

21st Century Manufacturing Skills: New American Jobs for the New American Century

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Creating jobs that will meet the competitive needs of our industries, our economy, and most importantly our people. *The Midwest Project for SME – OEM Use of Modeling and Simulation* is the first large-scale public-private partnership of the United States Government, Original Equipment Manufacturers (OEMs), state and university computing centers, the State of Ohio, and other non-governmental organizations to provide education, training, and access to computing resources for the Small and Medium-Size Enterprises (SME's) manufacturing workforce to develop modeling and simulation skills.

The Project will improve competitiveness and innovation capacity in Small and Medium-size Enterprises (SME's) in the U.S. Manufacturing supply chain. The ultimate outcome of the Project includes:

- A US workforce with enhanced technical skills,
- Improved US product quality,
- Better customization of US products, and
- US Job retention and growth.

The Council on Competitiveness is leading the Project with partners:

Ohio Supercomputer Center (OSC)
The Procter & Gamble Company
Lockheed Martin
General Electric Energy
John Deere Company
The National Center for Supercomputing Applications (NCSA)
The National Center for Manufacturing Sciences (NCMS)
Purdue University

These partners and others will form the **National Digital Engineering and Manufacturing Consortium (NDEMC)** to engage SME manufacturers.