California

| Project Title	California Smart Manufacturing Leadership Program (CA SMLP)
Project lead	California Governor's Office of Planning & Research
Project Lead Location	Sacramento, CA
Federal Share	$2,000 000
Recipient Cost Match	$782,910

Project Description:

California's Smart Manufacturing Leadership Program will educate and guide small- and medium-sized manufacturers (SMMs) in the adoption of smart manufacturing technologies and methodologies to be more resilient and globally competitive. Their program will create awareness of the value and benefits of smart manufacturing through education and outreach and will offer smart manufacturing boot camps, pre-apprenticeships and apprenticeships, and upskilling of existing SMMs' workforce as well as provide technical assistance to help SMMs adopt smart manufacturing technology and provide energy and smart manufacturing assessments. The program is partnering with numerous community partners and community colleges as well as two Industrial Assessment Centers and the CESMII Smart Manufacturing Institute, and will focus support in the Bay Area, Los Angeles, and San Diego, with the goal of expanding advanced manufacturing job opportunities to historically underrepresented groups.

Connecticut

Project Title	Connecticut's Smart Manufacturing Assessment and Access to Reduce Technology Emissions (CT SMARTE)
Project lead	Connecticut's Department of Economic and Community
Project Lead Location	Hartford, CT
Federal Share	$2,000 000
Recipient Cost Match	$600,000
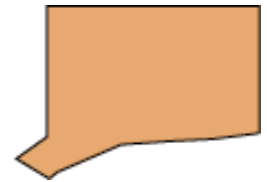
Project Description:

Connecticut's Smart Manufacturing Assessment and Access to Reduce Technology Emissions (CT SMARTE) will accelerate the deployment and adoption of smart manufacturing and High-Performance Computing (HPC) technologies for SMMs in disadvantaged areas. Through leveraging existing relationships with industry, academic, technology, and community partners, to include the state's NIST MEP center, Connecticut Center for Advanced Technology Inc. (CCAT), and Industrial Assessment Center at the University of Connecticut, the program will support SMMs to increase efficiency, productivity and reduce energy consumption and costs through implementation of smart manufacturing and HPC technologies. The program will focus on supporting the green energy, aerospace and defense, and semiconductor industries based on their high impact on the environment and economy in the state.

Hawaii

Project Title	Hawaii's Smart Manufacturing Training Program
Project lead	INNOVATE Hawaii
Project Lead Location	Honolulu, HI
Federal Share	$1,054,012
Recipient Cost Match	$451,720

Project Description:

Hawaii's Smart Manufacturing Training Program, led by INNOVATE Hawaii, the state's NIST MEP Center, plans to support SMMs in all Hawaii counties to adopt smart manufacturing to meet the current and future needs for SMMs to expand their business and improve their energy use. The program's primary goal is to provide workforce training to Hawaiian SMMs and their employees on the operation and maintenance of smart manufacturing technology and new automation processes and aims to educate SMMs on the benefits and energy saving efficiencies of transitioning into smart manufacturing. The program will provide a variety of training and technical assistance services in the form of workshops, one-on-one counseling, and virtual and in-person seminars. This program will aid the State in reducing Hawaii's carbon footprint and may provide energy alternatives and energy reduction within SMMs to help cut the costs of utilities.

Iowa

| Project Title	Smart Manufacturing Capacity Building in Iowa
Project lead	Iowa's Economic Development Authority
Project Lead Location	Des Moines, IA
Federal Share	$2,000 000
Recipient Cost Match	$600,000

Project Description:

Iowa's Economic Development Authority project will increase access to emerging smart manufacturing and high-performance computing (HPC) resources for SMMs through technical assistance, workforce training opportunities and needs assessments. The project will provide foundational systems and software resources to SMMs by conducting assessments and systems mapping, deploying demonstrations, and providing technical assistance in support of solution deployment. The project will also develop and deploy capacity to serve more advanced technologies in digital twins, artificial intelligence, cybersecurity, and connected factories through demonstrations, community college training, and technical assistance. These actions will improve the competitiveness of Iowa manufacturing, reduce industrial emissions, provide workforce development opportunities, and continue to advance the manufacturing technology ecosystem in the state.

