

Technology Transfer Opportunities



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85 Years of CB Defense Research and Innovation



Outline

- **DoD Directive**
- **Technology Transfer Mechanisms**
 - Cooperative R&D Agreement
 - Test Service Agreement
 - Patent License Agreement
- **Opportunities to Participate**



Technology Transfer Program

- **DOD Directive 5535.3**

- Makes Technology Transfer activities a high priority
- Recognizes benefit to national security mission, concurrent benefits to the economy, environment and social well being of U.S. citizens
- Expressively authorizes Cooperative R&D Agreements with DOD contractors

- **Caveats**

- Work is done on a “not to interfere” basis
- No undue competition with industry



Technology Transfer Mechanisms

- Cooperative Research and Development Agreement (CRADA)
- Test Service Agreement (TSA)
- Patent License Agreement (PLA)



Cooperative Research and Development Agreement

- Federal labs may *accept, retain, and use* funds, personnel, services, and property from a collaborating party and *provide* personnel, services, and property to a collaborating party
- Property may include intellectual property, equipment and material
- Services may include the full spectrum of RDT&E support



Chesapeake Perl - CRADA

- In FY02, ECBC and C-PERL completed a successful proof-of-principle demonstration under the CRADA
 - Obtained \$1.5M of private investor funding
 - Won the Maryland Biotech/Life Sciences Incubator Company of the Year Award
 - Featured in over 20 news articles, including FORTUNE Magazine's "Coolest Companies of 2002."

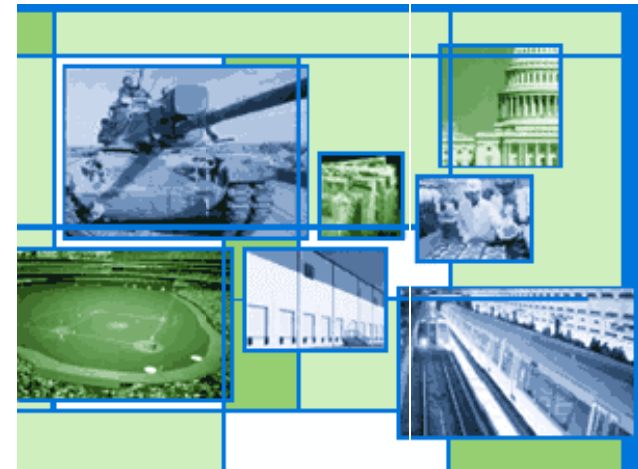


▪Winner of FLC Excellence in Technology Transfer Award

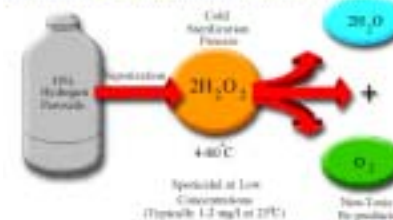


STE CRADA

- Strategic Technology Enterprises, Inc. subsidiary of Streis Corporation
 - Promising decontamination technology
 - Applications include full building decontamination like the Senate's Hart Office Building
 - Faster, cheaper, more efficient way to decontaminate
 - Applying technology to a new real world problem - Homeland Security



How VHP biodecontamination works...



Test Service Agreement

- Federal labs are authorized, for an appropriate fee, to test materials, equipment, models, computer software, and other items for any person or entity



Scott TSA



**SCOTT HEALTH
& SAFETY'S
AIR-PAK FIFTY
4.5 SCBA**

- Scott Health & Safety Breathing Apparatus is Approved by NIOSH for use in Chemical, Biological, Radiological and Nuclear Incidents
- Tested by ECBC



Microsensor TSA

- Microsensor chemical detector
- Tested by ECBC



Next generation design of SAW based chemical warfare agent detection. Portable, rugged and battery operated for operation in difficult environments.



Patent License Agreement

- The Army's RDECs are authorized to license intellectual property rights on behalf of the government. Licenses can be granted on an exclusive, partially exclusive, or non-exclusive basis.



Optimetrics PLA

- ADASHI Software
- Hazmat/CB Incident Response tool



The Automated Decision Aid System for Hazardous Incidents (ADASHI) is a unique, portable, computer-based integrated decision-aid support system for improving the response to hazardous or chemical/biological (CB) incidents by military and civilian responders



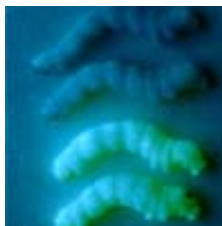
Purified microEnvironments PLA

- Biological and Chemical Glovebox/Filtration system
 - The glovebox and filtration unit provides a self contained system for safe handling of hazardous materials



FY03 Highlights

- 19 New CRADAs
- 16 New TSAs
- 1 PLA
- 2 FLC R&D Awards
 - Design, Development, Training, Fielding, and Continued
 - Consultation for Mobile Laboratories
 - Antibody Engineering for Expression in Insect Cells and Larvae
- FLC Director of the Year



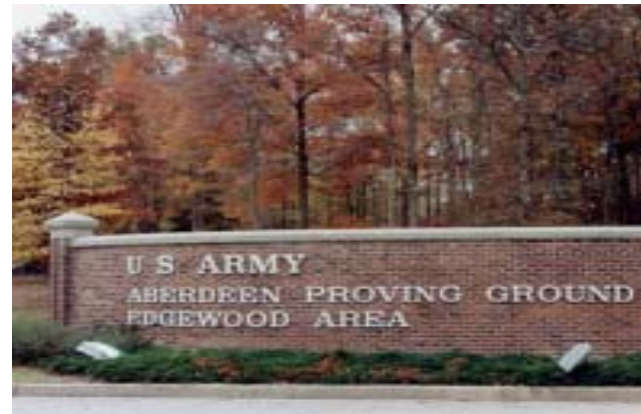
Opportunities - CRADAs

- Biotechnology
 - PEF & BL3 Facilities
- Decontamination
- Detection
- Protection
- Homeland Defense



Contact Information

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Everybody Wins

- Grows our capability & skills
- Exploits government's and industry's technology investments
- Small and large business can benefit

