



Where Manufacturing Technology and Talent Matter

A Public-Private-Partnership:
Department of Defense – Industry – Academia



Convening
Connecting
Catalyzing
Accelerating

LIFT – A National Manufacturing Innovation Institute

Driving American Manufacturing Into the Future Through Technology and Talent Development

The Detroit-based nonprofit, public-private partnership between government, industry, and academia driving the adoption of “smarter manufacturing” by solving the manufacturing equation:






lift™ Leading Innovations For Tomorrow

-  Integrated Computational Materials Engineering (ICME) and Computational Engineering
-  Agile and Smarter Manufacturing
-  Advanced Alloy and Process Development
-  Multi-Material Joining



lift™ Learning Innovations For Tomorrow

-  The LIFT Learning Lab
-  IGNITE: Mastering Manufacturing (High School)
-  Operation Next (CTE)
-  World-Class Certification Programs

The LIFT Advantage

A Think-and-Do Showcase and Sandbox



▲ Trusted Advisor

With experts in-house and an ecosystem across industries, LIFT is the **trusted advisor** for small and medium-sized manufacturers to help them transition toward a smarter manufacturing future.

▲ Technology Accelerator

LIFT helps organizations **move emerging technologies** from advanced concepts to commercialization so they can be adopted by industry and the warfighter faster.

▲ Technology Showcase

Bringing the “art of the possible” to reality, the LIFT **Technology Showcase** is where manufacturers see the benefits of connecting materials, processes, systems and talent.

▲ Connector

As a public-private-partnership between government, industry and academia, LIFT **connects** needs, ideas and people, to the organizations that can move the needle.

▲ Convener

With a national network of the Department of Defense, government, academia and industry, LIFT **convenes** experts in smarter manufacturing.

▲ Talent Developer

Developing new venues, tools and teaching techniques, LIFT’s competency-based, technology-infused **talent development** program is redefining manufacturing education.

▲ Government Partner

LIFT’s **partnerships across the federal government** eliminate barriers of entry for your organization and ensure rapid and efficient contracting combined with expert program management.

The LIFT Program

- ▲ 100,000 square-foot facility downtown Detroit – The heart of American Manufacturing
- ▲ \$50M in leading edge advanced manufacturing equipment
- ▲ Hosting more than 7,500 visitors annually
- ▲ Over 340 members of the LIFT ecosystem nationally
- ▲ More than 30 active technology projects involving large OEMs and small manufacturers employing over 1,000 people
- ▲ More than 5,000 people engaged in LIFT talent projects daily
- ▲ More than \$260,000,000 in funding has passed through LIFT since 2014





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THANK YOU!



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LIFT:
(313) 309-9003
communications@almmii.org
www.lift.technology