

IACMI's Impact: A Decade of Innovation

Chad Duty, CEO

June 25, 2025



Convene. Connect. Catalyze.

We've Come a Long Way!



Signing Day!
June 17, 2015



Project Impact Report



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



PORTED BY



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 Defense Innovation 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

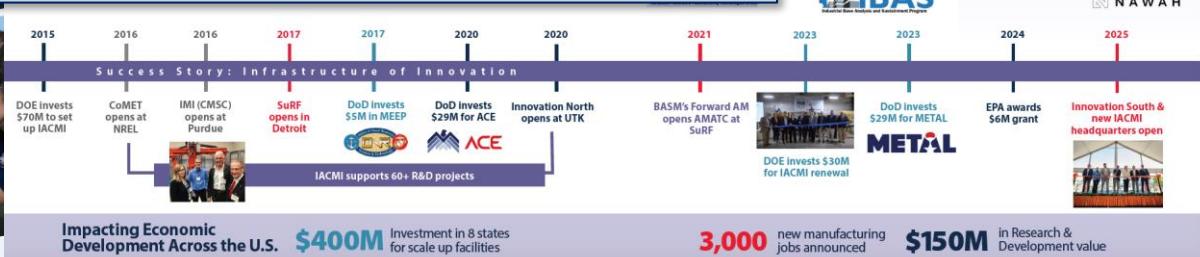
Advanced composites can make aerostuctures lighter, cars safer, and bridges last longer.

“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



Technology Innovation + Workforce Development = Economic Growth



Extensive Member Network

170+ members that span the supply chain



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



Innovation South

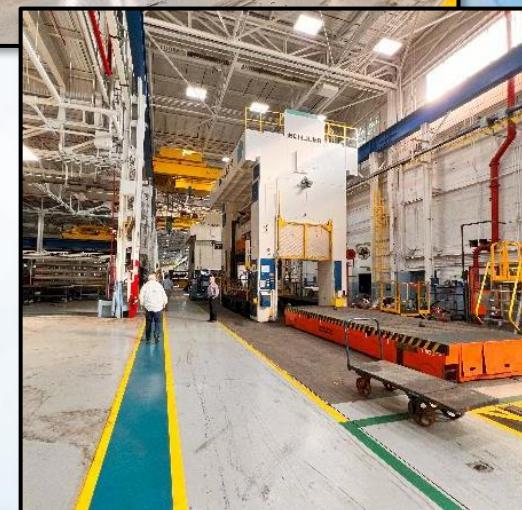
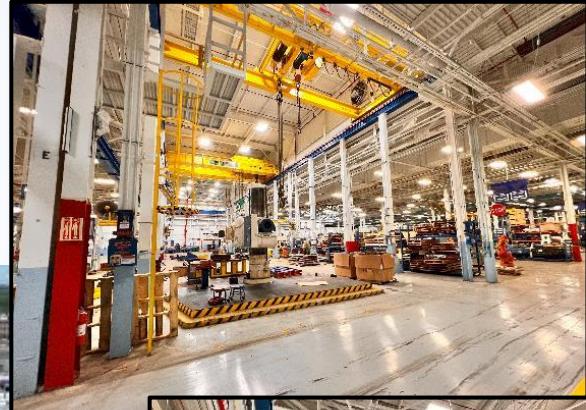
Fibers and Composites Manufacturing Facility (FCMF)



Scale-up Research Facility (SuRF)

