Over 500 victims saved from child sex trafficking by CHEXIA

395 explosive canine teams’ performance evaluated through REDDI program

94% of student participants correctly applied tourniquet after FAST training

Over 1,000 low-cost flood sensors in operational use

3x longer lasting hoist glove transitioned for helicopter rescue operations

1,153 SAFETY Act applications approved

300% improvement over previous counter-improvised explosive device tech with ReVJeT

86 tons of liquified chlorine safely released during Jack Rabbit II field trials

Nearly $10 million awarded to help secure mobile network infrastructure through SRMNI

15,000 computed tomography images of concealed opioids assessed

Locate responders to within 1 centimeter in 3D space with POINTER
In 2016, **Child Exploitation Image Analytics (CHEXIA)** helped law enforcement agencies analyze images more quickly and efficiently.

The **Regional Explosives Detection Dog Initiative (REDDI)** brings classroom instruction, exercises, and training aids to explosive detection canine teams.

Provided grant to bring the American Red Cross and National Center for Disaster Medicine and Public Health **First Aid for Severe Trauma (FAST)** program to high school students across the country at no cost.

S&T’s Small Business Innovation Research program enabled commercialization and deployment of smart sensors to rapidly measure rising water and trigger alerts of flood conditions.

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Enhanced product contains high-performance fabrics to better protect responders with increased abrasion resistance, durability, stain resistance, quick-dry, and more.

The **Support Anti-Terrorism by Fostering Effective Technologies (SAFETY) Act** has been incentivizing the development and deployment of anti-terrorism technologies since 2003 through systems of risk and litigation management.

Provided the **Reverse Velocity Jet Tamper**, a revolutionary water cannon tool, to every bomb squad in America through Federal Bureau of Investigation’s Hazardous Devices School.

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**Project Jack Rabbit** is a groundbreaking field and laboratory research program to improve hazard prediction modeling, emergency planning, and response strategies against chemical release incidents.

Along with CISA, provided 7 R&D awards to **Secure and Resilient Mobile Network Infrastructure (SRMNI)** project.

Completed first technical assessment of a modified CT system, the IDSS Detect 1000, equipped with an automatic opioid detection algorithm.

**Precision Outdoor and Indoor Navigation and Tracking for Emergency Responders (POINTER)** technology can penetrate a variety of building materials and signal if a responder is down.

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