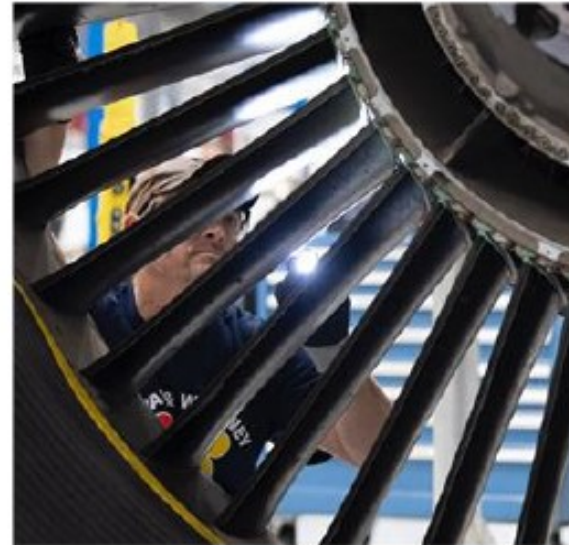# Raytheon
Applied Signal Technology

Contacts
Chris Reed, Chief Innovation Officer
chris.reed@RTX.com
Jonathan Wintrode, Engineering Fellow
jonathan.c.wintrode@RTX.com

Our Businesses

Raytheon Technologies

Collins Aerospace

Raytheon Intelligence & Space

Applied Signal Technology, Inc.

Pratt & Whitney

Raytheon Missiles & Defense
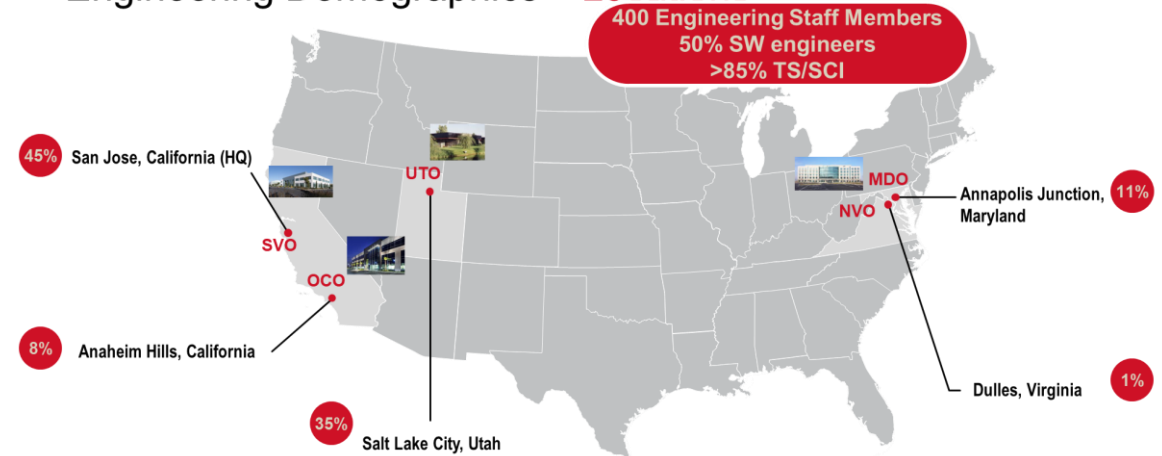
AST Geographically

Missions

- Telecommunication Processing and SMEs
- High-rate network reconnaissance
- Airborne SIGINT (ELINT/COMINT/CYBER)
- Cyber access and infrastructure
- EW Battle Management

Key Technology Expertise

- High-rate telecommunication processing
- Best in class Airborne geo-location
- Edge processing for SIGINT
- Low SWaP FPGA processing
- Optical Signal processing / Signal grooming / Signal survey
- Network reconnaissance and Cyber access
- Multi-domain AI/ML at the Edge (voice, RF, cyber)

Engineering Demographics – Locations

400 Engineering Staff Members
50% SW engineers
>85% TS/SCI

- 45% San Jose, California (HQ)
- UTO
- SVO
- OCO
- MDO
- NVO
- 11% Annapolis Junction, Maryland
- 8% Anaheim Hills, California
- 1% Dulles, Virginia
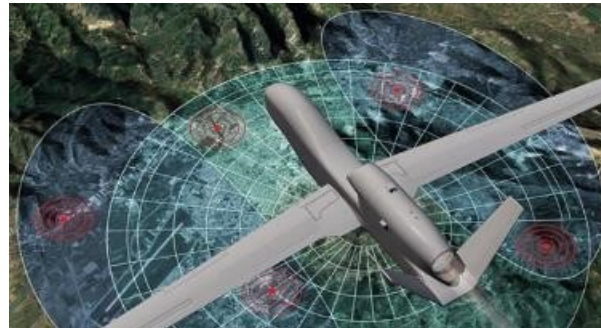- 35% Salt Lake City, Utah

Michael Fisher, VP
HQ: San Jose, California
Dulles, Virginia
Anaheim, California
Salt Lake City, Utah
Ft Wayne, Indiana
Annapolis Junction, Maryland

TRUSTED STRATEGIC AND TACTICAL SIGINT SOLUTIONS THAT PROTECT THE INTERESTS OF THE U.S. AND ITS PARTNERS

Raytheon
Intelligence & Space

AST Strategic Businesses

Research and Development ■ Integration ■ Analysis ■ On-site Services ■ Mission Operations and Support

Broadband Communication Systems

High-capacity broadband communication systems analysis for the Intelligence Community and DoD.