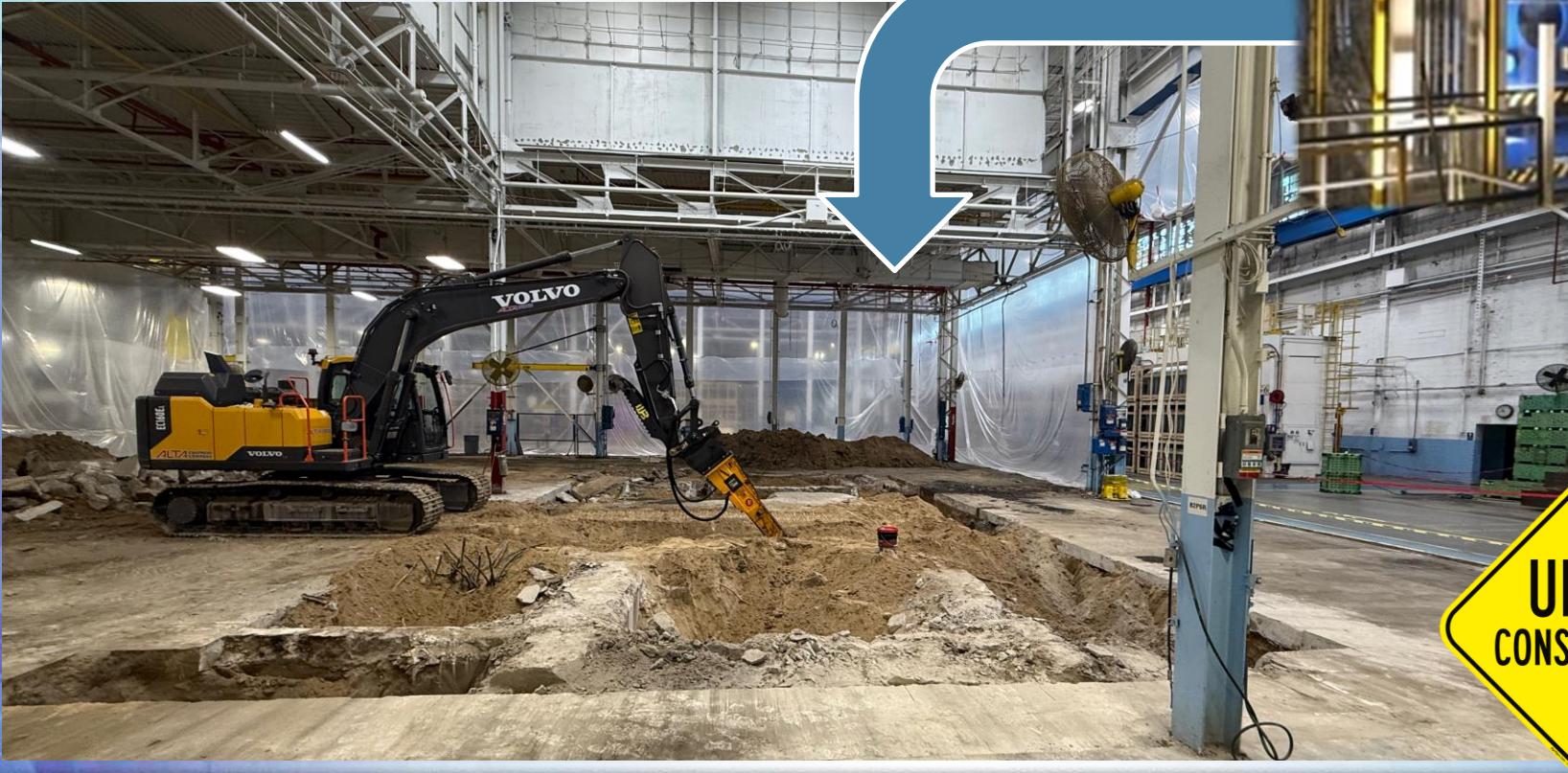
Mount Elliot Tool & Die (METD)

Lease signed December 2024



Scale-up Research Facility (SuRF)

Prepping for 4,000 ton compression press



Innovations: Processes & Products

60 Research Projects → 90 Members → 40+ Commercial Products



Economic Growth in OH

Innovation: A Competitive Advantage



- Airbus
- Abaris Training Resources
- Agile Ultrasonics
- Arkema
- C. A. Litzler Co., Inc.
- Cornerstone Research Group
- Cincinnati Incorporated
- Crown Plastics Co., LLC
- ExxonMobil
- Fibre Glast Development Corp
- FX Consulting, LLC
- GE Aerospace
- Gardner Business Media
- LyondellBasell
- Michelman, Inc
- Milacron
- Northrop Grumman
- Ohio State University
- Orbital Research
- Owens Corning
- Polygon Solutions
- Toray
- Solvay
- Zoltek

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

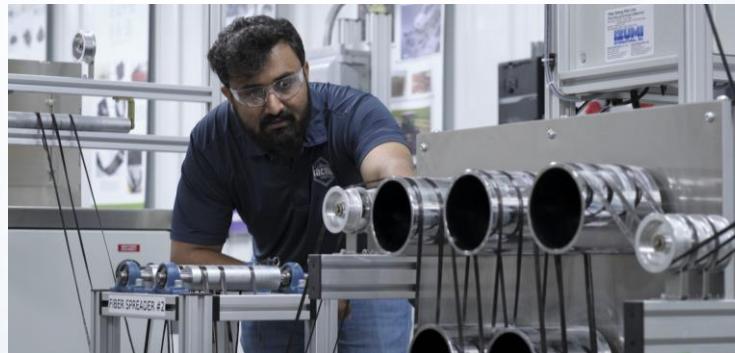
Annual Salaries



THE UNIVERSITY OF TENNESSEE
RESEARCH PARK
AT CHEROKEE FARM.

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





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



METAL - Metallurgical Engineering Trades Apprenticeship & Learning

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

METAL

Internships

Real-world experience



FedEx.

