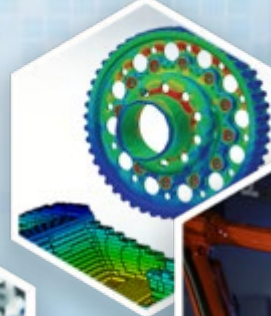


IACMI – The Composites Institute

Chad Duty, CEO
July 23, 2025



Convene. Connect. Catalyze.



Better Products, Processes & People

Technology R&D



Workforce Development



Better Products, Processes & People

Technology R&D

Workforce Development

Convene.
Connect.
Catalyze.



PF DesignLab

A Decade of Innovation



Signing Day!

June 17, 2015



Members Meeting

June 24, 2025



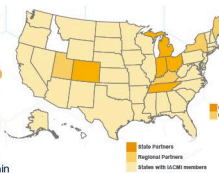
Project Impact Report

Economic Growth

Technology Innovation + Workforce Development = Economic Growth

For 10 years, IACMI has discovered an effective formula that works. **Technical Innovation + Workforce Development = Economic Growth** IACMI has catalyzed the creation of research-at-scale, production-relevant, shared spaces for innovation and workforce development. **Who We Are:** A Manufacturing USA institute with a 170+ member community of industry, academia, national laboratories, and government agencies

170+
Active IACMI Members
70%
Small Medium Enterprises
4,500
Professionals
served from
entry supply chain



SUPPORTED BY



It was established in 2015 and moved in 2023 by the Advanced Materials & Manufacturing Technologies (AMMTT) in the U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy (EERE).



Since 2021, IACMI has scaled up workforce programs for the U.S. Department of Defense for the Industrial Base Analysis and Sustainment (IBAS) program within the Innovation Capability and Modernization (ICAM) office.



Benefits of Composites

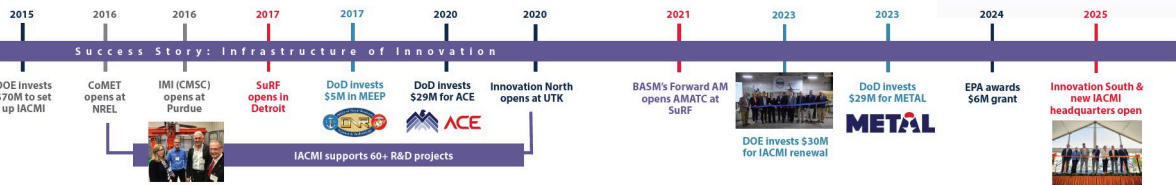
- ✓ Enhanced Strength and Durability
- ✓ Lightweight and Stiff Performance
- ✓ Corrosion Resistance
- ✓ Aesthetics and Design Flexibility
- ✓ Versatility in Transportation, Energy, and Infrastructure

Advanced composites can make aerostructures lighter, cars safer, and bridges last longer.

“Discussions through IACMI trigger thoughts, help connect and formulate relationships. IACMI helped us understand customer pain points and the need for scale.”

—Kevin Retz, NAWA America
N A W A H

A DECADE OF INNOVATION IACMI



Impacting Economic Development Across the U.S. **\$400M** Investment in 8 states for scale up facilities

3,000 new manufacturing jobs announced

\$150M in Research & Development value

World Class Facilities

IACMI has catalyzed the creation of \$400M of state-of-the-art facilities



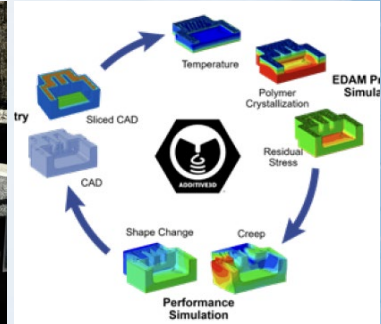
World Renowned Researchers

IACMI's leadership brings more than 200 years of composites innovation



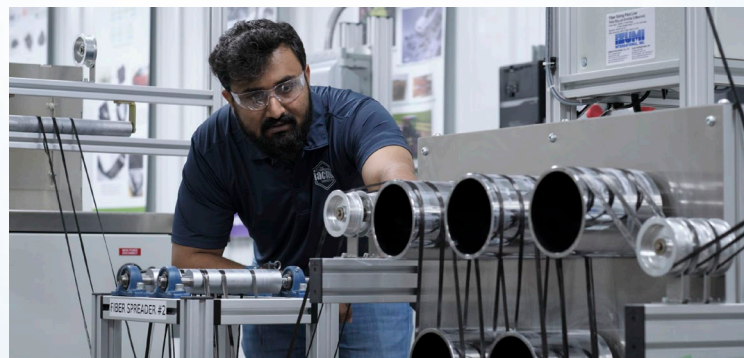
Innovations: Processes & Products

60 Research Projects → 90 Members → 40+ Commercial Products



Workforce Development

A National Need



THE NEED

60%

of manufacturers say they have ongoing difficulties in attracting and retaining workers.

IN DEMAND

2.1 million

manufacturing jobs could go unfilled by 2030.

STRONG PAY

\$98,846

average earning of US manufacturing workers in 2022.

