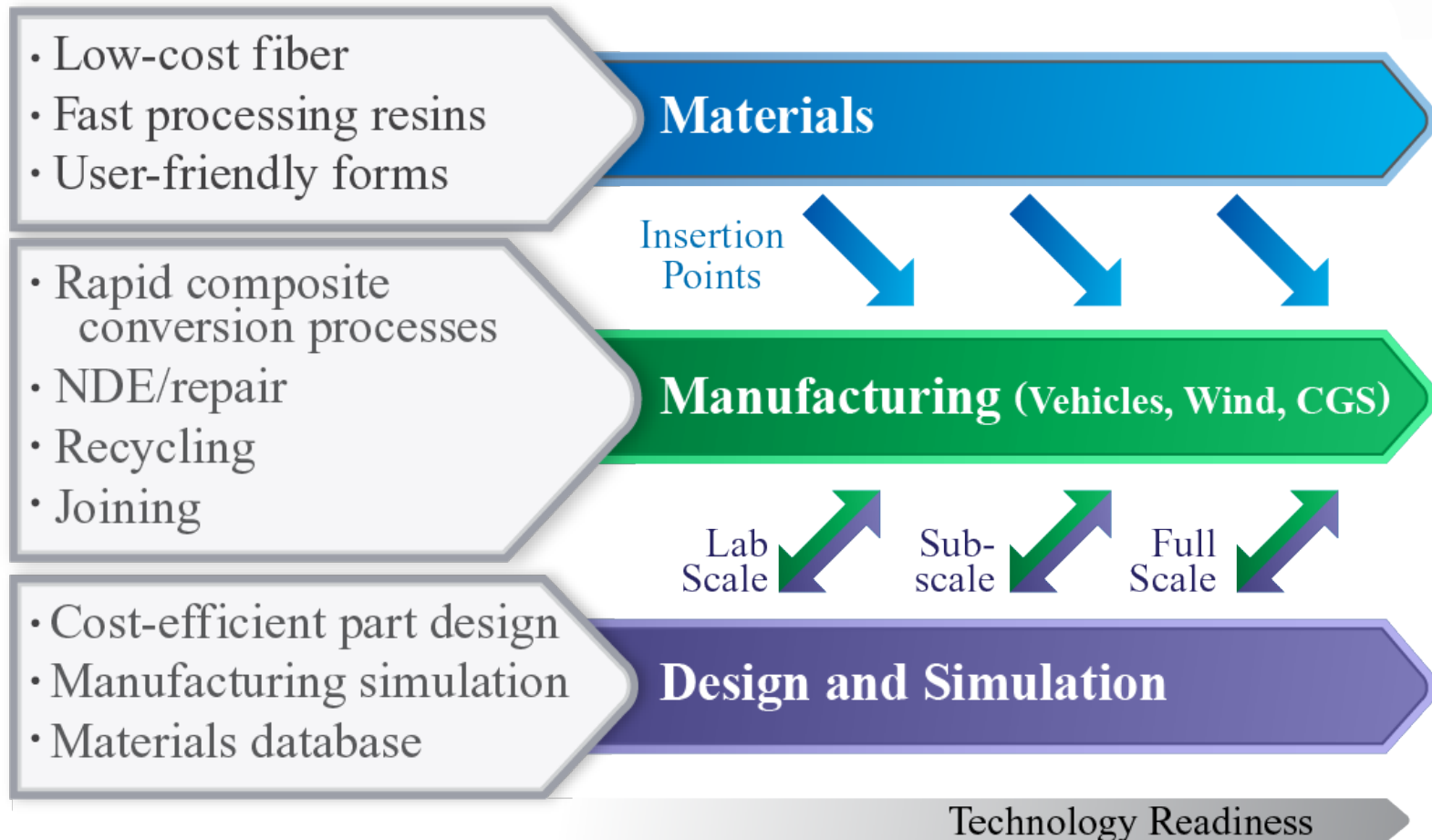
- **Industry driven:** Focus on critical industrial problems
- Rapid innovation
- Support OEMs / Tier 1's & their supply chain
- Support small and medium enterprises in supply chain



IACMI RD&D Projects

- Successful project proposals will demonstrate:
 - Impact to IACMI and DOE goals
 - Role of IACMI resources in path to scale-up
 - Defined commercial endpoint and appropriate TRL/MRL range (OEM, Tier 1 support)
 - Capacity to complete project successfully
 - Budget and cost-share that fit IACMI model
 - Well-defined utilization of resources and impact of outcomes
 - *Relation to IACMI Technology Roadmap*

An Integrated Approach to meet DOE and IACMI goals



IACMI Project Model

- Leverage Technology Area Assets
 - Are Technical Areas directly engaged?
- Employ Mix of Funds
 - Is cost share part of funding model?
- Focus on Commercial Implementation and Impact
 - Does project address appropriate TRL/MRL?
 - Is impact evident via path to capital investment and job creation?
- Address Energy Goals
 - Will implementation lead to reduced energy use?



