



# GEM

FACTORY OF THE FUTURE

◀ NAMING OPPORTUNITIES ▶



# A message from our GEM Leadership

We invite you to join us in a transformative endeavor: the GEM Factory of the Future. As leaders of the University of Maine, the Advanced Structures & Composites Center, the Maine College of Engineering and Computing, and the Maine College of Liberal Arts and Sciences, we recognize the profound impact of advanced manufacturing, defense innovation, and AI on our nation's capabilities and economic vitality.

By partnering with the GEM Factory of the Future through a naming opportunity, your organization gains premier visibility and directly contributes to shaping the future of American manufacturing. Your investment is a strategic alignment with an institution committed to excellence and impact, directly propelling:

- **Economical Manufacturing:** Driving new efficiencies and cost-effectiveness in production that will resonate across our state and nation.
- **Workforce Empowerment:** Preparing the next generation professionals to master the sophisticated advanced manufacturing interfaces.
- **Technological Breakthroughs:** Fostering human-technology interactions to enhance the research and development fundamentally transforming industrial processes and secure American competitiveness.

We believe that by collaborating, we can unlock advancements that create a more robust, efficient, and technologically advanced future for all. We invite you to explore the enclosed naming opportunities and discover how your commitment can leave an indelible mark on this vital national initiative.

Thank you.





**Joan Ferrini-Mundy, Ph.D.**

President of the University of Maine and its regional campus, the University of Maine at Machias, and the vice chancellor for research and innovation for the University of Maine System.



**Habib Dagher, Ph.D.**

Executive Director, Advanced Structures & Composites Center  
University of Maine



**Giovanna Guidoboni, Ph.D.**

Dean, Maine College of Engineering and Computing  
University of Maine



**Emily Haddad, Ph.D.**

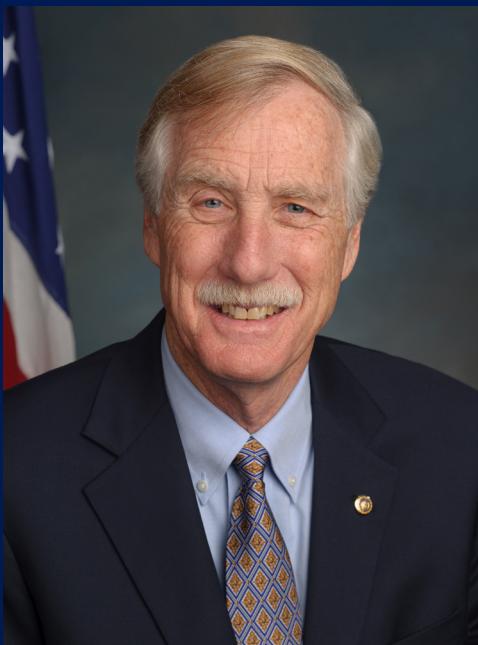
Dean, College of Liberal Arts and Sciences  
University of Maine

# Federal Support



The Factory of the Future will catalyze this research to transform the manufacturing and transportation sectors of our economy...I am proud to continue to support the excellent work of the faculty, staff, and students.

— Susan Collins, U.S. Senator, State of Maine



This is literally the future of manufacturing that's happening right here at the University, and I think it's a very, very exciting prospect.

— Angus King, U.S. Senator, State of Maine

# Industry Support

**“The GEM Factory of the Future represents a bold investment package that will transform this region into an advanced manufacturing powerhouse and exporter of high-value, sustainably managed forest products.”**

**— Dan Brennan, Director, MaineHousing**

**The ASCC has already proven itself to be at the head of this field, and to have the ability to showcase a full-size structure on-site, utilizing these emerging technologies, will go far in attracting investment in the state, encouraging construction of facilities, and education manufacturing, and customers alike.**

**— Alden Robbins, Vice President, Robbins Lumber, Inc**

**The fact that the demonstration project will house the world-class, state-of-the-art, new Green Engineering & Materials (GEM) Factory of the Future enhances the positive impact this project will have on Maine’s iconic forest products industry. Additionally, this facility will provide UMaine students with unparalleled training and educational opportunities.**

