



2017

# ANNUAL REPORT



**MSI**  
WORKFORCE SOLUTIONS

**dream it.**  
**DO IT.**<sup>TM</sup>  
VIRGINIA



## MSI MISSION:

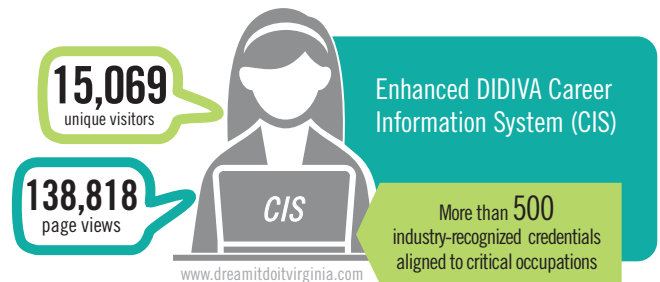
To increase the manufacturing capacity of communities through an established network of MSI Academic and Workforce Partners - to be the premier integrated industrial workforce solution - for everything in workforce development from career exploration to employment.

MSI is marshaling every available resource and partner in education, workforce development, manufacturing and government to build the workforce of today and tomorrow through effective collaborations to:

- Elevate the image of manufacturing production occupations.
- Increase the pool of qualified workers via industry credentials, such as the MS and MT1® certifications.
- Reduce the cost of hiring and employee turnover.
- Build manufacturing capacity and workforce pipeline to increase the economic vitality of communities and states.
- Increase the industrial training capacity of academic (K-14) and workforce partners.



Outreach and Awareness: The *Dream it. Do it. Virginia* (DIDIVA) Network is focused on improving the image of careers in manufacturing and providing access to career pathways in modern manufacturing.



## DIDIVA Manufacturing Technology Summer Camps

15  
Camps

\$12,000  
SCHOLARSHIPS

235  
Students

## 2017 VMA Workforce Partner of the Year

Central Virginia Community College



### CVCC offers the MT1® certification by:

1. Offering the MT1® in a non-credit rapid-train format,
2. A customized program in partnership with the Regional Jail Authority,
3. Integrating the MS and MT1® into a Mechatronics program in coordination with Lynchburg local industry, and
4. Partnering with adult education to offer a career studies certificate.

## Save the Date

7th Annual  
Workforce Solutions  
Symposium

Williamsburg

November 13 & 14, 2018

**career  
pathways**   
for Individuals with Disabilities

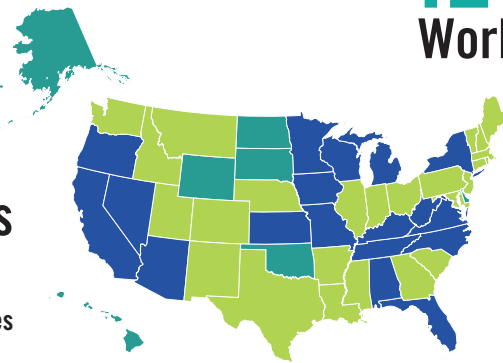
MSI and CPID (Career Pathways for Individuals with Disabilities) received recognition as a Career Pathways Partnership Promising Practice at the 2017 National Career Pathways Network Conference in St. Louis, MO.

**Training and Certification:** More than 65% of the annual job openings in Virginia's manufacturing sector are occupations which require more than a high school diploma but less than a 4-year degree. The VMA's Manufacturing Skills Institute (MSI) focuses its world-class training and certification programs on the technical skills required for those middle skill occupations.

## MSI Footprint

**18 States**

- Partner States
- Interested States



**124 Academic & Workforce Partners**

increasing access to industry credentials



**Funding Resources:** GI Bill benefits, Workforce Investment and Opportunity Act (WIOA) funds, Perkins funding, NEW Economy Workforce Credential Grant Fund, PluggedIn VA, Workers Opportunity and Retraining Tax Credits, 504 Tax Credit (*this list is not exhaustive*)

### MSI Partner Highlight



**The Community College Workforce Alliance (CCWA)** doubled Machine Operator Apprenticeships using the MT1<sup>®</sup> Credential.

### MSI Workforce Solutions

This is not an exhaustive list.



