

Institutional Innovation and Advanced Manufacturing

President's Council of Advisors
on Science and Technology

Dan Swinney
May 3, 2013



Building Partnerships. Creating Futures.



KENNY PLYMOUTH: 1ST PLACE, CNC TURNING ILLINOIS STATE CHAMPIONSHIPS

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Advanced Manufacturing is Essential



- The only sector that can build a middle class
- Only sector than can solve the environmental crisis
- Builds social capital

Being THE Global Leader requires...

Innovation in
production

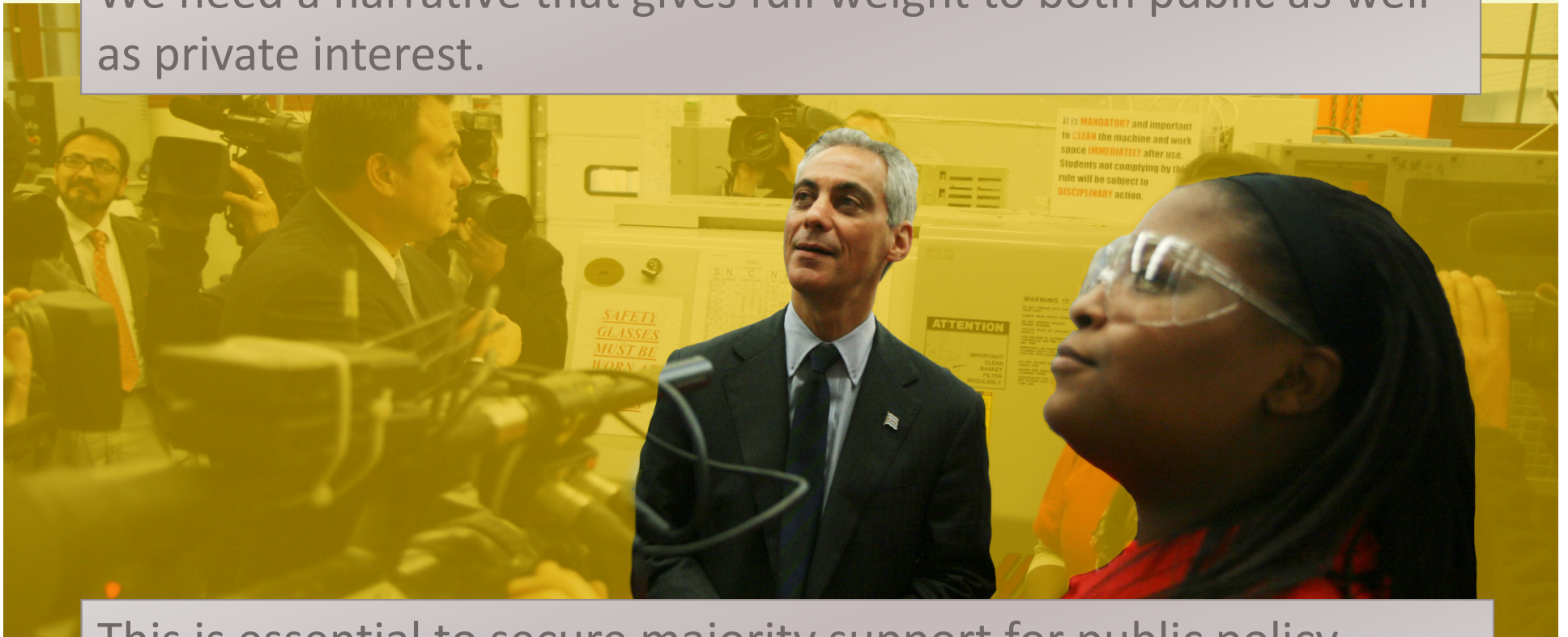
Use of most
advanced
technology

“Machines are our
allies”

Institutional
innovation

The Manufacturing Narrative

We need a narrative that gives full weight to both public as well as private interest.



This is essential to secure majority support for public policy supporting Advance Manufacturing.