Surveillance Systems

SIGINT and Airborne Electronic Intelligence sensor collection, processing, and information exploitation systems for the military and IC.
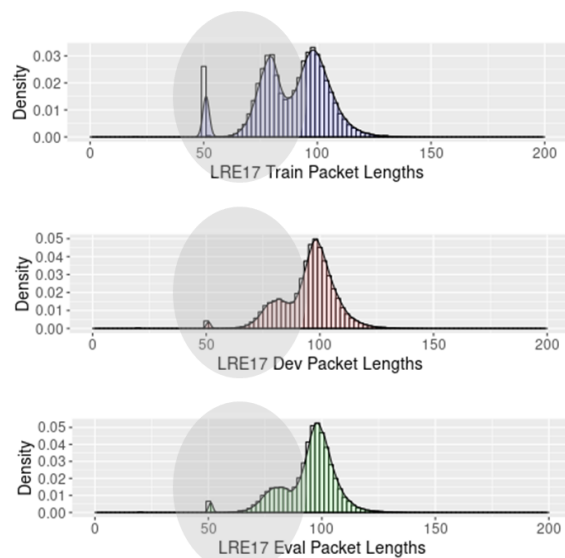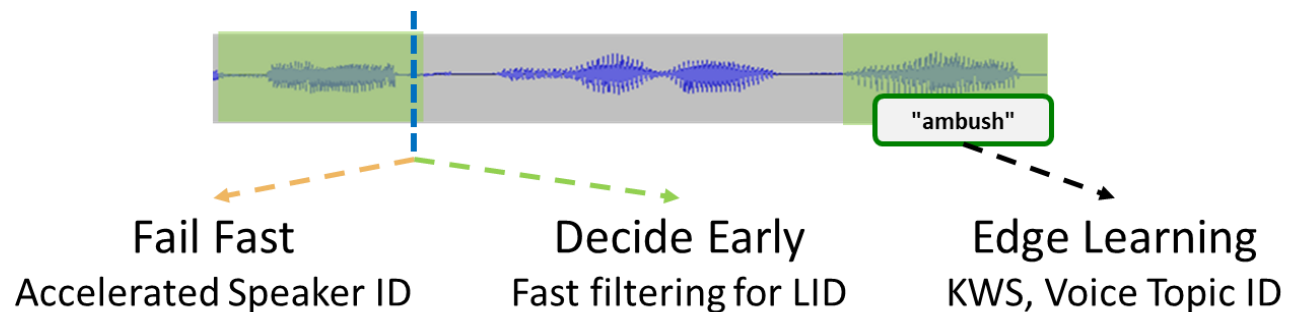
Network Information Operations

Unique network enabled access, C2/connectivity, tools and analytics solutions for the cyber domain.
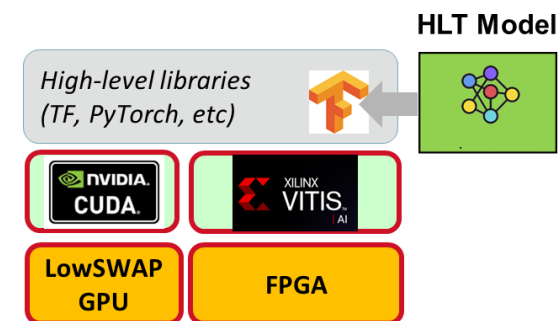
Office of Innovation

Harnessing expertise across all engineering disciplines and businesses to support internal and government funded R&D tackling the IC and DoD's hardest problems. Supporting early-stage and bottom-up, employee-driven innovation.

Raytheon
Intelligence & Space

AST HLT Research

- Voice processing algorithms for edge and high-volume environments

Fail Fast
Accelerated Speaker ID

Decide Early
Fast filtering for LID

Edge Learning
KWS, Voice Topic ID

- Voice processing for encrypted or challenging data domains
  - e.g. LRE17 via VoIP packet lengths.

- Efficient implementations for low size, weight, and power (SWaP) deployments.

Applied Signal Technology

- AST has over 4 decades of Mission experience
- AST is a telecommunication network subject matter expert
- AST is leading provider of low power products for SIGINT applications
- AST is a premier provider of classified technology to the US Government
- AST SIGINT signal processing is among the best in the world
- AST provides the most accurate SIGINT geolocation systems
- AST is a technical incubator, bring decades of innovation to the mission
- AST is agile and able to deliver capabilities for QRC applications
- AST works in all domains
- AST is critical to current and future US Government missions
- AST staff is cleared to the highest levels of mission

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