



Center for Soldier Innovation (CSI)

Enhancing Human Performance for the Warfighter and First Responders

24 June 2008

Directed Actions

Details for the Next S&T Board Meeting

- Get support from all appropriate parties
- Prepare customer requirements
- Define sources of funding
- Develop business plan
- Secure local and regional public sector support

From Feb '08 S&T Board Meeting

Center for Soldier Innovation (CSI)

Purpose/Objective

- A new center to address critical warfighter and first responder needs. The center will create a convergence of human-focused research, system engineering, prototype, demonstration of soldier systems. It will complement the work of the Natick Soldier Systems Center (NSSC). Finally, the center will be a catalyst to create a new MA economic cluster for advanced human performance products and solutions
- Mission
 - Develop and demonstrate solutions to critical military problems leveraging NSSC
 - Serve as catalyst for new economic activity
 - Increase opportunities for collaboration among NSSC, MA Universities and local industry
- Goals
 - Increase MA economic activity that addresses military and first responder needs
 - Accelerate commercial availability of critical military and first responder solutions
 - Create 100+ new jobs in 5 years, build-up existing companies, spin-out start-ups

Seeking seed funding from public sector to build initial cadre of technical staff

Center for Soldier Innovation (CSI)

Steps to New MA Capability

- Initial process for establishing the CSI
- S&T Board Feedback
- Meetings to gain advocacy
 - Individually with S&T Board members
 - Military Stakeholders
 - Local and State officials
- Secure seed funding
- Create center – hire director
- Identify and prioritize compelling challenges
- Establish process to approve programs
- Develop mechanisms to secure sponsored-research
- Demonstrate capabilities in relevant environments
- Transition to existing and start-up firms

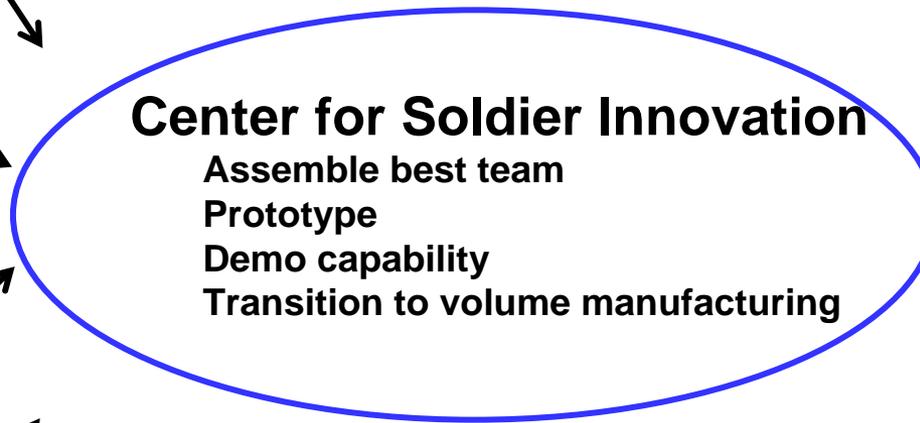
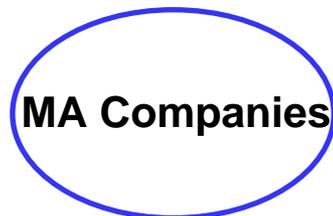
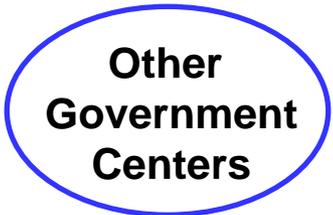
Center for Soldier Innovation (CSI)

Focus Technology on Critical Warfighter and First Responder Needs

Technology



- Soldier Systems RDT&E
- Military Operational Medicine
- Environmental & Operational Protections



