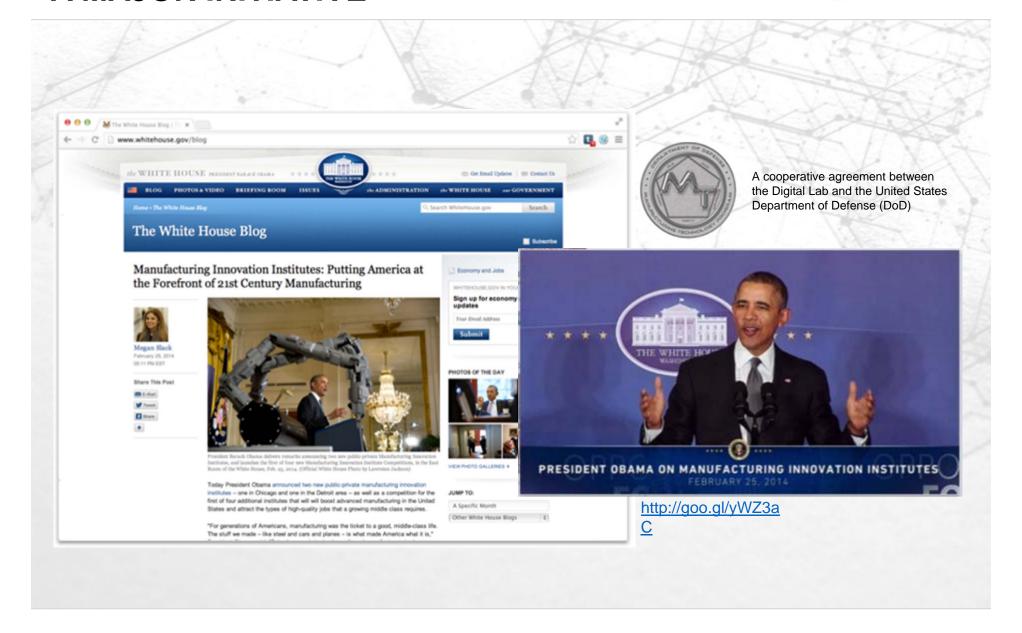


A MAJOR INITIATIVE





THE PARTNERSHIP



\$320 MILLION

\$70 million cooperative agreement with the U.S. DOD and matching \$250 million from industry, academia, government and community partners.

MORE THAN 315

Local, regional, and national organizations, community colleges, and MEP networks have committed their support.

500+

Supporting companies – including world class leaders in defense and commercial manufacturing industries.

220,000

Partners, and more, ready to connect with the more than 185 small and medium sized businesses that have joined already.

6 OF THE TOP 20

Engineering schools in the country, with more than 12% of all engineering & computer science students graduating annually in the U.S.

40 Industry partners

30+

Academia, government, and community partners.

OVERVIEW



Create an Innovative Ecosystem

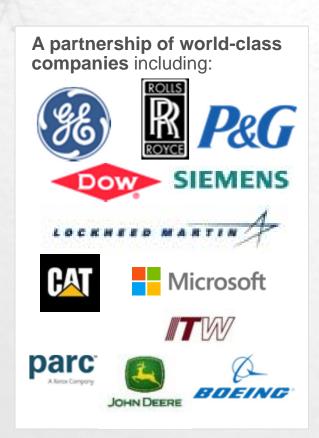
Increase the innovative capacity of OEMs and their suppliers through digital integration and strategic collaboration.

Commercialize Research

Move ideas from TRL 4-7 through a network of physical and virtual demonstration sites.

Strengthen the U.S. Economy

- •\$100B in value to OEMs per year
- •\$30B in value potential to DoD / year
- •75,000 jobs created in the first 5 years





Proven talent from a consortium of state, educational, and vocational institutions:



Source: McKinsey Global Institute and team analysis

TECHNOLOGY THRUST



THREE FOCUS AREAS

ADVANCED MANUFACTURING ENTERPRISE (AME)

Agile and robust manufacturing strategies and integrated capabilities that dramatically reduce the cost and time of producing complex systems and parts.

INTELLIGENT MACHINING (IM)

Integration of smart sensors and controls to enable equipment to automatically sense and understand current production environment in order to conduct "self-aware manufacturing".

ADVANCED ANALYSIS (AA)

Utilization of high performance computing to model materials, products and processes to enable "design with manufacturing in mind".

OPEN SOURCE PLATFORM

DIGITAL COMMONS

An open source technology system across the entire manufacturing value chain.

HUB & SPOKE MODEL

NATIONAL NETWORK

A 'hub and spoke' model, where the 'hub' will be the Digital Lab for Manufacturing based in Chicago and the 'spokes' will be all the applied research on the manufacturing floors of our partners across the US.

BENEFITS OF PARTICIPATION



COLLABORATION AND RESEARCH DIRECTION SETTING

- Access to cutting-edge, exclusive research to drive performance benefits
- Networking and knowledge sharing with leading experts
- Federal and partner matching funds to support research

COMPETITIVENESS ENHANCING PERFORMANCE IMPROVEMENTS

- Lower design costs through better collaboration with suppliers
- Lower manufacturing cost and capital requirements from better optimization of end-to-end product lifecycle
- Reduced time to market due to more rapid iteration
- Next-gen innovations first: digital design, digital factories, digital supply chains
- New and legacy products

ACCESS TO INTELLECTUAL PROPERTY

- Access to leading manufacturer partner base and technology companies
- Internal R&D use and commercialization of IP
- Ability to iterate on cutting-edge products and services in live demonstration facility to show effectiveness to partners

MORE ROBUST US MANUFACTURING ECOSYSTEM

- Workforce development to strengthen the talent pool
- Accelerating broad adoption of technologies, including a strengthened base of SMEs able to use digital manufacturing
- Spinoffs and licenses leading to innovative new technologies

PARTNERSHIP TIERS



| 1 | ANNUAL INVESTMENT | PROJECT INVESTMENT | BOARD SEAT | TECH SEAT | IP RIGHTS |
|-------------------------|---|--|--|--------------|---------------------------------------|
| TIER 1: PREMIER PARTNER | \$400K/YEAR FOR 5 YEARS | \$3M COMMITMENT OVER 5 YEARS | / | / | FULL |
| TIER 2: ELITE PARTNER | \$200K/YEAR FOR 5 YEARS | ENTERPRISE-WIDE, PLUS PER PROJECT OPPORTUNITY | 1-2 ELITE PARTNER SEAT ON ROTATIONAL BASIS | / | ENTERPRISE-WID PLUS PER PROJECT |
| TIER 3: SME PARTNER | PARTNERSHIP FEE OR IN-KIND OR COST-SHARE FOR PROJECTS | PER PROJECT BASIS | 1-2 SME PARTNER SEAT ON ROTATIONAL BASIS | | PROJECT BASIS |
| TIER 4: BASIC PARTNER | FREE | | _ | _ | |

FUNDING MATCH & COST SHARE FOR PARTNERS

Upfront commitment of Enterprise-wide project cost share will give you first opportunity to reserve matching support from among a finite pool to be directed to those projects, subject to cost models; note government funding may only be directed to Enterprise-wide Projects

LEADERSHIP





Dean Bartles

Executive Director dbartles@uilabs.org 727.251.7671

Bill King

Chief Technology Officer wpk@uilabs.org 217.778.7493

http://digitallab.uilabs.org

http://www.uilabs.org