**— Paul Wainman, President and CFO, Hancock Lumber**

**The success of this project will benefit the entire softwood lumber industry with new opportunities to show the next generation of students the progressive future of forest products, not to mention the potential for expansion of sawmill operations and increased sales, adding to the economic growth within the state of Maine.**

**— Jeff Easterling, President, Northeastern Lumber Manufacturers Association**

**GEM**

# Key Areas & Labs

## NAMING OPPORTUNITY

# GEM

### The Ultimate Visionary Partnership

The GEM Factory of the Future represents the pinnacle of advanced manufacturing innovation – a national nexus where cutting-edge technology and human ingenuity converge. Naming this entire facility is the most prominent opportunity to align your organization with a groundbreaking initiative poised to redefine production processes, cultivate a future-ready workforce, and establish a new benchmark for economical manufacturing across the nation.

### Unmatched Impact and Visibility

By placing your name on the GEM Factory of the Future, you are directly supporting a strategic national asset and showcasing an unparalleled commitment to technological advancement. Your brand will become synonymous with the University of Maine's leadership in AI-enabled, large-scale, and hybridized manufacturing, benefiting from premier visibility and association with a facility actively shaping the future of American industry. This partnership directly fuels:

**Invest in the GEM Factory of the Future and embed your legacy at the very core of manufacturing's next era.**

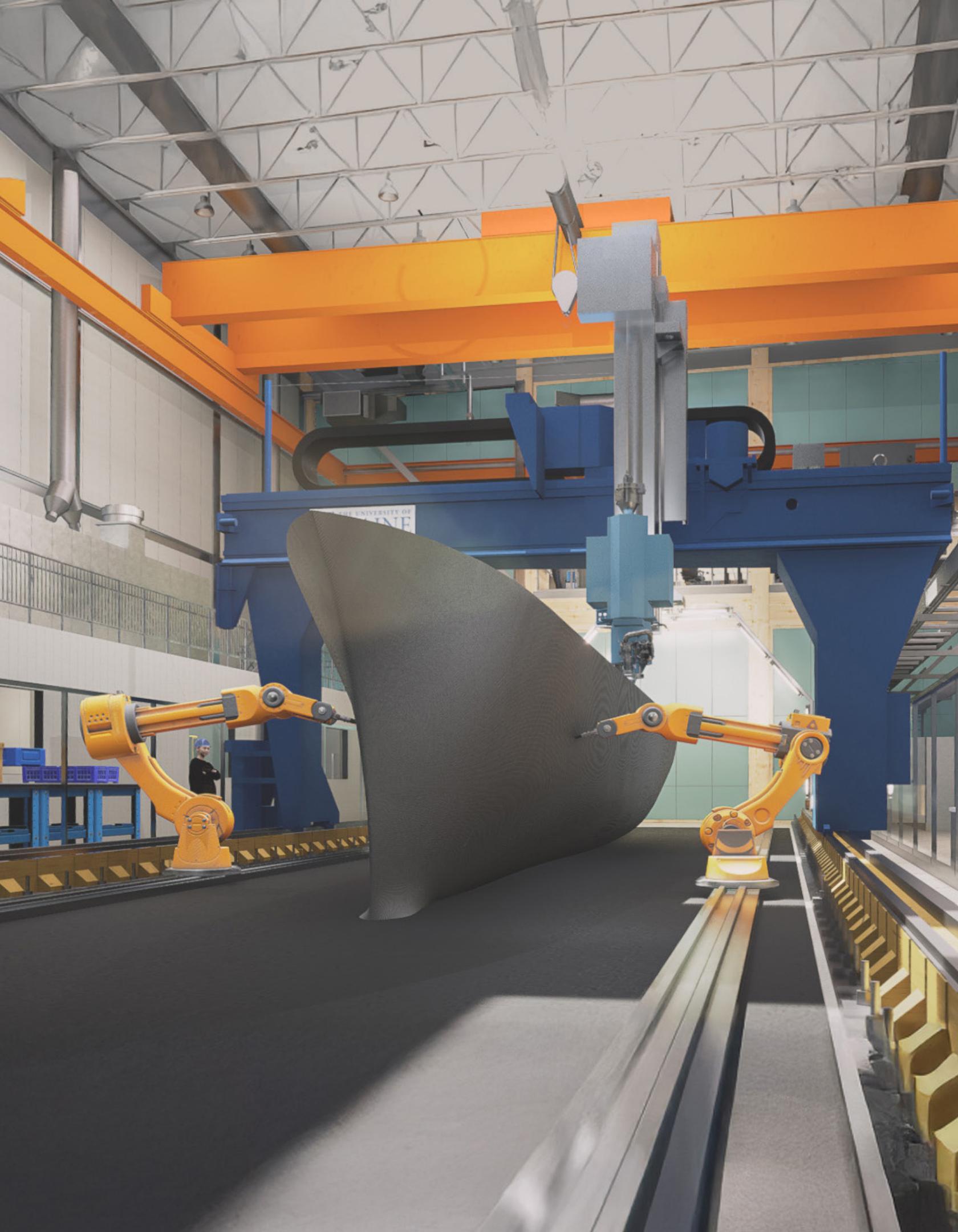
45,348 sq f

Available Sponsorships: 1

\$5M







## Key Areas & Labs

### NAMING OPPORTUNITY

# ADVANCED BOAT-BUILDING R&D

### THE NORTH BAY

Accelerate naval and commercial vessel production with the Advanced Marine Production Bay (North Lab). This is the ultimate collision space where AI-enabled design meets “convergent manufacturing,” integrating 3D printing with multiple advanced processes in a digitally seamless environment. Beyond speed, we leverage wood waste and recycled materials to create robust, cost-effective vessels and components, directly addressing supply chain vulnerabilities and workforce shortages. This dual-use facility is poised to redefine marine manufacturing for national defense, commercial shipping, and beyond.