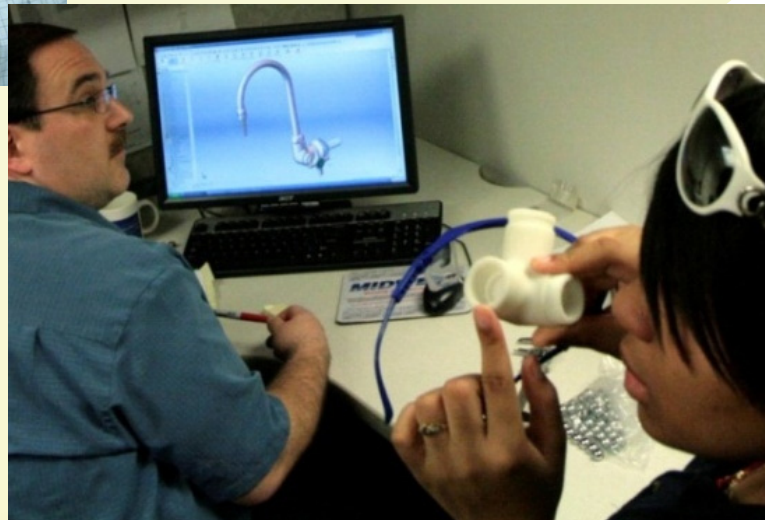
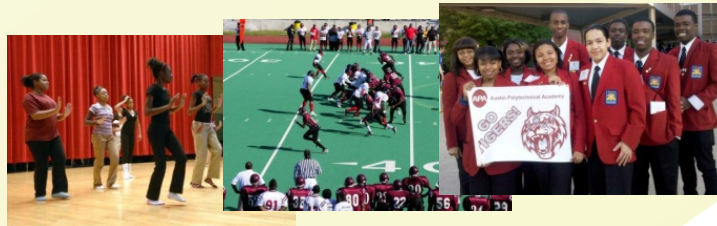
The Chicago Story

- 2001 Joint Report
 - Advanced manufacturing needs an advanced workforce
 - More jobs could be filled, created
 - 20 year vision for secondary and post-secondary education



- 2005 Development of CMRC
 - City of Chicago
 - Manufacturing Renaissance
 - Chicago Federation of Labor
 - Instituto del Progreso Latino
 - Tooling & Manufacturing Association
 - World Business Chicago

Austin Polytech Career Program



Austin
Polytechnical
Academy

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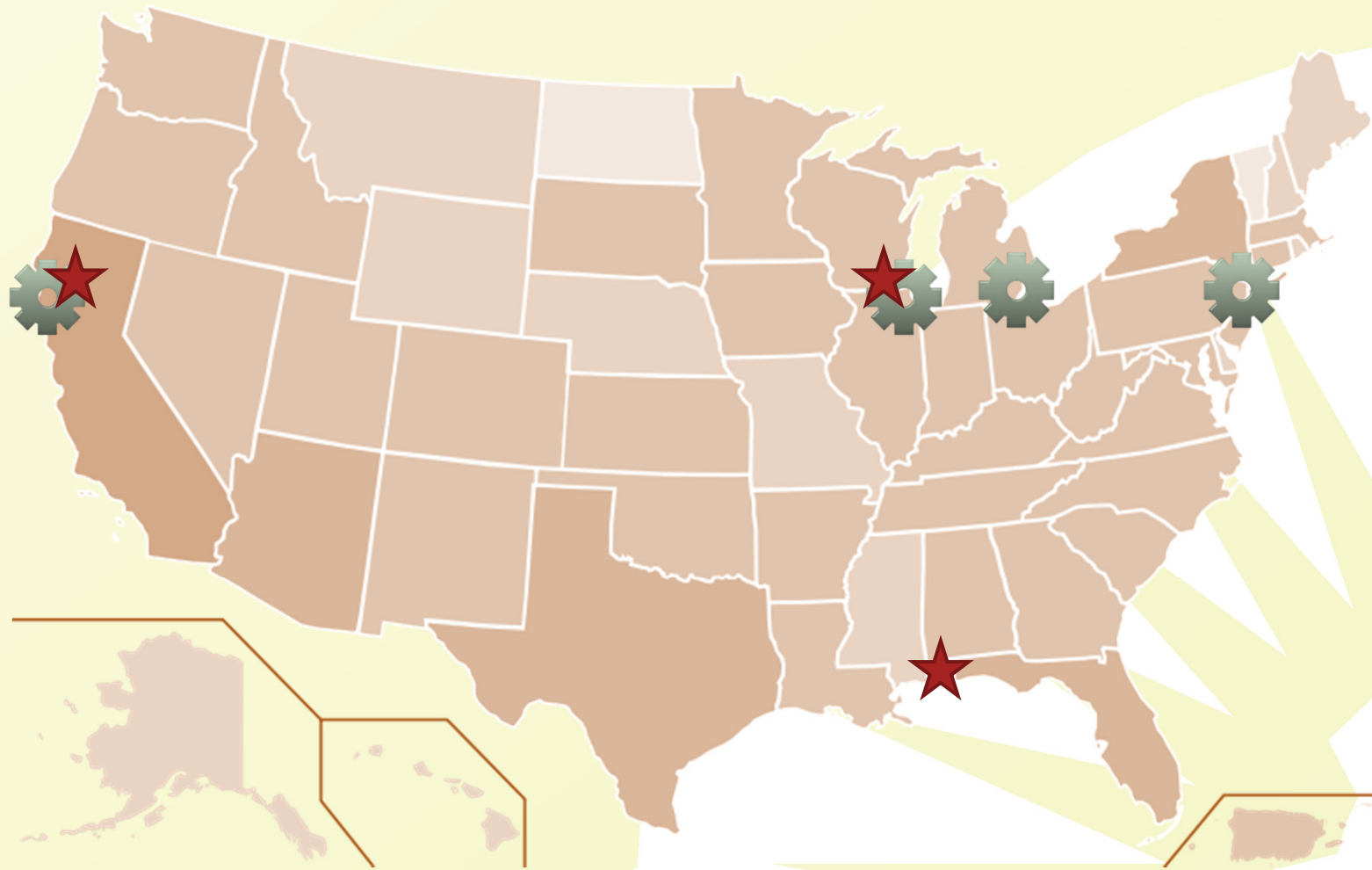
Austin Polytech Career Program

