

Designing for Impact I: Workshop on Building the National Network for Manufacturing Innovation



ADVANCED MANUFACTURING NATIONAL PROGRAM OFFICE

New York State Welcome and Perspective



Edward Reinfurt

Director of the Division of Science,
Technology and Innovation
Empire State Development
Corporation

Empire State Development



NATIONAL NETWORK FOR MANUFACTURING INNOVATION

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Rensselaer Polytechnic Institute

Edward Reinfurt

Director, Division of Science, Technology and Innovation



NEW YORK STATE

Welcome from Governor Andrew Cuomo, Lt. Governor Robert Duffy and President, CEO & Commissioner of Empire State Development Kenneth Adams.

We are committed to the mission at hand – continuing America's global leadership in the innovation and manufacture of new products and processes.



RICH LEGACIES OF MANUFACTURING

In each of our states, manufacturing has shaped our communities, our regions, and our nation.

Troy = Collar City

Schenectady = Electric City

TODAY'S WORKSHOP

Not about the past and what *was*, but about our future and what *will be*.



What will be the role and contribution of manufacturing to the nation's economy in the decades ahead?

NATIONAL GOVERNOR'S ASSOCIATION

- New York State is one of seven states chosen to participate in a special project in conjunction with U.S. Department of Commerce, NIST and EDA.
- Best practices on proven economic development strategies to accelerate innovation.
- Emphasis on manufacturing.



In the States



POPULAR OPINION ON STATE OF MANUFACTURING



**“Most people know what
manufacturing was, not what it is.”**

MANUFACTURING TODAY IS:

- Exciting
- Competitive
- Extremely Efficient
- Adaptive
- Innovative
- Determined to succeed





GOVERNOR CUOMO'S LEADERSHIP

Governor Cuomo's leadership has ushered in a new dynamic, rebuilding state government and improving New York's business climate based on the principles of performance, integrity and pride.

- Passed early and balanced budget closing over \$12 billion in deficits in two years with no new taxes, borrowing or gimmicks;
- Passed New York's first-ever property tax cap to save families and businesses billions in taxes; and
- Created the transformative Regional Economic Development Councils, supported by over \$1.5 billion in economic development resources, to change the way New York invests through a performance-based, community-driven approach to job creation.

REGIONAL ECONOMIC DEVELOPMENT COUNCILS

- Shift from top down to locally based strategies and priorities.
- Formed in each of ten regions in the state
- Local business, university, labor and community leaders charged to develop their own strategic plans based upon their region's assets, strengths and aspirations.





REGIONAL PLAN PROCESS

- Intensive and deliberative
- Breaking down agency silos
- Building new public-private partnerships
- Identifying priority projects
- Leveraging private investments
- Showing new approaches to economic development

REGIONAL ECONOMIC DEVELOPMENT COUNCILS

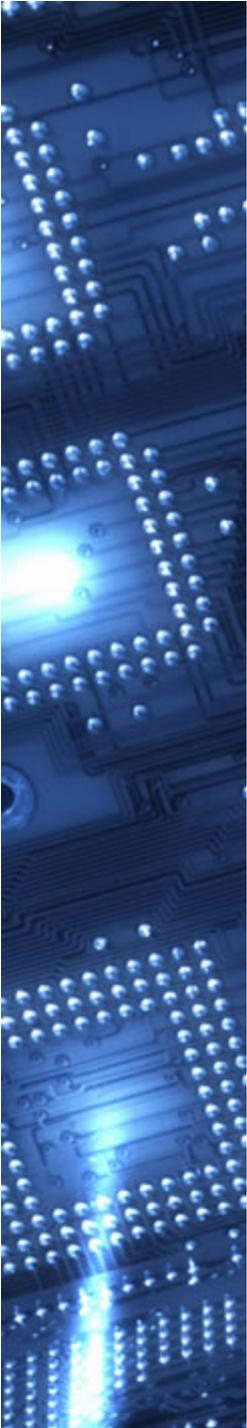
- Each co-chaired by a prominent business leader and a university leader.
 - Reflection of Gov. Cuomo's fundamental belief that future economic growth requires a strategic linkage of our business and university strengths.





NEW YORK'S RECENT EXPERIENCE

- Attests to the importance our communities have placed on advanced manufacturing.
- Result of a shift from top down to locally based strategies and priorities.



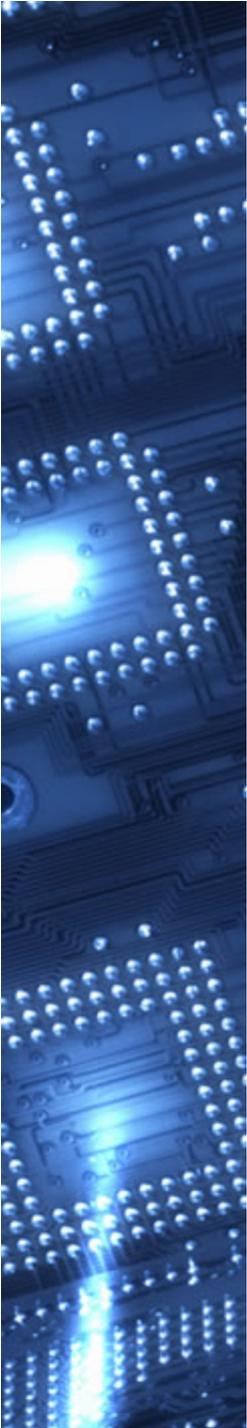
RELEVANCY TO THIS CONFERENCE

- Emphasis placed in the strategic plans upon manufacturing, particularly advance manufacturing as a catalyst for the growth of their regions.
- Identified in plans of Western New York, the Finger Lakes Region, Central New York, the North Country, Mid-Hudson and Long Island.