7,737 sq f

Available Sponsorships: 1

\$2M

## Key Areas & Labs

NAMING OPPORTUNITY

# AFFORDABLE HOUSING INNOVATION



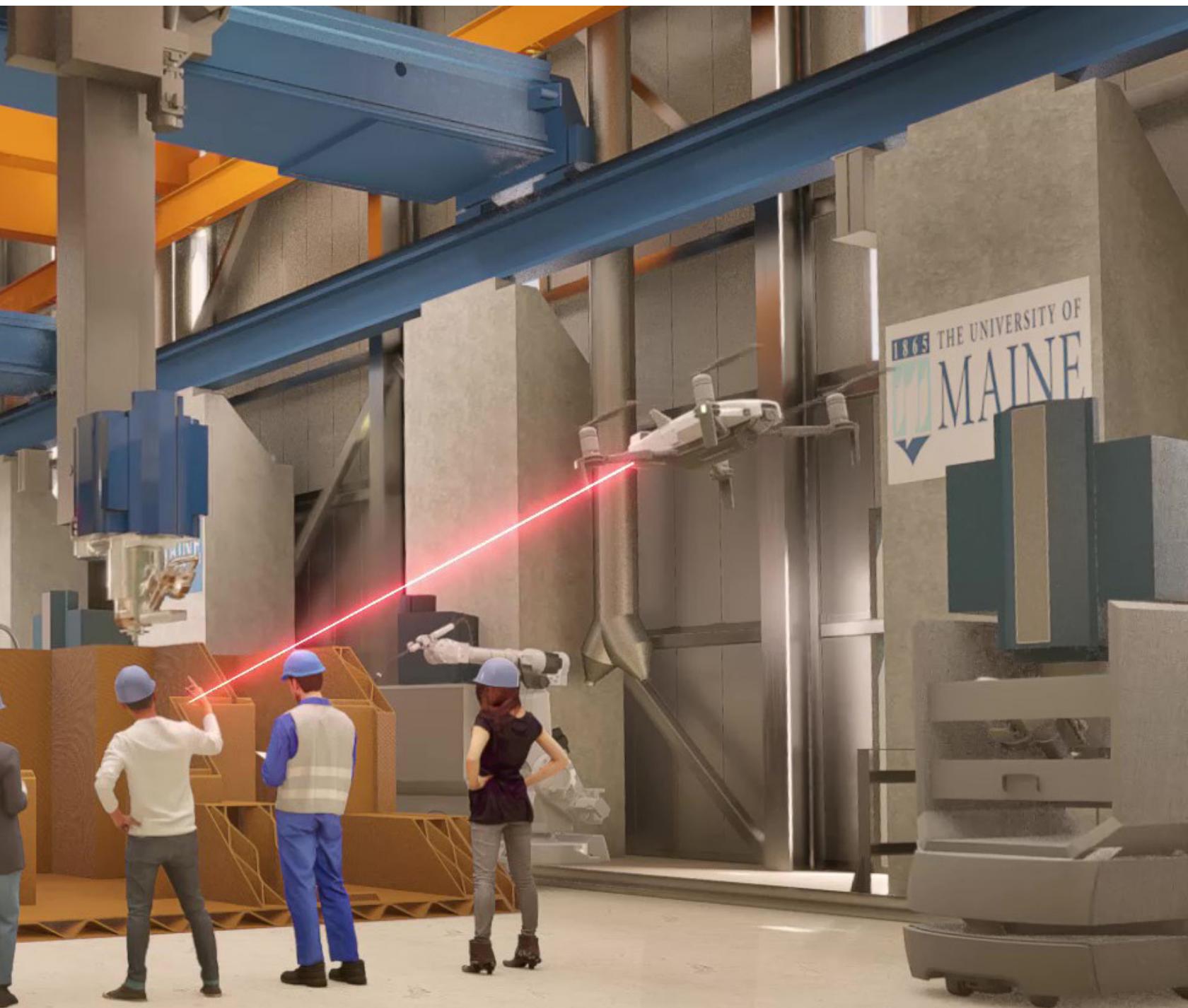
## THE SOUTH BAY

Dedicated to solving one of our nation's most pressing challenges, the Affordable Housing Manufacturing Research Line (South Bay) is an innovation hub designed to revolutionize construction. This dedicated facility, equipped with cutting-edge additive, subtractive, and hybrid manufacturing systems – including extrusion, milling, and collaborative robotics – is driven by AI and high-performance computing. It functions as a nationwide resource and flexible testbed, where new home designs are rapidly produced, rigorously tested, and commercialized. By accelerating concepts through design, construction, and data-driven evaluation, this facility is engineered to dramatically reduce construction costs and increase the speed of production for affordable housing units, directly addressing critical housing shortages across the country.

7,880 sq f

Available Sponsorships: 1

\$2M



# Key Areas & Labs



## NAMING OPPORTUNITY

### Mini GEM

More than a lab, the Mini GEM is where foundational skills for future manufacturing leaders are forged. This unique, visually synergistic space meticulously scales down Industry 4.0 environments, offering unparalleled hands-on expertise in human-technology interaction. Building on the Maine College of Engineering and Computing (MCEC)'s legacy of engineering and computing excellence, and fostering an interdisciplinary approach with the College of Liberal Arts and Sciences' critical thinking and creativity, students master complex processes before seamlessly transitioning to the Advanced Structures & Composites Center (ASCC)'s full-scale production labs. It's the essential launchpad accelerating a highly skilled professional pipeline for economical manufacturing.

1,748 sq f

Available Sponsorships: 1

\$2M



## NAMING OPPORTUNITY

### Research Gateway

This Research Gateway is more than an entrance; it's the definitive threshold to a new era of innovation, where the strengths of the Maine College of Engineering and Computing (MCEC) and the College of Liberal Arts and Sciences converge.

Sponsoring this Gateway means investing in a future where new ideas are cultivated, empowering students to design, build, and innovate for a better world, ultimately fueling economical manufacturing and global impact.

2,060 sq f

Available Sponsorships: 1

\$2M

# Learning Labs & Operations

## MCEC & ASCC Lab Operations Office

This Combined Lab Operations Office represents the integrated strength of the Maine College of Engineering and Computing (MCEC) and the Advanced Structures & Composites Center (ASCC). It's the vital coordination hub where diverse expertise unites, ensuring peak operational efficiency and driving the daily advancements within our labs.

173 sq f

Available Sponsorships: 1

\$75K

## Materials Processing & Characterization Lab

The Materials Processing and Characterization Lab is the foundation of next-generation economical manufacturing. Here, researchers engineer innovative materials from abundant resources, directly contributing to advancements in efficient production and groundbreaking human-technology interaction in manufacturing processes.

