RADAR

Advanced Tactical Solutions

High-resolution Ku image

CUTTING-EDGE RADAR SOLUTIONS

The Space Dynamics Laboratory (SDL) specializes in radar system development for the most challenging surveillance and reconnaissance missions.

- Radar system design & analysis
- Innovative data collection configurations
- Multistatic capabilities
  - Synthetic aperture radar (SAR)
  - Ground moving target indicator (GMTI)
  - Coherent change detection (CCD)
- Stunning high-resolution imagery
- Cross-domain solutions
- Expert modeling & simulation
- Systems & hardware ready in house
- Custom antenna design & build
- Data collection & flight test support

UTAH STATE UNIVERSITY
SPACE DYNAMICS LABORATORY®

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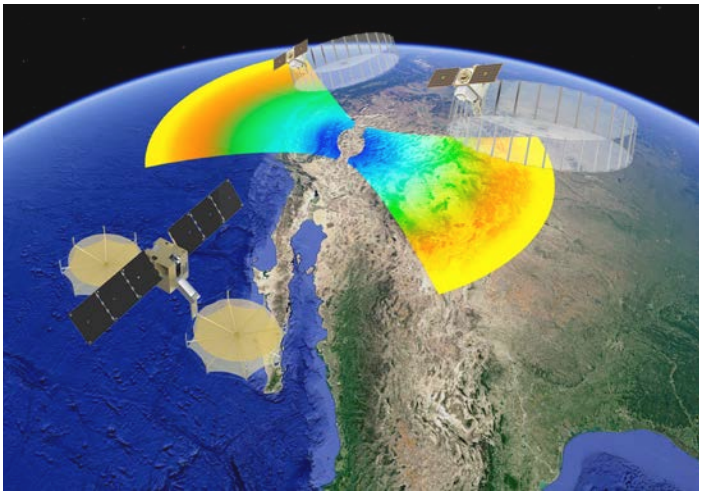
SDL/20-3230 Rev. A

SDL OFFERS CUSTOMERS COMPREHENSIVE RADAR SYSTEM DEVELOPMENT SERVICES

MODELING & SIMULATION

Predict System & Algorithm Performance

SDL models innovative concepts of operation and runs accurate time-domain simulations to predict system and algorithm performance.



FLIGHT TESTING SERVICE CENTER

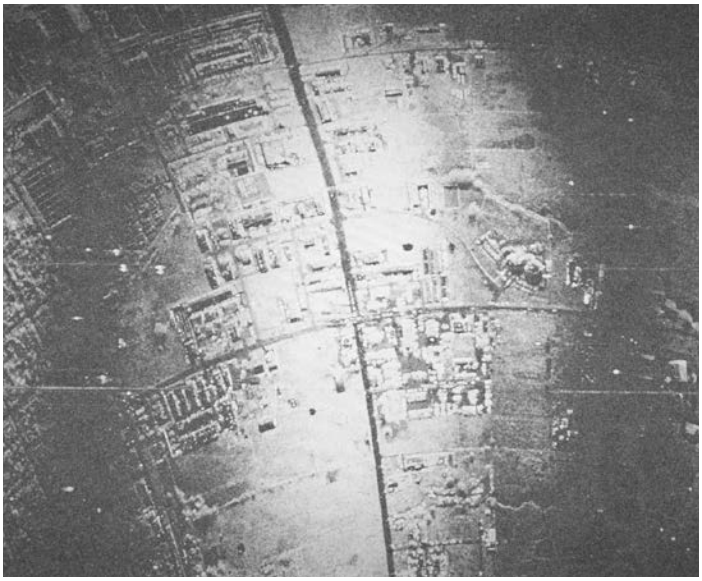
Verify Flight Operation Performance

SDL's flight testing service center is flexible, cost-effective, and reliable. It includes both unmanned and manned platforms, including two Cessna O-2A Skymaster aircraft.

MULTISTATIC MODES

Achieve State-of-the-Art Multistatic Systems

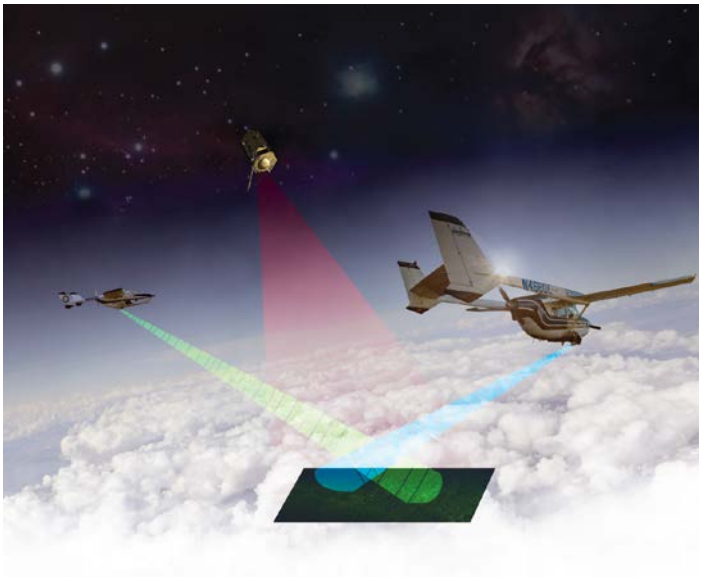
SDL is a world leader in multistatic SAR, GMTI, and CCD using deterministic and nondeterministic processing.



CROSS-DOMAIN SOLUTIONS

Explore Air & Space Modalities

SDL leads the industry in interoperability for disparate systems across domains and continues to innovate for customers.



WHY CHOOSE SDL?

As a Department of Defense (DoD) University Affiliated Research Center (UARC), SDL is uniquely positioned to solve problems in the interest of national security and science. SDL is committed to employing open standards and delivering technology with Government purpose rights. SDL's sensing team has the expertise to provide full system design, build, and test using a novel, agile development approach, and it has a proven track record of delivering innovative radar hardware and processing solutions to DoD customers.

SDL