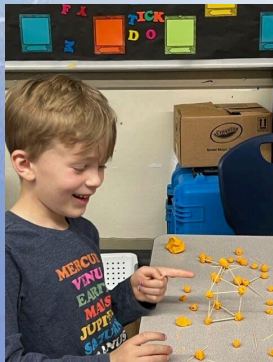
Workforce Development

Filling the Talent Pipeline



K-6

Inspire



7-12

Perception
Opportunity



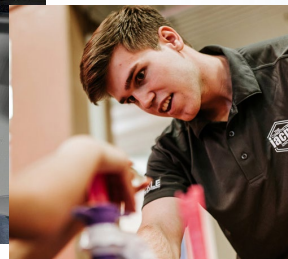
2-yr

Certification



4-yr

Hands On



Grad School

R&D



Incumbent

Retrain





ACE – America's Cutting Edge



15,154

Online Registrants Across All

50 STATES

3,514

Total In Person Participants

43

ACE Training Sites Across

14 STATES



13 available courses with 7 new courses published in 2025

- Intro to Composites
- Composites in Automotive
- Composites in Aerospace
- Composites in Machining
- Composites in Energy Storage
- Composites in Nondestructive Testing
- Smart Manufacturing

1st Composites Bootcamp at Winona State Completed





4,260	Total Direct Engagement at Outreach Events
675	Total Online Registrants
445	Total In Person Workshop Participants
107	Total In Person Bootcamp Participants
36	Total Interns Placed
21	Total Registered Apprentices Placed
15	Total Pre-apprentices Placed



Expanded into 5 sites and 4 additional states in 2025

7

METAL Training Sites Across

6 STATES

Internships

Real-world experience



**Now matching for
Fall 2025.**

**Spring 2026 applications
open soon.**



**AOD Engineer
Memphis**

Alix Ambross (UTK 2018)



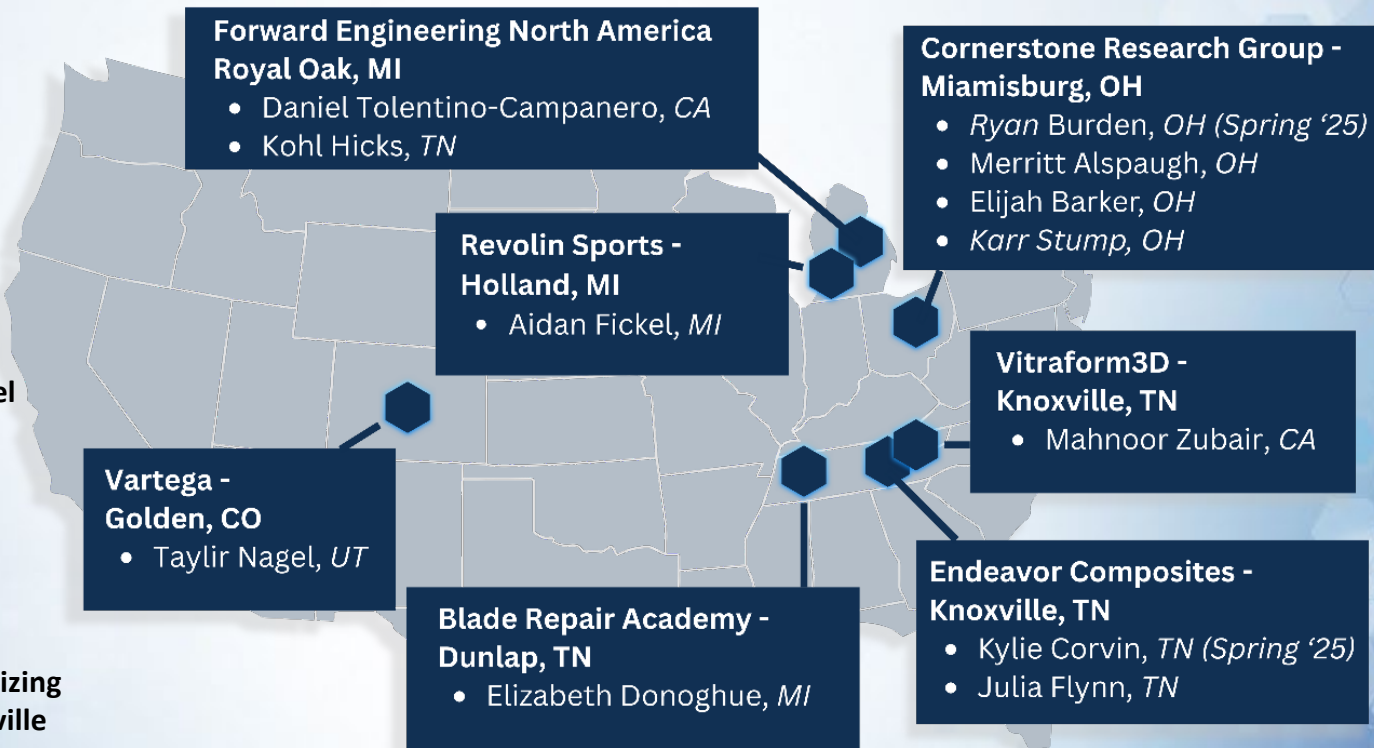
**Mkt & Bus Devel
Knoxville**

Haley Coughlin (UTK 2019)



**Fiber Sizing
Knoxville**

Will Henken (UTK 2024)



Economic Growth in TN

IACM-ORNL-UT Advanced Manufacturing Ecosystem

35

IACMI Member
Companies across TN

\$435M

Capital Investments in TN
by IACMI Partners

3,278

New Manufacturing Jobs
announced in TN

5

Start-Up Companies

>9,000

Workforce Students



150

Graduate &
Undergraduate
Students

Most Employed in TN

\$15M/yr

Annual Salaries



Positioned for Another Great Decade!!



**Technology Innovation +
Workforce Development
= Economic Growth**



- **Manufacturing**
- **Workforce Development**
- **Onshoring Jobs**
- **Economic Growth**
- **National Security**

Thank You!