- 60 company partners
- Not a trade/vocational school
- The purpose = rebuild the Austin community
- Springboard for the Austin Manufacturing Innovation Park
- Shaping City Policy



Austin
Polytechnical
Academy

Scalable Models



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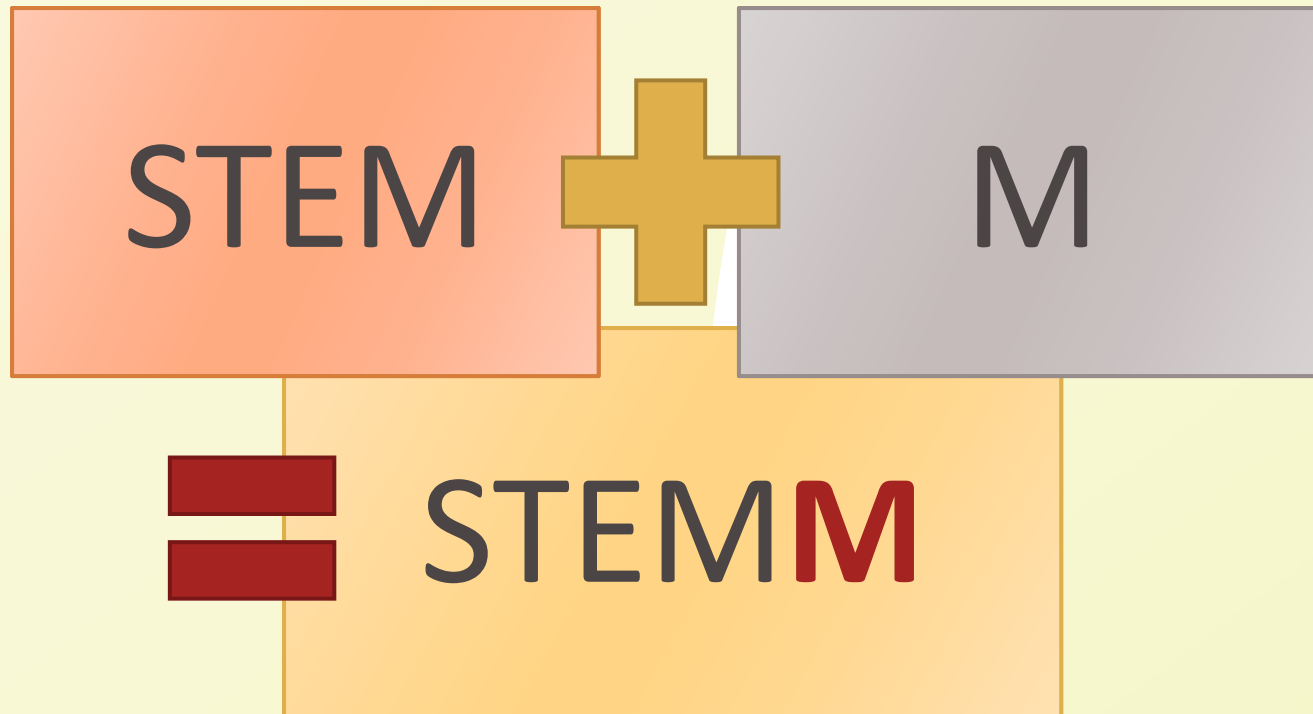
Mr. President...

No more agnostics

Innovation &
Equity

Independent
Public/Private
Partnerships

Mr. President...



A bold initiative in public secondary education - we need 1,000 new schools



MANUFACTURING RENAISSANCE

Building Partnerships. Creating Futures.

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