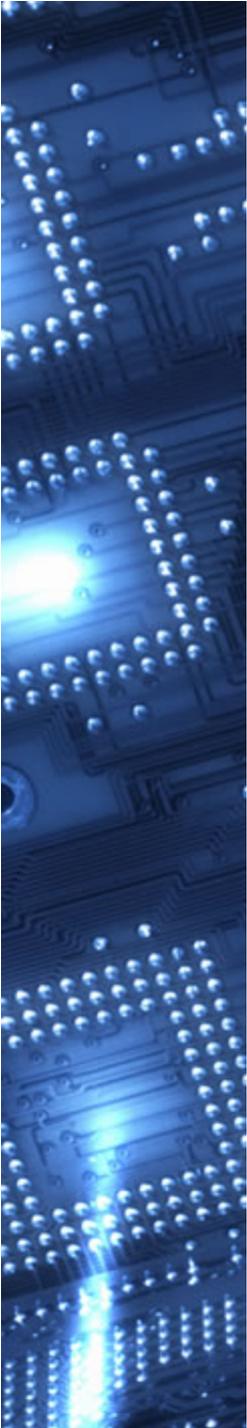
HUDSON VALLEY

- Identified growth potential of industry clusters in biotech, information technology and high tech manufacturing.
- Recommended full funding for the state's Center for Advanced Technology (CAT) program.
- Proposed creation of regional center to foster shared research and support services between companies and universities.



FINGER LAKES

- Highlighted manufacturing as a significant source of employment and a major contributor to the region's strength as an exporter.
- Recommended focus on established and emerging manufacturing sectors, including food processing, life sciences, energy innovation, optics, photonics and imaging.



SOUTHERN TIER

- Proposed new consortium to grow the region's existing base of 50 businesses in the transportation manufacturing sector.
- Consortium will seek to catalyze development and production of next generation transportation technologies in avionics, power train, advanced materials, simulation and engineering, logistics and vehicle manufacturing.

CONSISTENT STRATEGY

- Closer linkages between the technology needs of our manufacturers and the research strengths of our universities.
- Shared commitment exists to bring this about.

Regional Overviews



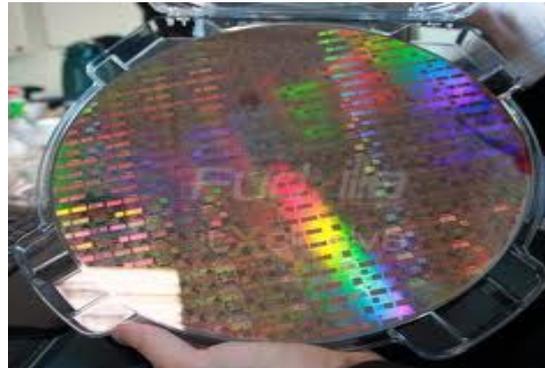
NATIONAL NETWORK FOR MANUFACTURING INNOVATION

President Obama's visits to Rolls-Royce jet engine manufacturing plant in Virginia and to General Electric's new battery plant in Schenectady, New York were more than morale boosters.

These corporations have shown the pathway to deploying new technology to improve product performance and grow market share.



CAPITAL REGION SUCCESS STORY



Most technologically advanced semiconductor manufacturing facility in the world

**\$4.2 billion
investment**



**1600 new
jobs/500
indirect jobs**

New York State is a key partner in the development of Fab 8, committing up to \$1.2 billion worth of financial incentives towards the project — the largest private-public investment in the history of the state.

SOUTHERN TIER SUCCESS STORY



Agro Farma

Manufactures Chobani brand Greek-style yogurt.

- Company investing \$97 million to build and equip a new dairy processing facility.
- Continues Agro Farma's recent growth including \$115 million invested in property and plant improvements over the past five years.
- The project will retain 386 employees and create 450 new jobs.

NORTH COUNTRY SUCCESS STORY

Bombardier Transit Corporation- *a global leader rail car manufacturing.*

Bombardier is a North Country Regional Economic Development Council priority project.

- Awarded \$2.5 million through the CFA process.
- Project includes the expansion of its production facility to increase efficiency, flexibility and capacity for new contracts.

A 600-million dollar contract to build state-of-the-art rail cars for the MTA will retain 300 jobs at the Plattsburgh manufacturing plant, and an additional 200 jobs at its suppliers.



FINGER LAKES SUCCESS STORY

Rochester Precision Optics- manufactures optical components and assemblies for commercial, military and industrial systems



June 2011: Announced \$10.7 million investment to expand its Henrietta, New York facility, retaining 144 jobs and creating 151 new jobs

April 2012: Held official ribbon cutting celebrating its newly expanded 107,500-sq-ft facility.

CONCLUSION

On behalf of Governor Cuomo and ESD, we look forward to your contributions to the design of the Nation's Manufacturing Innovation Initiative.

