Additive Manufacturing Blueprints

3D Printing: Learning by Building 2016 Fall

X. Chen; A. Wentworth

Global Impacts

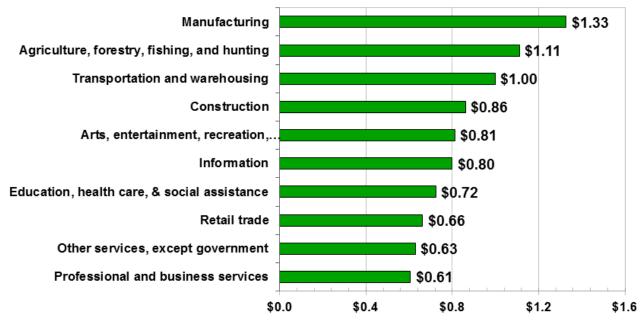


The Economist April 2012

National Impacts

Manufacturing's Multiplier Effect Is Stronger Than Other Sectors'

(Updated April 2014)

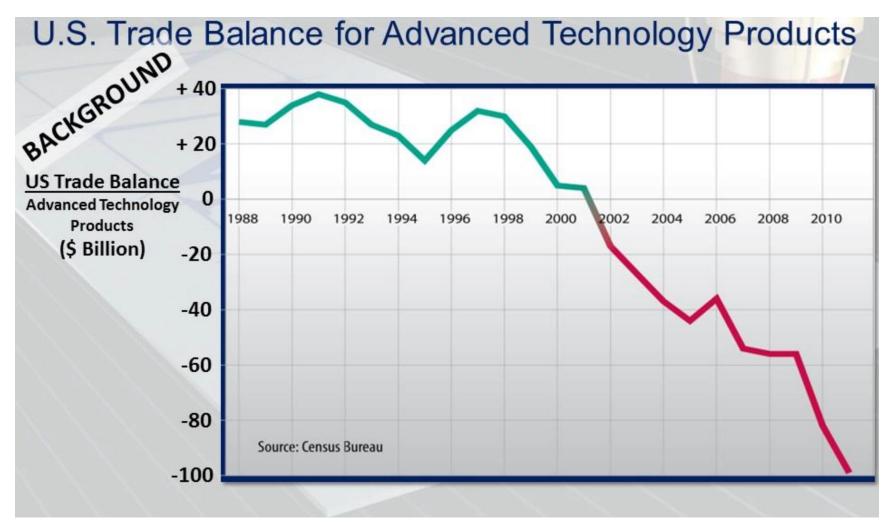


Economic Activity Generated by \$1 of Sector GDP, 2012

Source(s): U.S. Bureau of Economic Analysis, Annual Input-Output Tables

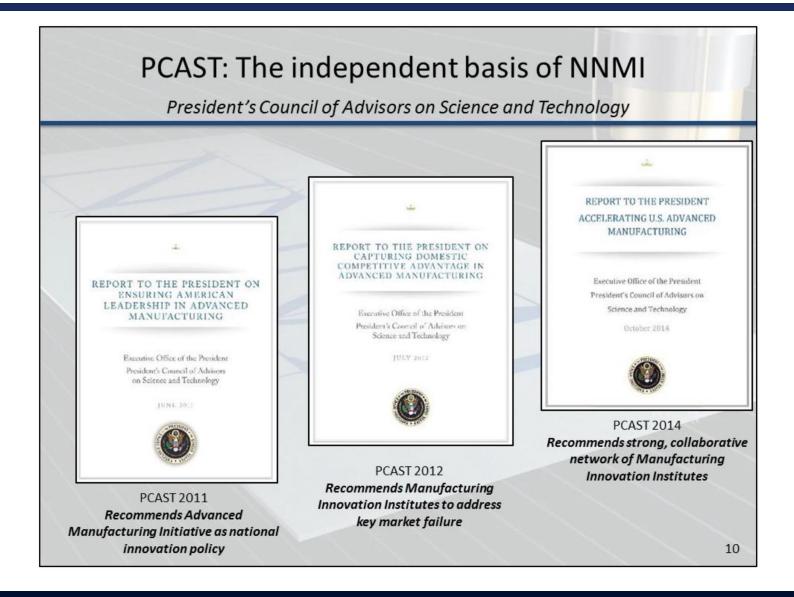


U.S. losing leadership in manufacturing



Products invented here, now made elsewhere..

U.S. Department of Commerce



Connecticut's Investments in R&D

- \$1.55B Next Gen CT Capital Program
- \$137M Increase in Next Gen CT Operating Budget (within 10 years)
- \$864M Bioscience CT Program
- \$1.1B JAX Lab Capital
 & Research Program
- \$200M CT Bioscience Innovation Fund
- \$172M UConn Tech Park



"Create jobs, and bring new life to the State's economy" - Dan Malloy, CT Governer

Aerospace Components Manufacturers

The ACM Cluster



http://www.aerospacecomponents.org

Next Generation Connecticut

- \$1.55B capital investment over 10 years
- \$137M per year operating budget increase by year 10
- Develop preeminence in the University of Connecticut's research and innovation programs
- Hire and support outstanding faculty
- Train and educate graduates to meet the future workforce needs of Connecticut
- Initiate collaborative partnerships with industries for R&D and job growth