Maryland

Project Title	Manufacturing Asset Deployment for Energy (MADE 4.0)
Project lead	Maryland's Department of Commerce
Project Lead Location	Baltimore, MD
Federal Share	$1,010,000
Recipient Cost Match	$800,000
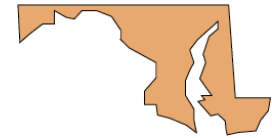
Project Description:

Maryland's Manufacturing Asset Deployment for Energy (MADE 4.0) Program will support SMMs across the state through a combination of smart manufacturing technology applications and community workforce training, leading to energy, production, and quality efficiency gains in their facilities. The program will create and convene a consortium of public, private, nonprofit, and higher education partners to conduct outreach and provide seminars, workshops, and online training for SMMs and their employees. The program will also provide grants to 38 SMMs to implement smart manufacturing technology improvements.

Michigan

| Project Title	Michigan's Industry 4.0 (I4.0) Signature Initiative
Project lead	Michigan Strategic Fund
Project Lead Location	Lansing, MI
Federal Share	$2,000,000
Recipient Cost Match	$600,000

Project Description:

Michigan is expanding upon its existing Industry 4.0 (I4.0) Signature Initiative program to provide financial assistance to implement smart manufacturing projects for 83-100 SMMs across the state. By working closely with a network of regional partners as well as the Michigan Minority Supplier Development Council (MMSDC), the expanded program will focus on supporting minority owned SMMs and those located within disadvantaged communities which will make up at least 50% of the SMMs supported through federal funding. Since its launch in December 2020, the I4.0 Signature Initiative has already supported over 2,500 SMMs through more than 7,700 activities including course training, I4.0 readiness assessments, business analyses, and implementation grants.

Montana

| Project Title	Smart Manufacturing Technologies Outreach Initiative
Project lead	Montana's Department of Environmental Quality - State Energy Office
Project Lead Location	Helena, MT
Federal Share	$2,000,000
Recipient Cost Match	$600,000
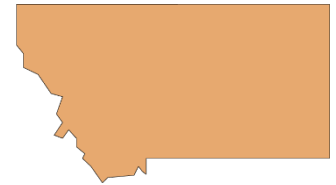
Project Description:

Montana's Smart Manufacturing Technologies Outreach Initiative will support SMMs across the state accelerate the implementation of smart manufacturing technologies in their operations.   The program will build and deploy a smart manufacturing demonstration and simulation unit to provide on-site demonstrations for SMMs throughout the state, educating them on available smart manufacturing technologies and how they could improve facility operations and efficiency. The program will also create apprenticeship and internship programs and is partnering with Highlands College to develop a Smart Manufacturing Technician certificate program. Montana's program will target disadvantaged communities as well as veteran-owned, women-owned, and minority-owned SMMs that have been traditionally underrepresented in the manufacturing sector.

North Carolina

Project Title	Smart Manufacturing Adoption to Realize Transformative Energy Reductions for North Carolina (SMARTER NC)
Project lead	North Carolina's Department of Commerce: Office of Science, Technology & Innovation
Project Lead Location	Raleigh, NC
Federal Share	$1,946,320
Recipient Cost Match	$583,897
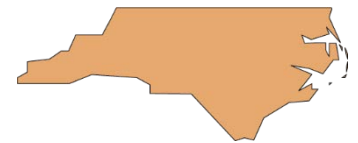
Project Description:

North Carolina's Smart Manufacturing Adoption to Realize Transformative Energy Reductions for North Carolina (SMARTER NC) aims to increase productivity and efficiency of NC SMMs by providing targeted technical assistance, increasing awareness, access to, and implementation of smart manufacturing technologies. By establishing an innovative and collaborative resource ecosystem, partners will be able to help support 500 participating SMMs close identified gaps in their digital transformation journey. SMMs to be targeted will align with high energy consumption manufacturing sectors within the state, such as: biopharmaceutical manufacturing, metal fabrication, chemical and polymer manufacturing, food and beverage manufacturing, automotive and heavy equipment manufacturing, and textiles. The program will work with a variety of partners to include the state's NIST MEP and the Smart Manufacturing Innovation Center (SMIC) at NC State University.

