

## Deputy Sector Navigator, Advanced Manufacturing

Trudy Gerald, San Diego City College

In July 2013 CACT-SD at San Diego City College was awarded the role of Deputy Sector Navigator (DSN) by the California State Chancellor's Office. This in part was due to the fact that the region had already established a foundation for serving the advanced manufacturing industry with the State Chancellor's EWD initiative; The Center for Applied Competitive Technologies at San Diego City College (CACT-SD). CACT-SD was established at San Diego City College in 1989 as part of the State Chancellor's economic and workforce development initiative. The mission of CACT-SD is to advance global competitiveness and innovation for advanced technology companies in California through responsive workforce training and technology consulting services.

Manufacturing remains a vital component to the San Diego/Imperial Counties regional economy. There is a move away from outsourcing to insourcing and employers in the sector want community colleges to better partner with their local manufacturing businesses to develop more short-term programs and solutions to the industry's workforce development needs. The CACT-SD provides in-depth services to a large and diverse region with a focus on the manufacturing industry clusters with the largest growth and high annual wages – 1) Advanced Precision Manufacturing; 2) Aerospace, Navigation, and Maritime Technologies (Shipbuilding and Repair Industry); and 3) Biomedical Devices and Products Industry; 4) Cleantech; 5) Biotechnology and Pharmaceuticals

Employers in the manufacturing industry need real-time, responsive solutions to their ever changing workforce needs driven by the fluidity of client demands. Working under the auspices of the SDICCCA Regional Consortium, the DSN will play a vital role in workforce systems collaboration. Promoting the *Doing What Matters* framework will require leveraging the resources of various assets in the region.

<b>Regional Resource</b>	<b>leveraging regional assets and partnerships</b>
SDICCCA Regional Consortium	Work with the Regional Consortia, to include education, industry and economic development agencies, to address workforce development gaps, and strategize to target efforts to advance implementation of sector strategies.
Statewide Advanced Manufacturing (AM) Navigators	Collaborate with other Advanced Manufacturing (AM) Sector Navigators to create statewide standards for curriculum and programming; offer professional development opportunities throughout the state; present best practices in the AM field statewide.
SB 70 Community Collaboratives	Work with Community collaboratives to focus on articulation and career pathways, faculty externships, middle/high school outreach.
Advanced Manufacturing Industry	Industry partners will provide occupational skill needs, subject matter expertise, up-to-date information on important industry workforce trends, and partner in the design, implementation and evaluation of workforce development strategies.
Economic Development Entities	Regional economic development organizations will provide regional workforce need information, as well as connections to regional Advanced Manufacturing employers.
San Diego Technology Incubator	Promote entrepreneurship and new manufacturing ventures through the San Diego Technology Incubator.

Sampling of CACT-SD's Recent Accomplishments	
Curriculum Development	<ul style="list-style-type: none"> <li>Partnered with college faculty and industry experts to integrate green manufacturing technologies into existing engineering, manufacturing, and electrical programs.</li> </ul>
Technical Assistance	<ul style="list-style-type: none"> <li>Developed active Database of Manufactures in the region</li> <li>Provided training to 100+ employers in a region-wide Manufacturing series.</li> <li>Continued The San Diego Technology Incubator in support of new entrepreneurs and technology ventures.</li> </ul>
Training Services	<ul style="list-style-type: none"> <li>Trained 120+ incumbent workers in manufacturing and engineering design firms in a <i>Think Lean</i> series.</li> <li>Launched the Manufacturer's Institute &amp; ShipWorks institute, both 120-hour continuing education programs developed in partnership with industry to build critical competencies and identify career pathways of new and incumbent workers. <ul style="list-style-type: none"> <li>Over 200 entry level workers trained; 76% placement rate in Maritime related Industries.</li> </ul> </li> <li>Hosted 26 workshops in various manufacturing, construction, engineering related topics in 2013/14 fiscal year.</li> </ul>
Partnership Development	<ul style="list-style-type: none"> <li>Title Sponsor of the San Diego EDC Manufacturing Day, October 3, 2014.</li> <li>Airport Minority Advisory Council Project Lift Chair; an annual nationwide scholarship program exposing high school minorities and females to manufacturing/engineering professionals who compete for airport contracts to design, build, and operate the nation's airports.</li> <li>Initiated the San Diego Chamber of Commerce's decision to support and promote the "Doing What Matters Initiative".</li> <li>East County EDC manufacturing, education and workforce committee</li> <li>North County EDC chamber of Commerce</li> <li>National Maritime Education Council</li> <li>Port of San Diego Ship Repair Association</li> <li>San Diego Airport Authority</li> <li>Wounded Warrior Project Partner</li> </ul>