“Our first priority is making America a magnet for new jobs and manufacturing.”
President Barack Obama February 12, 2013
Background Info

- AMP 1.0: June 2011 – July 2012
- AMP 2.0: September 2013 – summer 2014 (planned)
AMP 2.0 Steering Committee

Wes Bush, Chairman, CEO and President, Northrop Grumman Corp.
Dr. Mary Sue Coleman, President, The University of Michigan
David Cote, Chairman and CEO, Honeywell
Nicholas Dirks, Chancellor, University of California, Berkeley
Kenneth Ender, President, Harper College
Leo Gerard, International President, United Steelworkers
Hon. Shirley Ann Jackson, President, Rensselaer Polytechnic Institute
Eric Kelly, President and CEO, Overland Storage
Klaus Kleinfeld, Chairman and CEO, Alcoa Inc.
Andrew Liveris, Chairman and CEO, The Dow Chemical Company
Ajit Manocha, CEO, GLOBALFOUNDRIES
Douglas Oberhelman, Chairman and CEO, Caterpillar Inc.
Annette Parker, President, South Central College
G.P. “Bud” Peterson, President, Georgia Institute of Technology
Luis Proenza, President, The University of Akron
Rafael Reif, President, Massachusetts Institute of Technology
Eric Spiegel, President and CEO, Siemens Corp.
Mike Splinter, CEO, Applied Materials Inc.
Christie Wong Barrett, CEO, MacArthur Corp.
AMP 2.0

- FOCUS: build on the 2012 AMP report and focus on implementation
- 5 WORKING TEAMS
  1. Identifying, prioritizing and starting work on transformative technologies
  2. Implementing demand-driven workforce solutions for a workforce of lifetime learners
  3. Ensuring that the National Network for Manufacturing Innovation (NNMI) is successful
  4. Creating a policy environment that supports technology scale-up
  5. Improving the image of manufacturing
Transformative Technologies

- Of the 11 cross-cutting technologies in the AMP 1.0 report, the AMP 2.0 Technology Working Team identified three areas for further evaluation

- 3 technology areas
  1. Advanced materials and processes: structural composites
  2. Visualization, information and digital manufacturing
  3. Advanced sensing, measurements and process control
AMP 2.0 Workforce Working Team created four working groups

- 4 workforce development working groups
  1. Pathways to align 7th – graduate level
  2. Portable, stackable credentials
  3. Apprenticeship
  4. Getting veterans involved with manufacturing sector
• NNMI working team had a late start
• 2 study groups
  1. External communication focus – value propositions
  2. Operations focus – IP, governance and structure, how to broaden the tent
To identify strengths that can be leveraged, and solutions to key barriers to accelerate and amplify the value of technology commercialization in the U.S. manufacturing sector.

3 priority barriers to address:
1. Technology diffusion
2. Supply chain development
3. Capital sourcing
Regional Meetings

- February 3, 2014: Georgia Tech
- April 2, 2014: University of Akron, United Steelworkers
- April 24, 2014: RPI, Global Foundries
- May 16, 2014: MIT
- June 9, 2014: Michigan, Northrop Grumman
## National Network of Mfg Innovation

### Actionable recommendations

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<thead>
<tr>
<th>Industry</th>
<th>Funding Agency</th>
<th>Location</th>
<th>Budget</th>
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<td>Additive mfg</td>
<td>DOD/2012</td>
<td>Ohio</td>
<td>$50M + $50M</td>
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<td>Power electronics</td>
<td>DOE/2013</td>
<td>N. Carolina</td>
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<td>Lightwgt metals</td>
<td>DOD/2013</td>
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<td>Future ones</td>
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