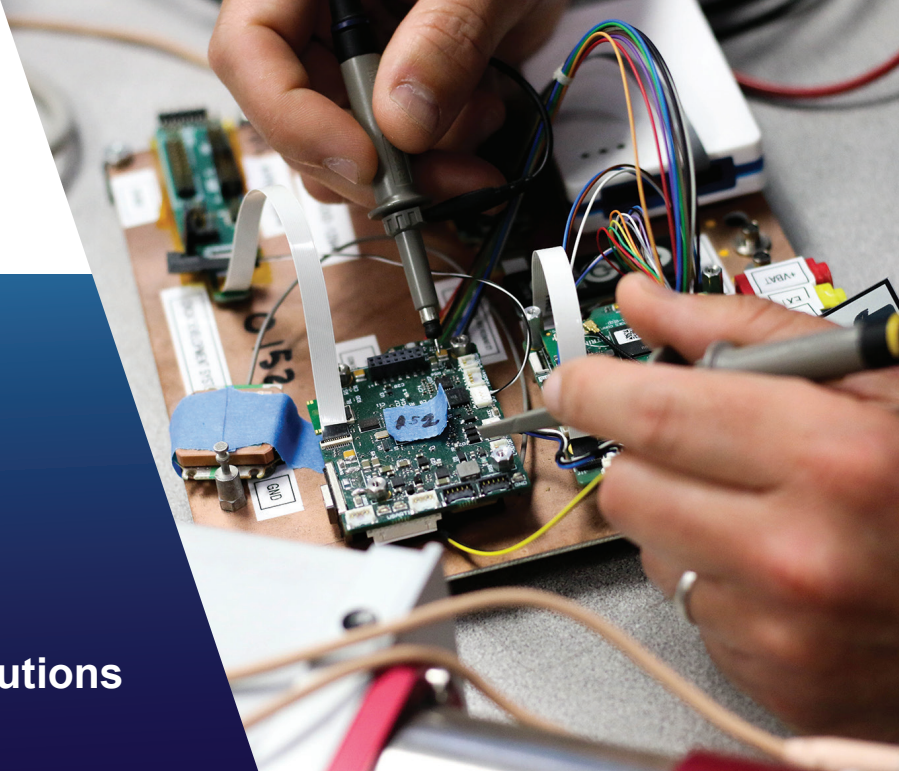


Special Technologies Laboratory

Delivering National Security Solutions



Who we are

Located in Santa Barbara, the Special Technologies Laboratory (STL) is a premier, multi-mission research and development technology hub. We deliver timely, innovative and high-impact solutions for the Nevada National Security Sites (NNSS), National Nuclear Security Administration (NNSA) and other national security partners.

STL's portfolios support NNSS and NNSA as a think tank and laboratory for Stockpile Stewardship, Defense Nuclear Nonproliferation and other government agencies missions. STL's enduring and frontier mission technology contributions are critical to NNSA and the American nuclear weapons enterprise.

What sets us apart

- Rapid engineering: Moving technology from concept to field deployment, bridging the gap between research and real-world application.
- Ground truth expertise: Specializing in high-speed, complex experiments and physical diagnostics.
- Unique capabilities: Combining state-of-the-art physical equipment with artificial intelligence to solve complex cyber-physical security threats.
- Fast turnaround: Assisting national laboratories with time-sensitive diagnostics to keep critical experiments on track.

Core mission portfolios

Dynamic Experiments

Guarantees the reliability of weapon systems through advanced research, pioneering diagnostics, and high-speed testing to support nuclear stockpile stewardship.

Nonproliferation R&D

Detects and characterizes foreign nuclear weapons programs to support arms control, treaty verification, and national nuclear security objectives.

Cyber Physical Defense

Protects critical infrastructure by combining physical sensors with artificial intelligence to detect anomalies and prevent threats.

Strategic Systems & Intelligence

Provides end-to-end engineering and fabrication—taking innovative technology from the drawing board to the field, offering rapid development and long-term support.

From ideation to application

Working closely with the NNSA and other national security partners, STL is uniquely poised to deliver today's solutions and counter tomorrow's threats. Our diverse team and specialized testbeds ensure that critical technology is developed, tested and deployed efficiently to secure the nation.