**Certified Industrial Energy Auditor (CIEA)**  
**Dream It. Do It. Career Solutions (DIDIVA)**  
**Industrial Hygiene Training (IHT)**  
**Industrial Safety Readiness Training (ISRT)**  
**Manufacturing Online Courses** (1600 Customizable)  
**Manufacturing Specialist (MS)**  
**Manufacturing Technician Level 1 (MT1<sup>®</sup>)**  
**Pre Manufacturing Technician Level 1 (PMT1)**  
**PSP - Behavioral Assessments**  
**VA Craft Brewers Guild Quality & Safety (VCBGQS)**  
**World Class Manufacturing (WCM)**

### MSI Workforce Solutions: Industry Credentials

Primary Credentials: *Manufacturing Technician Level 1<sup>®</sup> (MT1), Manufacturing Specialist (MS), Industrial Safety Readiness Training Certificate (ISRT)*



Certificates Awarded



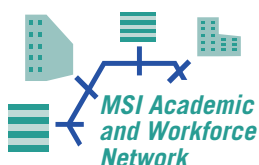
Trainers Trained



Safety Courses Viewed Online



1 of 15 Nationally Recognized Credentials

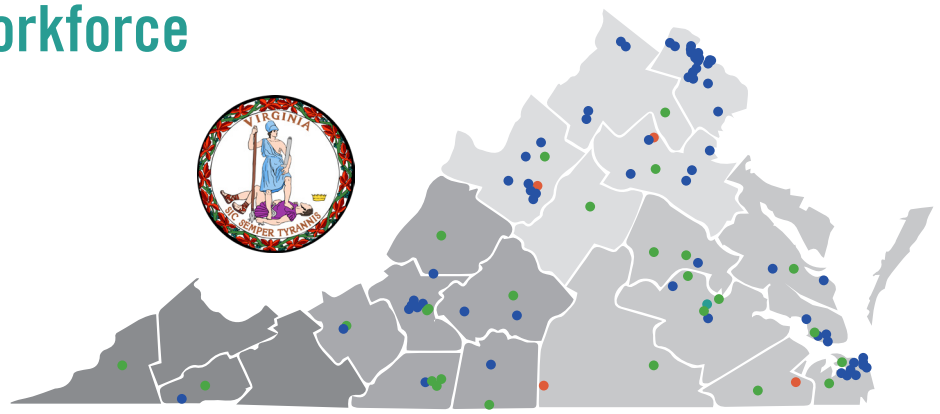


Our Academic and Workforce partners offer MSI Workforce Solutions through their training programs and enhance access to industry credentials to respond to the needs of manufacturers in their regions.

- High Schools
- Middle Schools
- Technical Centers
- Community Colleges
- Universities
- One Stop Centers
- Workforce Training Centers
- Libraries
- Vocational Rehabilitation Training Centers

# MSI Academic and Workforce Partners in Virginia

- Workforce Training Centers - 7
- Middle Schools - 2
- High Schools and/or Technical Centers - 73
- Post-Secondary Institutions - 24



## MSI Associate Partners

For more information on Associate Partners, visit [manufacturingskillsinstitute.org](http://manufacturingskillsinstitute.org)

- Hopewell/Prince George Chamber of Commerce
- OpX Solutions
- Sparkhire
- Stilwell Technology & Robotics
- Spectra Quest, Inc.
- TCI Solutions
- Thinking Dimensions
- Virginia Community College System
- Virginia Department for Aging and Rehabilitative Services
- Virginia Department for the Blind and Vision Impaired
- Virginia Department of Education
- Workforce Recovery Solutions

## MSI Learning Network Launched!



A few of the innovations offered by the MSI Learning Networks include:

- 24/7 support for trainers
- Online training for trainers and administrators
- Dashboards to track individual learning progress
- Course improvements related to manufacturing training
- Access to over 1,600 computer-based training courses

## MSI Partner Highlight



**Wilson Workforce Rehabilitation Center (WWRC)** has seen an increase in exploration of the manufacturing field, evaluating 212 students in Production and Manufacturing.



WWRC won the Best Showcase Award of Excellence at the HIRE Ed Conference for their Manufacturing Technology Training (MTT) Program funded by the Career Pathways for Individuals with Disabilities grant.



VR Workforce Studio has been changing perceptions of manufacturing and vocational rehabilitation through their amazing podcasts!

Check them out at [www.vrworkforcestudio.com](http://www.vrworkforcestudio.com)

## Contact

[www.manufacturingskillsinstitute.org](http://www.manufacturingskillsinstitute.org)  
[www.dreamitdoitvirginia.com](http://www.dreamitdoitvirginia.com)

**Dr. Victor Gray**  
Executive Director  
Manufacturing Skills Institute  
804-643-7489  
[vgray@vamanufacturers.com](mailto:vgray@vamanufacturers.com)

**Vanessa H. Rastberger**  
Director, Workforce Solutions  
Manufacturing Skills Institute  
804-643-7489  
[vrastberger@vamanufacturers.com](mailto:vrastberger@vamanufacturers.com)