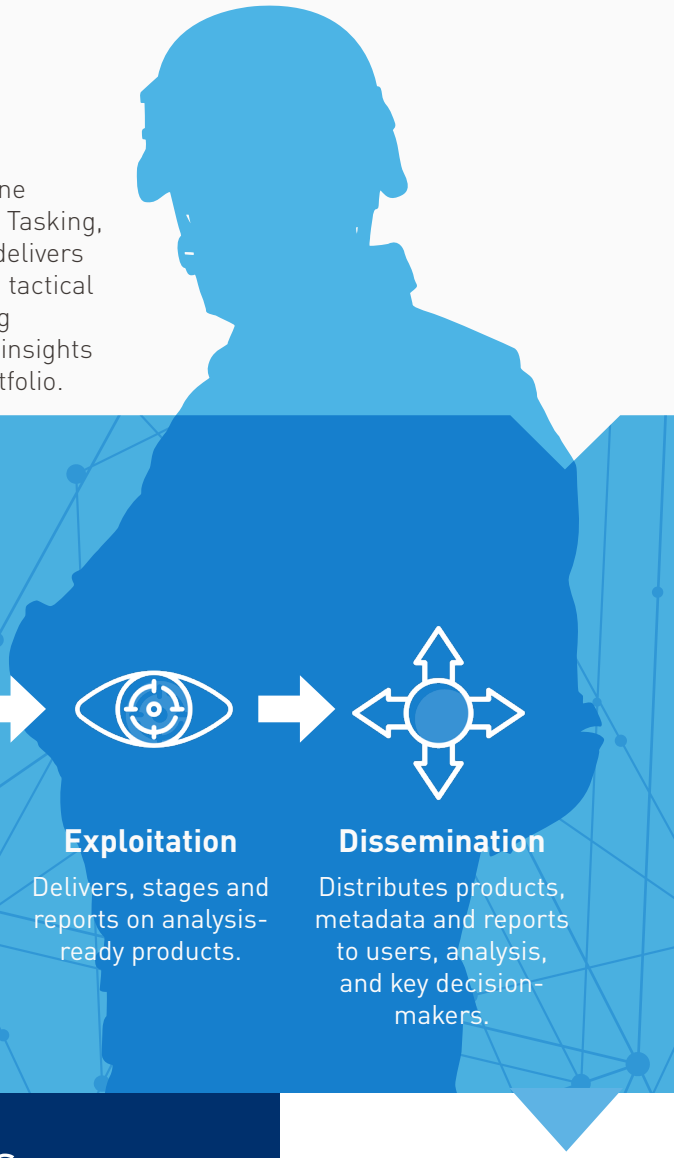
LOCKHEED MARTIN

Automated TCPED

An OpenRosetta3D® (OR3D®) Mission System

In the era of open-system architecture, virtual computing, big data, machine learning, and advanced visualizations, Geospatial Technology's automated Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) solution delivers a sovereign, standards-based platform that seamlessly fuses national and tactical ISR assets with commercial sensors-eliminating data silos-while providing modular, rapid ingestion, geospatial-temporal correlation, and actionable insights across the entire Intelligence, Surveillance, and Reconnaissance (ISR) portfolio.



TCPED System

Autonomous execution and acceleration of the TCPED cycle



Tasking

Includes muti-mission constellation planning, analysis, ordering and reporting.

Collection

Tracks ISR collection status and validates, catalogs, archives, and reports data.

Processing

Manages and transforms EO, SAR, and multi-source data into analysis-ready products.

Exploitation

Delivers, stages and reports on analysis-ready products.

Dissemination

Distributes products, metadata and reports to users, analysis, and key decision-makers.

Key Features and Benefits

Accelerated Results

Streamline the geospatial production chain—from ingesting data to dissemination—by removing manual steps.

Cost Savings

Reduce operational expenses by optimizing processes and minimizing manual resource demands.

Agile Operations

Adapt quickly to evolving missions, requirments, and priorities with flexible, configurable capabilities.

Maximized Data Investment

Unlock greater value and insights from existing and future geospatial data sources.

Centralized Production

Manage, process, and disseminate geospatial data from multiple sources within a single, unified platform.

Operational Efficiency

Automate and streamline end-to-end workflows to save time, reduce effort, and improve overall productivity.

Scan the QR code to find out more

©2026 Lockheed Martin Corporation - PIRA# DAL2025120591