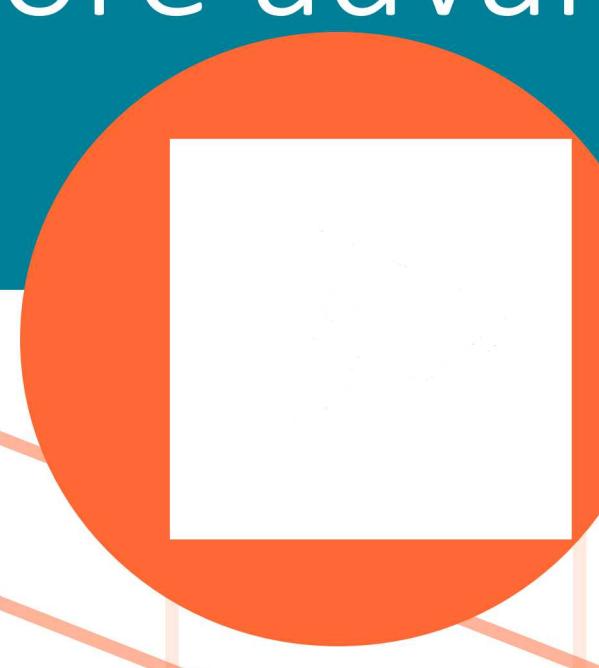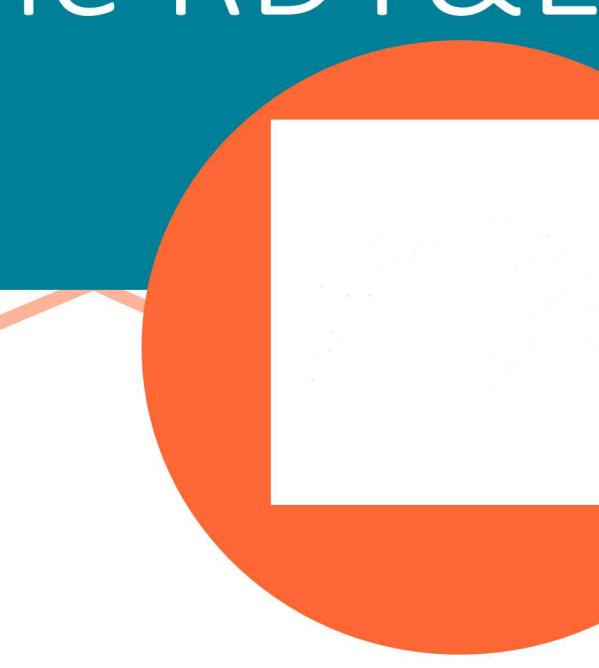# ADVANCED SECURITY TECHNOLOGIES LABORATORY (ASTL)

