

DHS Science and Technology Directorate

Research & Development Partnerships

Forging Partnerships

The Department of Homeland Security (DHS) Science & Technology Directorate (S&T) strives to develop and implement technology solutions that address our nation's most pressing security challenges. The Research and Development Partnerships Group (RDP) provides the homeland security enterprise access to science-based capabilities and solutions through a vast network of trusted partnerships and manages instrumental tools that allow RDP to sponsor critical research and development activities. RDP forges partnerships with five primary advanced research communities that include the private sector, academia, national laboratories, other departments and agencies and international partners. These communities drive innovation, providing S&T direct pathways to inform investments, sponsor cutting-edge technology and capability development and create impactful solutions for transfer to end users across the homeland security enterprise.

Private Sector Partnerships

To operate as a 21st century research and development organization, S&T is committed to energizing the Homeland Security Industrial Base by leveraging innovation ecosystems largely composed of non-traditional performers. RDP's Office of Public-Private Partnerships manages the Targeted Innovative Technology Acceleration Network (TITAN), a strategic business initiative to discover, engage and enable innovators. TITAN has created an engagement toolbox that will allow industry to partner with government in new ways that create more avenues for entrepreneurs and innovators to contribute new ideas, incentivize the development of creative solutions and foster collaboration to address the challenges of today and tomorrow.

New Industry Tools

- Accelerators/Incubators
- Horizon Scanning
- Other Transaction Agreements or OTAs for Consortium
- Prize Competitions
- Venture Capital Analytics

Mature R&D Sponsorship and Engagement Programs

- In-Q-Tel Interface
- Operational Experimentation
- Long Range Broad Agency Announcements or LRBAAs

- Small Business Innovation Program or SBIR
- SAFETY Act
- Technology Transfer Partnership Intermediary Agreements or PIA Cooperative Research & Development Agreement or CRADAs
- Technology Scouting and Forecasting

Interagency Partnerships

Collaborations with the interagency, at both the policy and programmatic level, allow S&T to reach beyond the resources of DHS. Interagency Partnerships, facilitated through RDP's Interagency Office, enable S&T to examine the full range of homeland security issues to form and maintain relationships with other organizations and leverage expertise and resources through joint programs across federal agencies.

International Partnerships

S&T partners with foreign governments and international organizations through RDP's International Cooperative Programs Office as security challenges continue to emerge and evolve on a global scale. These partnerships provide the Homeland Security Enterprise with access to innovative research and development knowledge, funding and other unique capabilities and resources. S&T has bilateral agreements with 13 international partners.

National Laboratory Partnerships

S&T relies on a coordinated network of advanced laboratories, including five DHS S&T laboratories and the Department of Energy's laboratory capabilities that are vital to the homeland security mission. These laboratories enable America's brightest scientists and engineers to apply their expertise and develop solutions to some of our most dangerous threats.

University Partnerships

S&T streamlines access to the expertise of academia through RDP's Office of University Programs. S&T currently partners with 10 university-based Centers of Excellence (COEs). The COE's have developed a reputation for delivering high-impact work with direct, practical application. Additionally, S&T is heavily involved in Workforce Development Initiatives and minority Serving Institutions Programs to cultivate the next generation homeland security workforce.



**Homeland
Security**

Science and Technology

To learn more about the DHS S&T Research & Development Partnerships, go to <http://www.dhs.gov/science-and-technology/about-research-and-development-partnerships>.