
ALMMII

American Lightweight Materials Manufacturing Innovation Institute

Fact Sheet

The **American Lightweight Materials Manufacturing Innovation Institute (ALMMII)** is a public-private partnership that will develop and deploy advanced lightweight materials manufacturing technologies, and implement education and training programs to prepare the workforce.

Lightweight materials are increasingly important to the competitiveness of transportation manufacturing sectors, including suppliers in the automobile, aircraft, heavy truck, ship, rail, and defense manufacturing industries. Lighter vehicles for the military, industry, and consumers alike, have better performance and use less fuel. They can carry larger loads and travel the same distances at lower cost and with fewer carbon emissions.

ALMMII was selected through a competitive process led by the **US Department of Defense** under the **Lightweight and Modern Metals Manufacturing Innovation (LM3I)** solicitation issued by the U.S. Navy's Office of Naval Research.

ALMMII's mission is to serve US manufacturing by supporting innovative manufacturing technologies, and enable cost effective lightweighting of components for the aerospace, automotive, defense, rail, and over-the-road truck industries. The institute's efforts will encompass the entire transportation supply chain, nurturing innovations from conception through design, development, and production.

ALMMII is led by Ohio-based manufacturing technology non-profit **EWI, University of Michigan,** and **The Ohio State University.** Its main office will be in Canton, Michigan, with significant activities in Columbus, Ohio.

In addition to ALMMII's three lead founders, more than **50 other companies, universities, non-profit research institutions, and workforce development intermediaries** from around the country will be involved in this public-private partnership. ALMMII is seeking additional small, medium, and large companies to become members of the institute.

The Institute is the newest addition to the **National Network of Manufacturing Innovation (NNMI)**, a White House initiative founded to help US manufacturers employ leading-edge technology to become more competitive.

The DOD award for the Institute is **\$70 million** in federal funding to be distributed over five years, matched by at least **\$78 million** from the consortium partners themselves. Cost share commitments came from industry, state and local governments, universities, and non-profits.

ALMMII is an independent non-profit incorporated in the state of Michigan. ALMMII is a lean organization which will maximize the value delivered by leveraging and integrating existing assets in its research and workforce partner facilities.

The ALMMII region includes 5 states: Michigan, Ohio, Indiana, Kentucky, and Tennessee. However, ALMMII integrates partners nationwide for research and workforce development, including those located in Illinois, Colorado, Texas, Massachusetts, and Pennsylvania.

ALMMII's scope will include:

- Contracting more than **\$100 million in R&D projects** with partner organizations throughout the country to nurture innovations from concept through design, development, and production.
- Establishing science, technology, and engineering curricula for **programs to educate the next generation** of manufacturing operators and engineers.
- Enabling up to **10,000 new jobs** in metal stamping, metalworking, machining, and casting.

ALMMII will open under the direction of **Lawrence Brown**, Executive Director; **Alan Taub**, Chief Technology Officer; **Dan Kramer**, Chief Innovation and Transition Officer; and **Emily DeRocco**, Workforce Director.

