

LEOSAFE ▶ On-Demand Screening and Near Real-Time Conjunction Alerts for Safety of Flight

KNOW WHAT'S AHEAD, 24/7/365

LeoLabs is the global commercial leader in delivering comprehensive, real-time data on objects and activity in low Earth orbit to help customers avoid collisions, protect assets, and ensure safe operations. 



OUR TECHNOLOGY STACK

A Proliferated Radar Network for Continuous Custody

LeoLabs provides global, all-weather coverage. Our best-in-class infrastructure offers a rapid revisit rate and delivers precise, low-latency data.

A Platform Engineered to Meet Rigorous Data Standards

Our platform starts with the largest commercial catalog of objects in LEO. Seamlessly integrate our data and analytics into existing architectures or access them directly.

- ▶ Near real-time CDMs
- ▶ External CDM integration
- ▶ Comprehensive dashboards and reports
- ▶ On-demand ephemeris screening
- ▶ Enhanced secondary object support

AI for Dynamic Space Operations

We leverage AI to build a more complete data catalog, maintain precise tracking, and deliver accurate, trusted CDMs.

THE GOLD STANDARD FOR SAFETY OF FLIGHT



PRECISE

<15-meter state vector accuracy



ACTIONABLE

Updated conjunction alerts **5 to 10** times per day on average for 5 days leading up to an event based on the latest radar tracking data



PERSISTENT

High revisit rates for increased object custody



COMPREHENSIVE

24K+ space objects cataloged

FEATURES



Persistent Screening

Leverage continuous screening and identification of close approach events as soon as new LeoLabs radar tracking data or operator-provided ephemerides are available.



Real-time Conjunction Alerts

Receive Conjunction Data Messages (CDMs) less than 5 minutes from each automated screening.



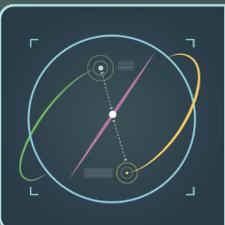
On-Demand Ephemeris Screening

Perform custom conjunction screenings of candidate maneuver ephemerides against our orbital data catalog, with CDMs returned in less than 30 seconds.



Enhanced Secondary Object Support

Request more frequent sensor tasking, view upcoming radar pass opportunities and previous pass outcomes, and access secondary object state vector and covariance information for high-risk events.



External CDM Integration

Search and view CDMs from both LeoLabs and the U.S. Government in a single dashboard to make informed maneuver decisions.



Comprehensive Dashboards and Reports

Understand how collision probability evolves over time with tailored web tools, including Conjunction Analysis Reports with interactive data plots and visualizations for key event risk and trending metrics.