



COMPASS

NEXT GENERATION MISSION MANAGEMENT

LOCKHEED MARTIN
We never forget who we're working for®





OVERVIEW

COMPASS makes the most of your space or air mission with a highly visual and intuitive solutions set that provides enhanced situational awareness and facilitates rapid responsiveness. Our COMPASS jump-start kit takes advantage of the flexibility and scalability afforded by the Lockheed Martin Enterprise Ground Architecture (EGA) system.

COMPASS enables customer success by providing an end-to-end solution to manage a constellation of heterogeneous sensors with reconnaissance, surveillance, tactical, scientific, or commercial missions, while ensuring affordability and optimizing the value gained from the constellation.

CAPABILITIES

COMPASS features a robust toolbox of proven algorithms to solve mission management challenges:

- **Constraint Management** – Provides core libraries to support spatial and temporal calculations, weather processing, and data management, distributed algorithms, and more.
- **Opportunity Generation** – Calculates access to resources and collection objectives.
- **Activity Management** – Offers resource and window plan generation.
- **Constellation and Asset Scheduling** – Boosts utilization across assets for collection and delivers optimal vehicle schedules.
- **Dashboards** – Provides enhanced situational awareness, integrating display of globes, maps, timelines, and advanced analytics for customers.
- **Operator On or In-the-Loop** – Fully automated, but also allows for a configurable level of manual control at the constellation, asset, and task level.



VALUE

Customer benefits gained through the COMPASS solution include:

- **Flexible** – Manages simple missions to Multi-Intelligence constellation management.
- **Optimizing** – Orchestrates cooperative collection strategies and eliminates redundancy.
- **Dynamic** – Provides real-time tasking, responsive operator workflows.
- **Efficient** – Features parallel and distributed algorithms.
- **Affordable** – Uses commercial standards enabling for rapid integration with other system components
- **Adaptable** – Scales for business priorities and proven multi-domain algorithms.
- **Advanced Visualization** – Delivers rich, sustainable web-based displays for mission insight, interaction and what-if analysis.

The largest, most complex and most influential businesses and governments around the globe rely on Lockheed Martin to meet the challenge of ever-expanding amounts of information.

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