Ohio

Project Title	Smart and Clean Manufacturing Leadership Program
Project lead	Ohio Department of Development
Project Lead Location	Columbus, OH
Federal Share	$1,999,922
Recipient Cost Match	$600,000

Project Description:

Ohio's Smart and Clean Manufacturing Leadership Program is undertaking a three-pronged approach to support SMMs access and benefit from smart manufacturing technologies. Through conducting outreach and training, providing smart manufacturing assessments, and implementing smart and clean technology adoption and process improvements, the program will decrease the energy burden and increase energy efficiency for the state's SMMs with a focus on those in disadvantaged communities. The program aims to support at least 20 SMMs in disadvantages communities with smart manufacturing improvement projects. The program will also work close with the Industrial Assessment Center at the University of Dayton, the state's NIST MEP, and the CESMII Smart Manufacturing Institute to develop robust assessment tools to improve the analyses and recommendations made to SMMs to implement smart and clean technologies.

Pennsylvania

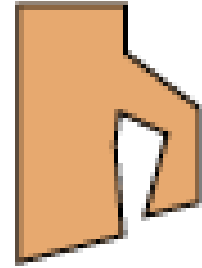| Project Title	Smart Manufacturing and Advanced Retoolling Team for Pennsylvania (SMART PA)
Project lead	Pennsylvania Department of Community & Economic Development
Project Lead Location	Harrisburg, PA
Federal Share	$2,000,000
Recipient Cost Match	$600,000

Project Description:

Pennsylvania's Smart Manufacturing and Advanced Retoolling Team for Pennsylvania (SMART PA) will use the statewide network of seven (7) NIST MEP affiliates and Penn State University's "Digital Foundry" to support 1,400 SMMs through a robust assistance program for manufacturers and workers for the evaluation and deployment of smart manufacturing technologies and high-performance computing tools on Pennsylvania's factory floors. SMART PA is supported by the CESMII Smart Manufacturing Institute and guided by community benefits and labor organizations such as the United Steel Workers, the Eastern Minority Supplier Development Council, and Reimagine Appalachia. SMART PA will complement and leverage PA's existing "Manufacturing PA" and industrial decarbonization programs to reduce the energy use and carbon footprints of Pennsylvania factories while boosting manufacturing expansion and family-wage jobs.

Rhode Island

| Project Title	Smart Advancements for the Rhode Island Manufacturing Ecosystem
Project lead	Rhode Island Commerce Corporation
Project Lead Location	Providence, RI
Federal Share	$1,998,788
Recipient Cost Match	$873,793

Project Description:

Rhode Island Commerce Corporation's project will support SMMs through expanding the ecosystem of available smart manufacturing and HPC resource partners in the state and providing direct assistance to SMMs. The project will offer a variety of services to SMMs such as smart manufacturing assessments, roadmaps, economic impact surveys, training and upskilling of new and incumbent workers, and financial assistance to facilitate access to and implementation of smart manufacturing and HPC solutions. The project is leveraging an existing ecosystem of partners to include Polaris, the state's NIST MEP center as well as several Manufacturing USA Institutes.

Virginia

Project Title	Virginia SMART Manufacturing Accelerator (VSMA)
Project lead	GENEDGE Alliance (VA's NIST-MEP Center)
Project Lead Location	Martinsville, VA
Federal Share	$2,000,000
Recipient Cost Match	$600,000
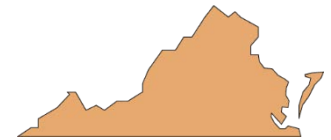
Project Description:

The Virginia SMART Manufacturing Accelerator (VSMA)s program, led by GENEDGE Alliance, Virginia's NIST MEP Center, will accelerate deployment of smart manufacturing technologies with SMMs in Virginia, to digitally connect and manage manufacturing systems in their facilities and supply chains to work together continuously, and to democratize the use of Commonwealth high-performance computing (HPC) assets to enable SMMs to utilize modeling, simulation, and big data. The HPC will enable SMMs to obtain better capital return on investment using digital twin simulation-based decision making, improve manufacturing line performance, increase energy efficiency, cut emissions, and design and deliver more sustainable products. The project will work with a variety of community partners, universities, HBCUs, community colleges, and technical partners to assist over 200 SMMs through workshops, webinars, smart manufacturing assessments and technology implementation.