

Clean Energy Smart Manufacturing Innovation Institute (CESMII)

In partnership with the U.S. Department of Energy, CESMII brings over \$140 million in public-private investment to radically improve the precision, performance and efficiency of U.S. advanced manufacturing.

Join a national network including partners from industry and leading universities, national labs and associations to advance manufacturing competitiveness, sustainability and innovation.

CESMII's mission is to enable Smart Manufacturing to become the driving, sustainable engine that delivers real-time business improvements in U.S. Manufacturing. CESMII enables rapid technology adoption to increase productivity, job growth, energy efficiency, safety and time to market for companies of all sizes.

WHAT IS SMART MANUFACTURING

Smart Manufacturing (SM) enables all information about the manufacturing process to be available when it is needed, where it is needed, and in the form it is needed across the entire manufacturing value-chain to power smart decisions. Islands of efficiency become interoperable, networked, and resilient solutions to drive transformational manufacturing enterprise performance for any size, level of technical sophistication, or resource availability at lower cost.



Power of a National Network Regional Manufacturing Centers

CESMII is a national network of Regional Manufacturing Centers (RMCs) each focused on local relationships with opportunities for national impact in the areas of technology transfer and workforce development. The centers cross-link resources, capabilities and expertise and provide services across business, workforce and technical focus areas.

Regions include California, Gulf Coast, Southeast, Northeast, Northwest and the Midwest. CESMII headquarters is located in Los Angeles, CA.

Accelerating Your Smart Manufacturing Journey

Tackle Today's Challenges

CESMII Provides Solutions

CESMII uses an integrated approach of advanced sensors, controls, platforms, and modeling across a diverse portfolio of projects to achieve critical mass for widespread SM adoption and industry driven transformation. CESMII leverages an open platform and marketplace for industrial applications enabling both users and providers access to business new opportunities and solutions.

Without a modern, secure, open-architecture infrastructure, or software platform for industrial applications, we will continue to struggle to share data across devices, machines, sensors and systems.

CESMII is not just for large multi-national manufacturers, but applies to small, medium and large enterprises, and integrates with each company's installed base of equipment. Industry test beds and our regional resources and expertise create an environment where Smart Manufacturing concepts can be developed, validated, tested and implemented to ensure scalable, repeatable solutions to industry problems. In addition to developing new tools and solutions, CESMII lowers the barriers of use for all companies that want to adopt existing tools like advanced data analysis, modeling, and simulation. CESMII defines skills and developing training requirements today to enable existing and the future workforce to drive results.

WHY JOIN CESMII

CESMII members have access to an open and secure Smart Manufacturing Platform, test-beds, research and development, implementation services, workforce training and a solution marketplace all orchestrated to accelerate your success in Smart Manufacturing.

BENEFITS

- Workforce & Training
- Research & Development
- Testbed & Application Projects
- Knowledge & Networking
- Enabling Infrastructure
- Marketplace of Solutions
- Partnerships
- Sustainability

BROAD IMPACT

- Grow profits faster through global competitiveness and customer satisfaction
- Improve access and use of data, vertically and horizontally across the enterprise
- Reduce the amount of time and resources to reach the organizations objectives
- Optimize existing assets through improved energy efficiency, modeling and agility
- Improve safety and environmental objectives

Smart Manufacturing *enables* the ability to solve existing & future problems while creating new value at the speed of business.

CONTACT US

<https://cesmii.org>

Email: info@cesmii.org

