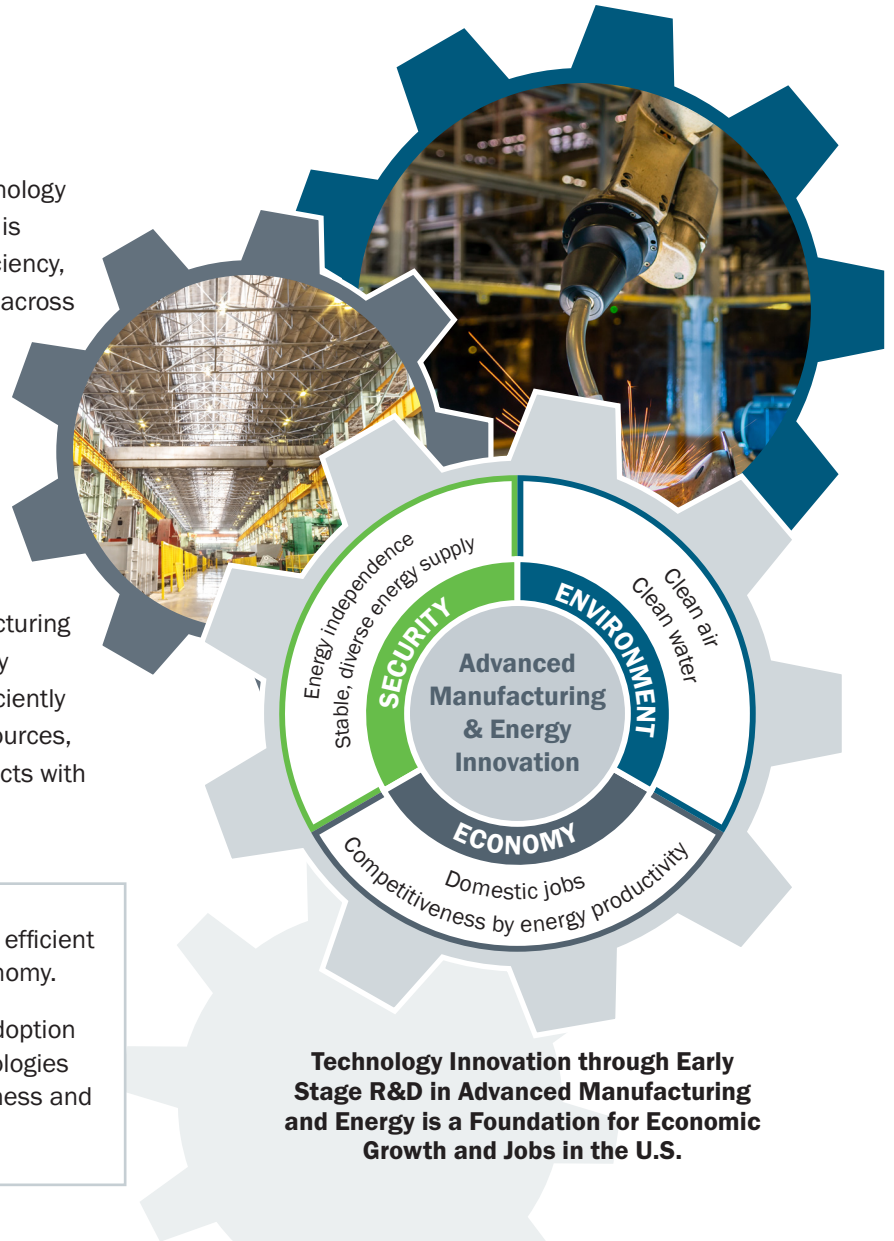


# Advanced Manufacturing Office

## Overview

The Advanced Manufacturing Office is the only technology development office within the U.S. Government that is dedicated to improving the energy and material efficiency, productivity, and competitiveness of manufacturers across the industrial sector.

AMO brings together manufacturers, not-for-profit entities, research organizations, and institutions of higher education to identify challenges; catalyze innovations; and develop cutting-edge material, process, and information technologies needed for an efficient and competitive domestic manufacturing sector. By targeting efficient manufacturing technologies, AMO seeks to drive energy productivity improvements in the U.S. manufacturing sector, efficiently utilize abundant and available domestic energy resources, and support the manufacture of clean energy products with benefits extending across the economy.