Physical Security systems must constantly evolve to meet emerging threats. Sandia's physical security technology development department is able to provide advanced, threat-informed solutions to real-world physical security problems through cutting-edge research and development.
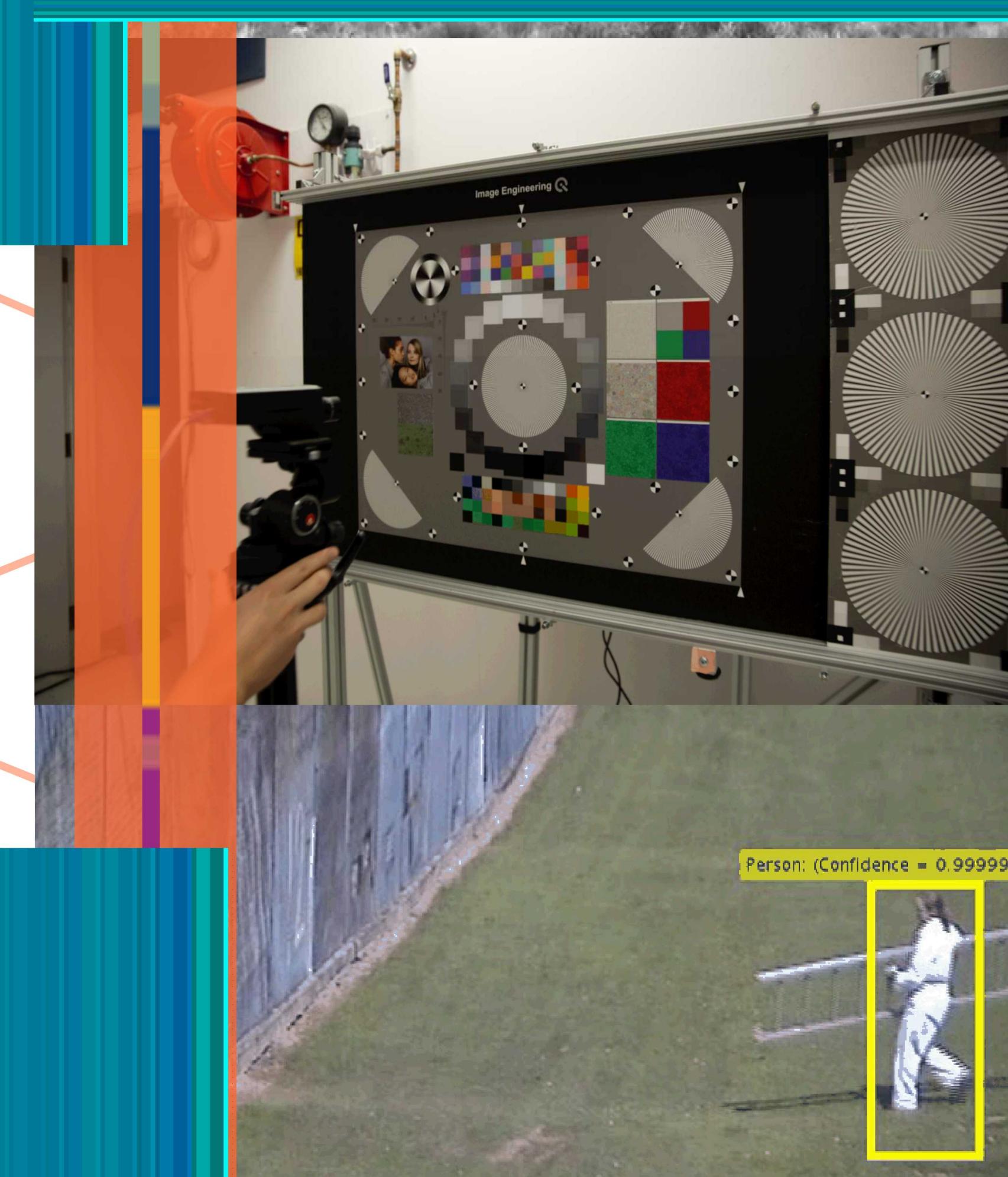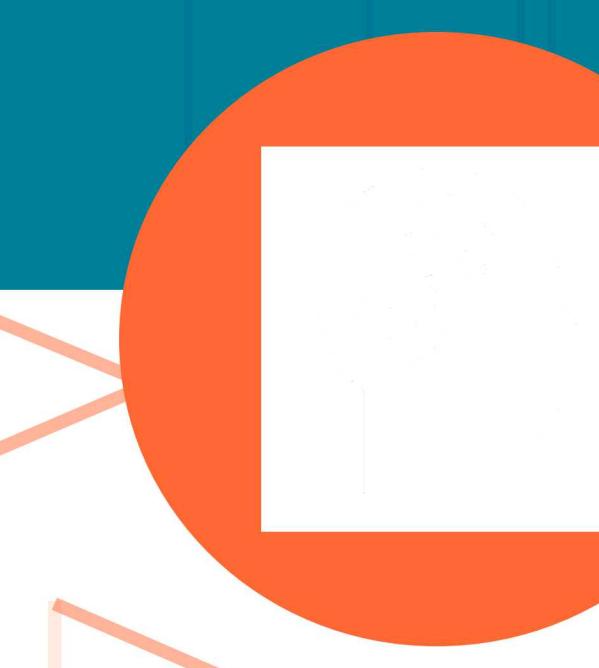
The Advanced Security Technologies Laboratory (ASTL) provides Sandia with dedicated space to explore advanced security concepts and multiple RDT&E capabilities including:

- Optical Tables & Equipment
- Over 1,000+ ft^2 of Lab Space

- Machine Learning/Deep Learning
- Multi-Disciplinary Staff

The ASTL brings together Sandia's diverse technical staff to collaborate on national security solutions while leveraging expertise across a wide variety of knowledge domains including:

- Advanced Physical Security of the Future
- UAS & Threat Imaging
- Trusted Communication Technologies

- Distributed Ledger Technologies
- Compressive Sensing
- Power Engineering & Evaluation

- Physical Security Sensor Testing & Evaluation
- Algorithm Development & Implementation