1,628 sq f

Available Sponsorships: 1

\$750K - 1M

## Distance Learning Lab

The Distance Learning Lab extends the reach of GEM's groundbreaking education and training, transcending geographical barriers. It's where the next generation of manufacturing professionals, regardless of location, can master human-technology interaction and acquire critical skills for economical production.

714 sq f

Available Sponsorships: 1

\$300K

## Active Learning Lab

The Active Learning Lab is dedicated to cultivating mastery in skill-based training, directly integrating students and researchers with cutting-edge manufacturing processes. This hands-on environment is vital for developing the workforce fluent in human-technology interaction needed for Industry 4.0.

1,049 sq f

Available Sponsorships: 1

\$400-500K

## Lab Control Room

The Lab Control Room is the vigilant brain of our advanced manufacturing operations. It's where human expertise precisely guides Industry 4.0 technology, ensuring the seamless, efficient, and optimized performance of our labs, bringing complex processes to life.

170/194 sq f

Available Sponsorships: 2

\$75K

## Atrium

These expansive Open Work and Common Spaces are crucibles for spontaneous collaboration and community. Designed for dynamic interaction, they foster an environment where ideas freely collide, nurturing a shared sense of belonging and accelerating innovative solutions in advanced manufacturing.

1,166 sq f

Available Sponsorships: 1

\$750K - 1M

# Collaboration & Administration

## Lab Operations Office

The Lab Operations Office is the strategic nerve center orchestrating the day-to-day rhythm of our cutting-edge labs. Sponsoring this space means empowering the seamless coordination that ensures maximum efficiency and fosters a unified, high-performance team dedicated to manufacturing innovation.

144 sq f

Available Sponsorships: 1

\$50K

## Conference Rooms

Smaller conference rooms for quick meetings, permitting teammates to touch base and re-center their focus on their projects.

104/177/237sq f

Available Sponsorships: 5

\$50 - 100K



## **Staff Office - Single**

These Individual Staff Offices provide essential spaces for focused expertise, enabling our leading researchers and faculty to deep dive into complex challenges. Sponsoring an office empowers the individual brilliance that contributes to our collective impact in economical manufacturing and human-technology integration.

101/101/102 sq f

Available Sponsorships: 3

\$25K

## **Staff Office - Shared**

An office space that nurtures teamwork between colleagues, allowing free and open communication in a place that facilitates balanced collaboration.

658/175 sq f

Available Sponsorships: 2

\$75K



# Collaboration & Administration

## Reception Area

The Reception Area is the dynamic face of the GEM Factory of the Future, serving as the essential connection point between our internal advancements and the broader world. It's where partnerships begin and the impact of our integrated human-technology approach becomes immediately evident.

436 sq f

Available Sponsorships: 1

\$250K - \$500K

## Focus Room

The Focus Rooms offer vital havens for deep concentration and strategic thought. These quiet, distraction-free environments empower students, faculty, and staff to refine their ideas and solve complex challenges, fueling the individual contributions essential to our collective manufacturing innovation.

53 sq f

Available Sponsorships: 4

\$25K

## Multipurpose Room

This Multipurpose Room is a flexible arena for integrated learning and collaborative project development. It empowers students to cultivate essential professional skills and teamwork, embodying the collaborative spirit of the GEM Factory of the Future's human-technology driven approach.

1,672 sq f

Available Sponsorships: 1

\$250K - \$500K





# An Investment In Maine's Future

**GEM**

At the University of Maine, our commitment to innovation is deeply rooted in over **150 years of engineering excellence and three decades of pioneering manufacturing innovation**. The GEM Factory of the Future is the bold evolution of this legacy, a strategic investment that will accelerate economical manufacturing, redefine human-technology interaction, and serve as the essential collision space for groundbreaking advancements.

Be part of this future. Support the GEM Factory of the Future initiative today.



## Advanced Structures & Composites Center



[composites.umaine.edu](http://composites.umaine.edu)

35 Flagstaff Rd, Orono, ME, 04469

[maine.edu](http://maine.edu)



The University of Maine System is an equal opportunity institution committed to nondiscrimination.