AOD Engineer
Memphis

Alix Ambross (UTK 2018)



ORBITAL
COMPOSITES

Mkt & Bus Devel
Knoxville

Haley Coughlin (UTK 2019)

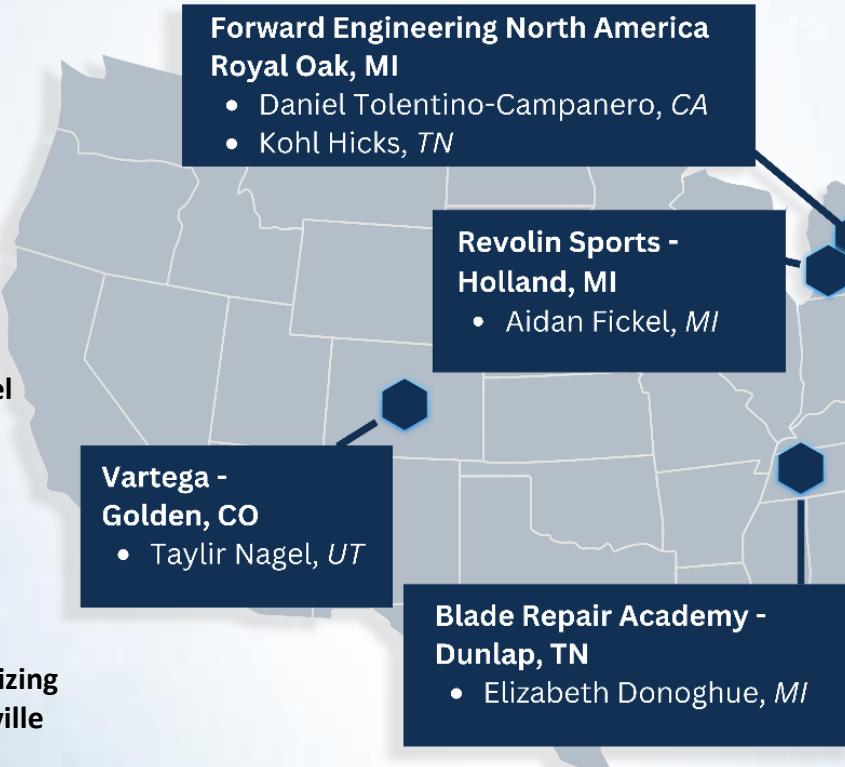


Fiber Sizing
Knoxville

Will Henken (UTK 2024)



Now matching for
Fall 2025.



Spring 2026 applications
open soon.

Cornerstone Research Group -
Miamisburg, OH

- Ryan Burden, OH (Spring '25)
- Merritt Alspaugh, OH
- Elijah Barker, OH
- Karr Stump, OH

Vitraform3D -
Knoxville, TN

- Mahnoor Zubair, CA

Endeavor Composites -
Knoxville, TN

- Kylie Corvin, TN (Spring '25)
- Julia Flynn, TN

Technology Innovation + Workforce Development = Economic Growth



What is?



Better Products, Processes & People

Technology R&D



Workforce Development

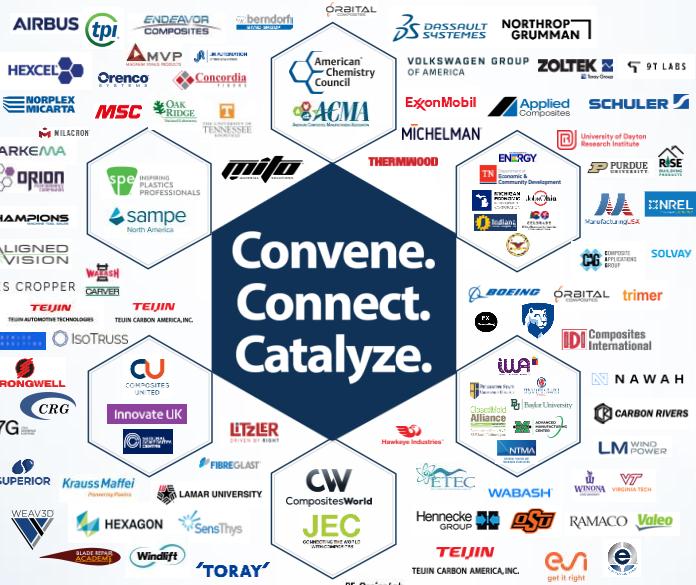




Technology R&D

Better Products, Processes & People

Convene. Connect. Catalyze.



Workforce Development





Vision:

Leading advanced composites innovation and
novel workforce solutions to strengthen
American manufacturing and national defense.



Mission:

To improve products, processes, and people's lives through
composites innovation and workforce solutions that secure
America as a global leader in advanced manufacturing.

Tagline:

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Tagline:

Convene, Connect, Catalyze

Positioned for Another Great Decade!!



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