**Technology Innovation through Early Stage R&D in Advanced Manufacturing and Energy is a Foundation for Economic Growth and Jobs in the U.S.**

**VISION:** U.S. global leadership in sustainable and efficient manufacturing for a growing and competitive economy.

**MISSION:** Catalyze research, development and adoption of energy-related advanced manufacturing technologies and practices to drive U.S. economic competitiveness and energy productivity.

## AMO Strategic Goals

- Improve the productivity and energy efficiency of U.S. manufacturing
- Reduce lifecycle energy and resource impacts of manufactured goods
- Leverage diverse domestic energy resources in U.S. manufacturing, while strengthening environmental stewardship
- Transition DOE supported innovative technologies and practices into U.S. manufacturing capabilities
- Strengthen and advance the U.S. manufacturing workforce



## Office Structure

Organizationally, AMO pursues its goals through the following three subprogram approaches:

### R&D PROJECTS: Bridging the innovation gap

The Advanced Manufacturing R&D Projects subprogram supports innovative advanced manufacturing applied R&D projects that focus on specific high-impact manufacturing technology and process challenges. The subprogram invests in foundational energy-related advanced manufacturing technologies that impact areas relevant to manufacturing processes and broadly applicable platform technologies.

### R&D CONSORTIA: Public-Private consortia model

The Advanced Manufacturing R&D Consortia subprogram helps the United States position itself as a world leader in strategic areas of manufacturing by bringing together manufacturers, suppliers, companies, institutions of higher education, national laboratories, and state and local governments in public-private R&D consortia. These partnerships create an innovation ecosystem that accelerates technology development and facilitates the transition of innovative advanced manufacturing technologies to industry.

### TECHNICAL PARTNERSHIPS: Direct engagement with Industry

The Technical Partnerships subprogram provides critical support to the adoption of advanced energy efficiency technologies and practices. The subprogram supports the adoption of cost-effective combined heat and power (CHP) technologies; provides resources to assist manufacturers in reducing their energy use intensity; promotes the adoption of energy management programs, provides targeted energy efficiency, productivity, and waste/water use reduction practices to small- and medium-sized manufacturers.

MANUFACTURING  
ACCOUNTS FOR ROUGHLY  
**25% OF U.S. ENERGY CONSUMPTION**  
GENERATES **12% OF U.S. GROSS  
DOMESTIC PRODUCT (GDP)**,  
AND EMPLOYS MORE THAN  
**12 MILLION AMERICANS.**

## Leadership

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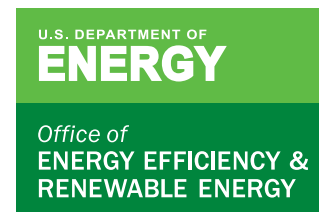
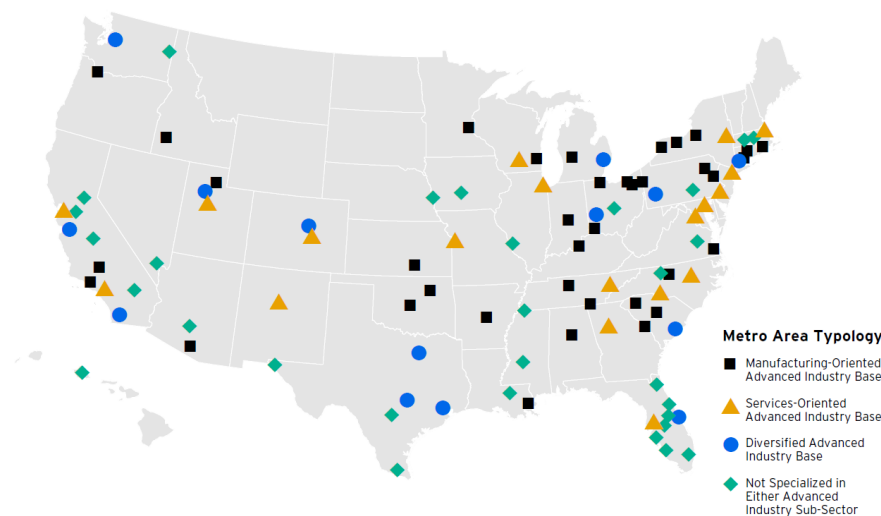
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