

UNCLASSIFIED

Bridging the Diversity Gap in Advanced Manufacturing Education and Training

STATUS QUO



- Publicly available data on the Academia partners of the Manufacturing USA Institutes show a marked absence of Historically Black Colleges and Universities (HBCUs), Tribal Colleges (TCs), and only one Hispanic Serving Institution (HSI) – the University of Texas El Paso. This indicates the existence of a diversity gap in the program as of the present time

APPROACH:

Workshops in Advanced Manufacturing for Minority Serving Institutions (WAMMSI)



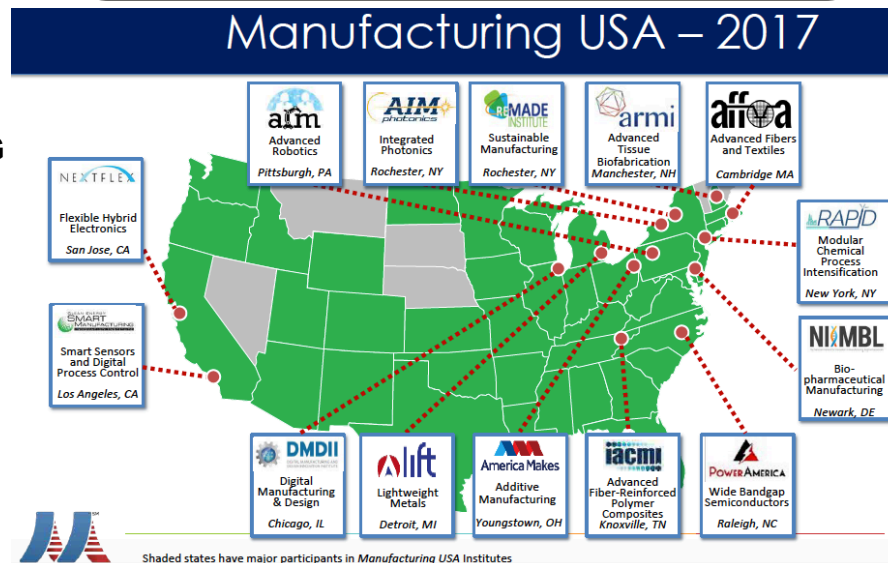
WORK PLAN:

- Contact the Manufacturing USA community to assess the nature of existing and planned Workforce Training Programs at the undergraduate and graduate levels.
- Assess the current scope of the undergraduate and graduate level workforce education and training programs existing or planned within the 14 Institutes of the Manufacturing USA Network;
- Organize visits by groups of faculty from HBCUs/TCs/HSIs to Manufacturing USA Institutes in order to expose them to the Institutes and encourage them to participate in project calls by the institutes, and further understand the details of how to work with the Institutes, particularly in regard to cost sharing.
- Identify potential areas and scope of collaboration with the workforce education programs within the 14 Institutes.
- Reach out to faculty at HBCUs/TCs/HSIs to assess their needs and interests in curriculum development in advanced manufacturing.
- Serve as a resource for DoD and Manufacturing USA for connecting to the underrepresented minority science and engineering community.

INSIGHTS

ADVANCED MANUFACTURING

- As of today, 14 institutes launched - \$1 billion federal investment matched by over \$2 billion non-federal
- Eight active institutes: 1,300 members, over 240 technology development projects.
- Members include two-thirds of Fortune 50 U.S. manufacturers
- 8 out of the 10 top-ranked research and engineering universities.



Promoting Diversity in Advanced Manufacturing Workforce Development