

T2Bridge[™]

A Technology Acceleration Program

Spring 2007 National SBIR/STTR Conference

May 3, 2007



T2Bridge is an Authorized U.S. Department of Defense Partnership Intermediary

T2Bridge[™]

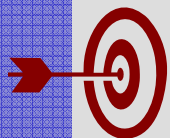
Addressing DoD Needs



T2Bridge Mission

To solve defense needs and promote economic growth through development, transfer, transition and commercialization of defense sponsored innovation.

- Defense sponsored innovation
 - Invented by DoD,
 - Developed with defense funding, or
 - Created under cooperative research w/ DoD



Placing innovative technologies into the hands of servicemen & women



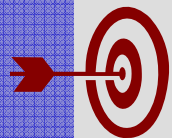
Primary Activities

- R&D Funding Solutions
- Accessing Unique DoD Resources
- DOD Patent Matching
- Technology Transition

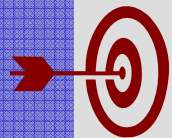


R&D Funding

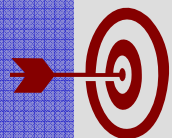
- Create awareness of DoD funding opportunities
- Seek innovation that meets DOD needs
- Assist in the capture of research funding
- Advance innovation through basic & applied research



Small Business Innovation Research (SBIR) Contracts



Small Business Technology Transfer (STTR) Contracts



Broad Agency Announcements (BAAs)



R&D Funding Assistance

- Create awareness of topics
- Match companies w/ partners
- Assist in outreach to DoD topic managers
- Provide proposal development support
- Support through RDT&E
- Continue support through transition



Sample DoD SBIR Topics

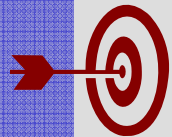
- Advanced Active Vibration Control of Helicopters
- Environmental Sensor for Autonomous UAVS
- Human Hydration Status Monitor
- Personal Insect Repellent Device
- Rapid Recharge, High Voltage Li-Ion Battery Chemistry
- Countermeasures for Laser Activated Devices
- Development of an Advanced Heat Exchanger
- Automated Condition Based Maintenance
- Novel Interactive Insignia for Combat Uniforms
- Spatio-temporal data modeling
- Portable Surface Bondability Detector
- Secure, Lightweight, Tamper Proof, Cable Technology

Selected topics from the current DoD SBIR solicitation with proposals due 6/13/07.

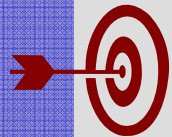


DOD-Unique Resources

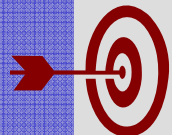
- More than 100 R&D facilities with unique capabilities, personnel, and equipment.
- Provide a key component to the development, testing, and evaluation of technologies as they relate to DoD needs.
- T2Bridge assists companies identify and access DoD-unique resources with the goal of advancing innovative technologies into products and service to meet DoD needs.



Test Services Agreements



Cooperative Research and Development Agreements (CRADAs)



Educational Partnership Agreements



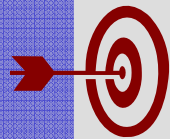
Sample DoD Resources

- AFRL Materials and Manufacturing Directorate
- AFRL Environmental Science Lab
- Marine Corps Combat Development Command
- Navy Chem/Bio Detection Lab – NSWC Crane
- Naval Surface Warfare Center
- U.S. Army Corps of Engineers, ERDC
- U.S. Army Edgewood Chemical Biological Center
- U.S. Army Institute of Surgical Research
- U.S. Army - Natick Soldier Center

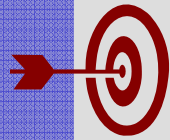


DOD Patent Matching

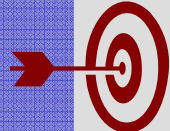
- Screening DoD patents for commercial potential
- Creating awareness of DOD patents
- Seeking qualified license candidates
- Assisting in preparation of license applications
- Providing assistance in the license process
- Advancing research, development, and transition



Commercial Evaluation Licenses



Patent Licensing Agreements

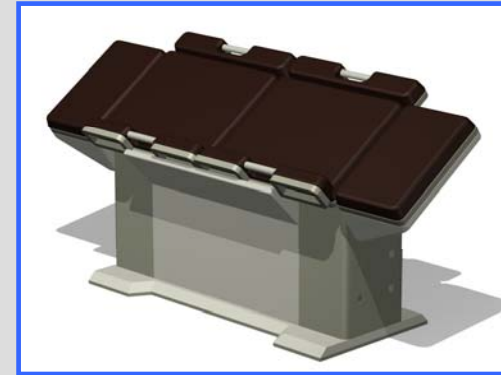


Cooperative R&D Agreements



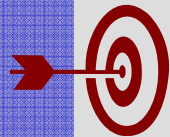
Sample DoD Patents

- Antimicrobial peptide
- Corrosion prevention compound
- Fibrinogen bandages
- Adaptable exam table
- Sonar sterilization
- Portable chemical sterilizer
- Cooling garment
- Ergo-knife

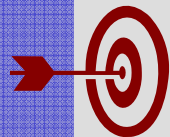


Technology Transition

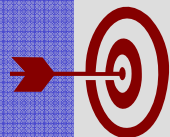
- Match DOD needs with emerging technologies
- Advance technology readiness
- Ensure manufacturing readiness
- Seek connections to program managers
- Create partnerships
- Other actions that lead to DoD procurement



Operational Test and Evaluation



Technology Transition Agreements



Innovative Technologies to the warfighter



T2Bridge Summary

- Solve defense needs through innovation
- Promote economic growth
- Accelerate development, transfer & transition of defense sponsored innovation



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