**Member Benefits**

IACMI members have the opportunity to leverage significant National Network for Manufacturing Innovation (NNMI) federal and non-federal funding to develop new low-cost, high-speed, and efficient manufacturing and recycling process technologies that will promote widespread use of advanced fiber-reinforced polymer composites. Benefits of an IACMI membership include:

- Engagement in IACMI strategic planning, roadmapping, and development of projects.
- Access to technical information and membership database on the Member Portal.
- Opportunity to network with industry experts at member-only events such as semi-annual members meetings.
- Access to state-of-the-art composites facilities throughout the United States.
- Ability to leverage significant investments of over $250 million in federal funding.

**Member Structure**

IACMI membership is a tiered structure with fees based on company size and ability to partner on technology development for composite materials. Members of all levels are eligible to participate in projects.

- **Charter:** Have a significant influence in the direction of IACMI with a seat on the Board of Directors. Required investment of $5 million over 5 years.
- **Premium:** Participate in IACMI governance and leverage significant intellectual and resource capabilities. Required investment of $1 million over 5 years.
- **Consortium:** Build key relationships with IACMI members to fuel company growth within the composites ecosystem. Required investment of $5,000 or $10,000 annually depending on company size.
- **Resource:** Gain exposure to potential customers and participate in projects to improve products. Required investment of provided resources such as equipment, materials, or software.

---

**Who We Are**

IACMI is a consortium of industry, universities, national laboratories, and federal, state, and local governments working together to benefit the nation’s energy and economic security. This diverse public-private partnership validates manufacturing technologies that respond to private industry’s need for faster and more cost, material, and energy-efficient composite manufacturing.

---

**IACMI is the fifth institute in the Manufacturing USA Network**

Manufacturing USA is a network of institutes with the shared goal of securing the future of manufacturing in the U.S. through innovation, collaboration, and education. Learn more at [manufacturingusa.com](http://manufacturingusa.com)

IACMI is supported by a $70 million commitment from U.S. Department of Energy’s Advanced Manufacturing Office, and over $180 million from members and partners. Learn more at [iacmi.org](http://iacmi.org)

**IACMI – The Composites Institute**

2360 Cherahala Blvd
Knoxville, TN 37932
865.974.8794
Technology Areas

IACMI Technology Areas including Facilities and Capabilities

- **Vehicles - Michigan**: IACMI’s Vehicles Technology Area, located in Michigan, where 70% of all US automotive RD&D occurs at more than 370 R&D centers, is focused on reducing the weight of vehicle structures.

- **Wind - Colorado**: IACMI’s Wind Turbines Technology Area is focused on lowering the cost of wind energy while increasing the reliability of wind turbines.

- **Compressed Gas Storage - Ohio**: IACMI’s CGS Technology Area, led by the University of Dayton Research Institute, is focused on reducing cost to enable higher manufacturing capacity of carbon composite storage tanks used for natural gas and hydrogen.

- **Design, Modeling & Simulation - Indiana**: IACMI’s Design, Modeling & Simulation Technology Area, led by Purdue University, offers modeling and simulation tools to help address the need to shorten the development cycle and decrease the cost of composites manufacturing while allowing more time for innovation throughout the entire supply chain.

- **Materials & Processing - Tennessee & Kentucky**: IACMI’s Composite Materials and Process Technology Area, located in Tennessee and led by Oak Ridge National Laboratory and the University of Tennessee, focuses on development and characterization of energy-efficient, high-rate, and low-variability manufacturing processes from constituent materials through composite structures.

Industries Using Composites

Vehicle | Wind Energy | Compressed Gas Storage | Modeling and Simulation | Materials and Processing | Marine | Aerospace | Consumer Products | Infrastructure | Mass Transportation | Oil and Gas

IACMI Facilities & Capabilities

IACMI is a national institute with a technical focus centered on advanced composites. IACMI provides open access to members for shared research and development in IACMI facilities that leverage existing capabilities.

- **Vehicles Scale-Up Facility**: Corktown, Michigan
  The facility supports production-scale composite materials development focused on vehicle lightweighting in collaboration with automotive companies.

- **Composites Manufacturing and Education Technology (COMET) Facility**: Boulder, Colorado
  Located on the National Renewable Energy Laboratory’s National Wind Technology Center campus, the facility enables researchers to design, prototype, test, and manufacture composite wind turbine blades and other components in one location.

- **IACMI Laboratory at the University of Dayton Research Institute**: Dayton, Ohio
  The laboratory features full-scale manufacturing work cells in addition to supporting small business incubation and workforce development.

- **The Indiana Manufacturing Institute at Purdue University**: West Lafayette, Indiana
  Located at Purdue University in the Center for Composites Manufacturing and Simulation, the facility is developing a comprehensive set of simulation tools to model composite structures from manufacturing through end of product life cycle.

- **The University of Tennessee Fibers and Composites Manufacturing Facility and Engineering Annex**: Knoxville, Tennessee
  The diversity of this facility and other laboratories on campus allow students and researchers to work through the full manufacturing process with industry partners.

- **U.S. Department of Energy’s Manufacturing Demonstration Facility**: Knoxville, Tennessee
  One of the nation’s premier laboratories, this facility is collaborating with industry to reduce risk and accelerate the development and deployment of energy-efficient manufacturing processes and materials.

- **Oak Ridge National Laboratory’s Carbon Fiber Technology Facility**: Knoxville, Tennessee
  The facility offers a highly flexible, instrumented carbon fiber line for demonstrating advanced technology scalability and serves as the last step before commercial production scale.

- **Laboratory for Systems Integrity & Reliability at Vanderbilt University**: Nashville, Tennessee
  The laboratory combines powerful modeling and simulation tools and sophisticated sensing and control techniques with risk and reliability analytics to improve the performance and reliability of systems in energy, security, and manufacturing applications.

- **Carbon Spinline Laboratory at the University of Kentucky Center for Applied Research**: Lexington, Kentucky
  Featuring the largest spinline found in an academic setting, the spinline was built to produce meaningful research quantities of precursor tow while minimizing change-over time and effort.

Education & Workforce Development

<table>
<thead>
<tr>
<th>Inspiring STEM students</th>
<th>Apprenticeships, graduate, and undergraduate internships</th>
<th>Hands-on demonstrations and workshops</th>
<th>Integrated with industry</th>
<th>Additional opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Training composite technicians</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cultivating a pipeline of new engineering talent</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>