



Advanced Manufacturing facts for the

COMMUNITY

Visit our website: makingitincalifornia.com/losangeles

Los Angeles County Region CACT

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Centers for Applied Competitive Technologies (CACT) Accelerating advanced manufacturing in the Los Angeles region

**Los Angeles is a manufacturing powerhouse --
with incredible potential.**

We're already formidable. The Los Angeles region is an extraordinary manufacturing center – the largest in the United States with 365,500 jobs in 2012 in Los Angeles County alone¹.

We're gaining national attention and resources. In May 2014, the United States Commerce Department named Southern California one of 12 "Manufacturing Communities" nationwide as part of the Investing in Manufacturing Communities Partnership (IMCP) initiative. IMCP is designed to accelerate the resurgence of manufacturing by supporting the development of long-term economic development strategies.

**What is advanced manufacturing and why is
it important?**

Advanced manufacturing is the use of advanced technology to improve products or processes. More precisely, it's the extensive use of computer, high precision, and information technologies integrated with a high performance workforce in a production system capable of furnishing products in small or large volumes with both the efficiency of mass production and the flexibility of custom manufacturing in order to respond rapidly to customer demand².

Demand for advanced manufacturing in the Los Angeles region is on the rise, with job growth expected to surge by almost 50% by 2018³.

Advanced manufacturing jobs in the Los Angeles area pay well.

High-tech manufacturing workers earn, on average, more than other manufacturing workers: \$43,360 more annually in Los Angeles County, \$32,800 more in Orange County and \$24,200 more in Riverside County⁴.

Manufacturing is a critical component of our economy.

Manufacturing was identified by the California Economic Summit as a key priority for the state and was issued an Action Team Charter with the mission of develop strategies to advance manufacturing and exports.

^{1, 4} Employment and Competitiveness in the 21st Century, Institute for Applied Economics, Los Angeles County Economic Development Corporation, June 2014.

^{2, 3} Employer Survey Results, Advanced Manufacturing, Los Angeles County, Orange County, Central Valley, Centers of Excellence, December 2013.

How does CACT accelerate advanced manufacturing in the Los Angeles region?

The Centers for Applied Competitive Technologies (CACT) is a college-based team of experts that provides technology education, manufacturing training, and consulting services in the advanced manufacturing sector. Our highly specialized technical consultants and instructors are part of the California Community Colleges Economic and Workforce Development (CCCEWD) initiative. We enable companies and individuals to compete successfully in changing markets and the global economy.



“California has almost 1.5 million manufacturing jobs and the sector enjoys a 2.5 job multiplier. Manufacturing is part of the supply chains for health care, business services, national defense, energy, construction, and environmental sustainability. Specifically, manufacturing products and technologies are essential to enable better health care systems, create more energy-efficient buildings, develop alternative energy sources, ensure U.S. security, and create better transportation systems.”

**Jose Anaya, Sector Navigator,
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We are preparing the next generation of advanced manufacturing workers.

We invest in close to 100 advanced manufacturing programs across 22 California community college campuses, with almost 18,000 students currently enrolled. We provide state-of-the-art, hands-on training for in-demand careers such as aeronautical & aviation technology, drafting technology, electrical, electronics & electric technology, industrial electronics, engineering technology, engineering (transfer), manufacturing & industrial technology, machining & machine tools, mechanical drafting, plastics & composites, sheet metal & structural fabrication and welding. Many of our programs offer apprenticeship opportunities and can lead to industry-recognized credentials.

We enable employers to compete.

We offer Los Angeles area manufacturers access to onsite training, low- or no-cost technical assistance and educational workshops, as well as information on how to qualify for state funds to assist with retraining employees and upgrading equipment. These investments assist businesses to better understand the trends and labor market pertaining to their industry, and make informed decisions about how to grow and compete.

Learn more

- Schedule a briefing about advanced manufacturing from CACT. Contact David Gonzales at (310) 973-3170 or dgonzales@elcamino.edu.
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