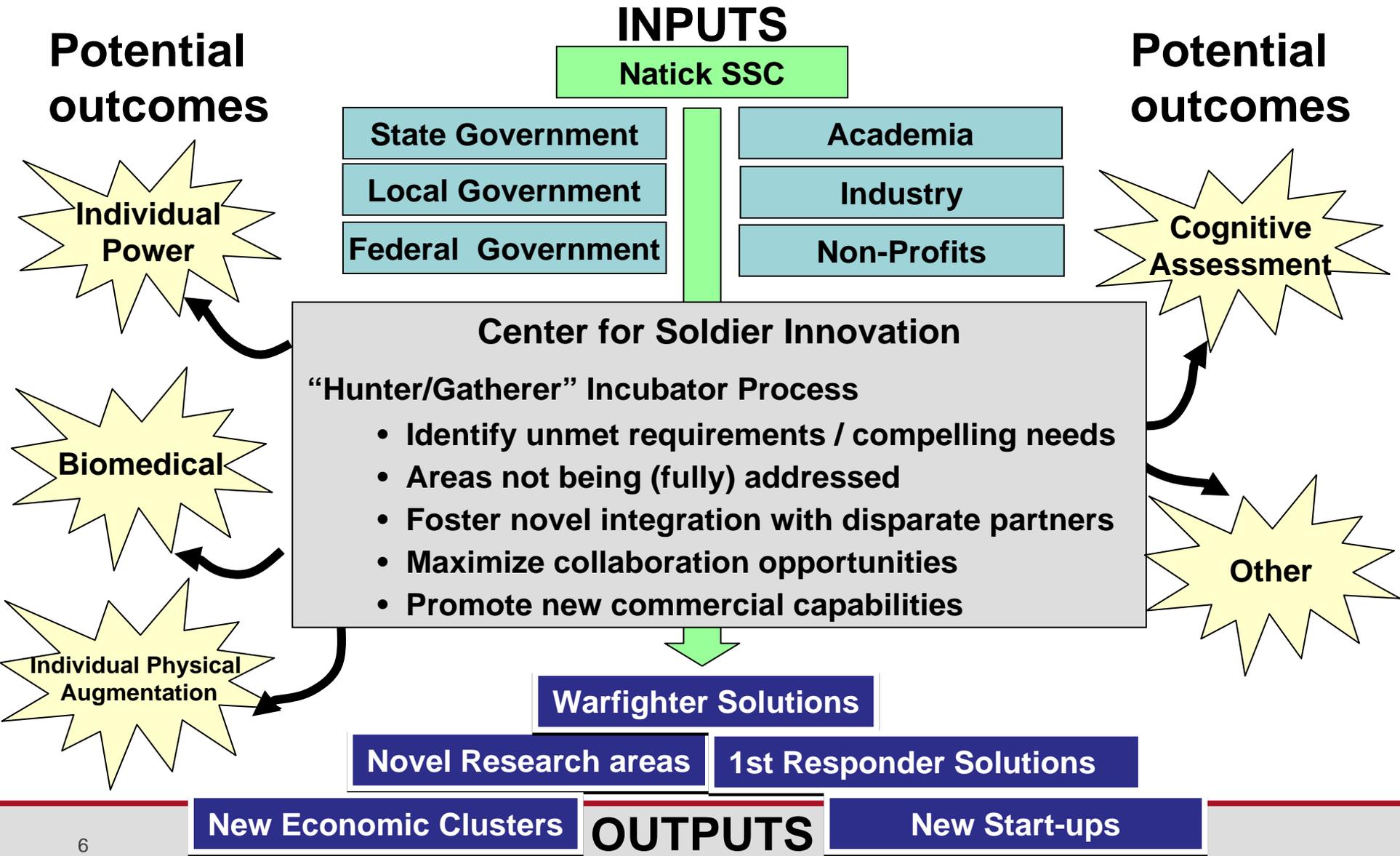
User Needs



**Technology Solutions e.g.,
soldier protection,
firefighter location/tracking**

Center for Soldier Innovation (CSI)

Another View of the Process



Center for Soldier Innovation (CSI)

Successful Venture Examples

- Examples:
 - SRI (established)
 - National Center for Maritime and Port Security (FL)
 - Center for Advanced Drug Research (CADRE) (VA)
 - Draper (in process)
 - Center for Geospatial Systems
 - Center for Bio MEMS
- Precedents with prior centers:
 - Seeded with State and Local funding
 - Partner with local universities and companies
 - Proposals to R&D funding sources
 - Exceeding Milestones
 - Tech/Development/Problem Solving
 - Job Creation
 - Funding

Typically

- \$20M spread over 5 years
- Explicit milestones
- Create 100+ Jobs
- Self-sustaining

Next Steps

Building Consensus

- S&T Board Feedback – apply feedback
- Meetings
 - Individually with S&T Board members
 - Military Stakeholders
 - Local and State officials
- Secure Center Funding
- Create Center – hire director

Do we have S&T Board endorsement?