Projects - Overview

- Open call process for receiving, reviewing, and funding proposals
- Members in good standing are eligible to submit proposals
- Master Agreements streamline contracting
- Project types provide opportunity to address high risk and large-scale projects in a staged approach
- Membership fees feed into project cost share
- Communication is key part of project management

IACMI Project Types

- Collaborative and Industry-led
- Leverage Partner Facilities and Expertise
- Combine Private and State Funds

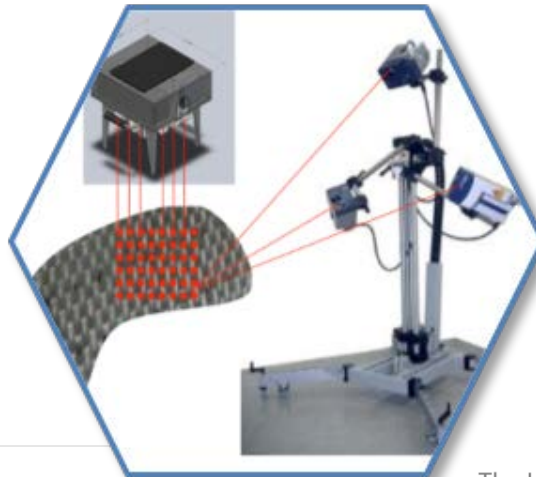
Enterprise

- >\$600k
- Long-term
- Commercialization & Scale-up



Technical Collaboration

- <\$600k
- < 2 Years
- Early Stage Concepts




Topic Specific

- >\$20k
- < 1 Year
- Challenges identified in Technology Roadmap

RFP – Open for Submissions

<http://iacmi.org/projects/>

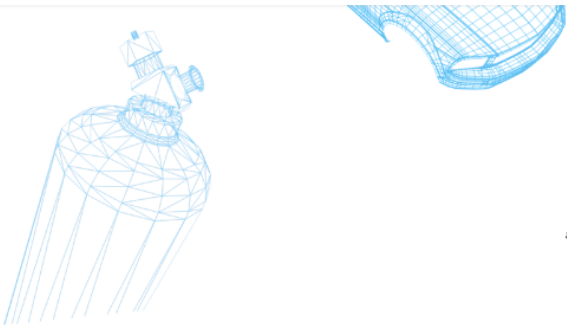
the composites supply

Home About Technology **Projects** News Membership Contact 


IACMI plans to offer an RFP every six months to support projects of varying size, duration, commercialization potential, and cost-share commitments.

This page will be used to host the RFP and provide updates and current information, including eligibility, restrictions, and submission and review processes.


Please contact projects@iacmi.org if you have any questions regarding eligibility or submission requirements.




Project Document Downloads:


 RFP


[IACMI RFP V1.1](#)


 Frequently Asked Questions


[IACMI RFP FAQ](#)


 Foreign Entity Participation Guide


 Project Cost Share Example


 White Paper Short Form Template

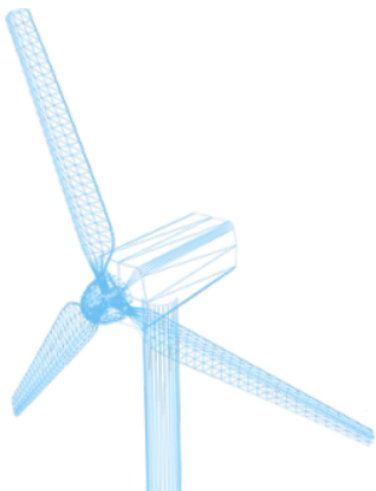
 White Paper Long Form Template

 Budget Forms

 TRL Guidelines

 MRL Guidelines

 Full Proposal Template



Proposals Received

- 15 Proposals
- 10 Technical Collaboration
- 5 Enterprise
 - \$1.3M - \$3.7M
 - 48 months
- All Technical Areas

Technical Area	Integration
Vehicles	11
Wind	6
Compressed Gas Storage	3
Materials & Processes	10
Modeling & Simulation	6

Proposal Checklist

- Leverages Technology Area Facilities?
- Addresses IACMI/DOE goals?
- TRL level appropriate?
- Cost share included in budget?
- Supply-chain aware?
- High commercial impact?
- Path and commitment to Scale-up?
- SMART Milestones?
- Defined Go/No-go Decisions?

Summary

IACMI Project Call open for proposal submission!

Your Path to World Leadership in Composite Manufacturing

1. Identify world-beating material/process/component
2. Assemble your project team
3. Work with IACMI Technology Areas to define project
4. Submit proposal
5. Successfully complete project
6. Lead your markets!

Questions?



Institute for ADVANCED
Composites Manufacturing
INNOVATION

John A. Hopkins
Senior Project Controls Manager
jhopkins@iacmi.org