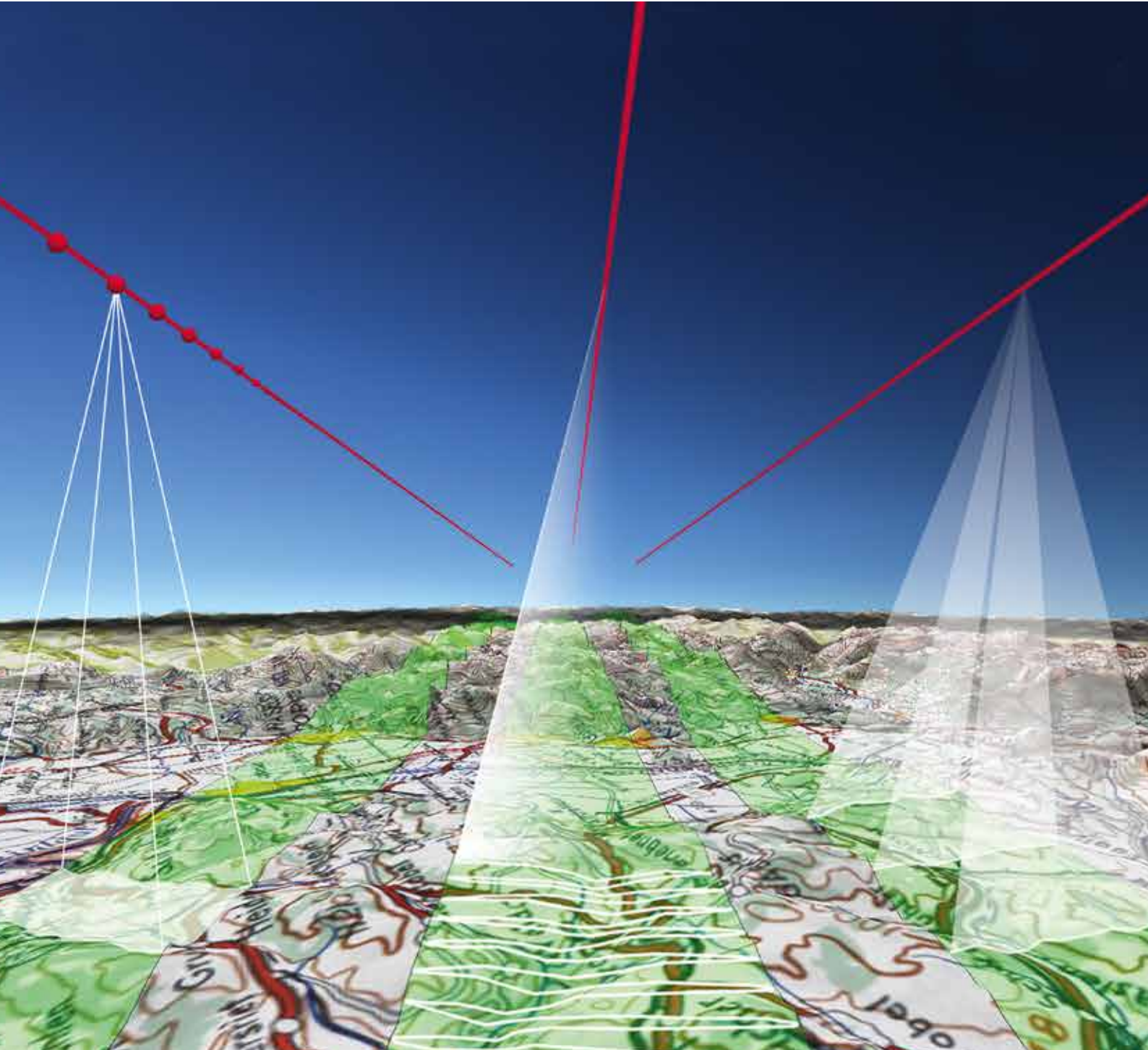


Mission Planning & Flight Execution

Make every flight count



Leica MissionPro

Mission planning & evaluation



Effortless and immersive 3D mission planning across the globe

Leica MissionPro is the mission planning software for all Leica Geosystems and third party airborne sensors across multiple product generations. The unique 3D virtual globe interface and the advanced computation algorithms simplify and speed up your mission planning.

Generate effective flight plans by selecting area, sensor and acquisition parameters. Evaluate the mission quickly and thoroughly right after execution, regardless of project size. Evaluate your flights, run quality control, prepare reporting and manage projects.

Leica FlightPro

Flight management & sensor control

AVAILABLE IN:
CHINESE
RUSSIAN
JAPANESE
AND MORE

Cut data acquisition costs by increasing your flight productivity

Leica FlightPro is a state-of-the-art flight management and sensor control system that makes surveying flights more effective and effortless for Leica Geosystems and third party airborne sensors across multiple generations and sensor types.

Flight guidance, sensor configuration and release, system monitoring and logging are part of an integrated and complete workflow that increases productivity. The inflight sensor and system quality control features will significantly decrease your data acquisition cost.



One workflow for multiple sensors

- Sensor-independent solution to plan for LiDAR, frame and line sensors
- Multisensor imaging and LiDAR planning optimised per flight line

Cost estimation & flight evaluation

- Estimate project cost during planning
- Graphic evaluation and flight comparison with the original plan
- Immediate postflight assessment

Reduce training & enhance productivity

- Parameter specification for automatic and accurate computation of blocks, corridors and single flight lines
- Import and export of common GIS data formats
- Algorithms use local DTM and global SRTM/ASTER data
- Base maps provided by Web Map Service

3D virtual globe view

- 3D flight planning like the pilot sees it
- Straightforward mission planning over difficult terrain, by scaling from whole globe to frame view with a single scroll

Database to project management

- Scalable database architecture for flexibility and integrity in the planning process
- SQL database stores past and current mission information for multiple users

INTEGRATED MISSION PLANNING & FLIGHT EXECUTION



PLAN



GENERATE



EVALUATE

SEAMLESS
WORKFLOW



GUIDE



RECORD



MONITOR

Increased productivity

- Automatic configuration and recording to flight plan, environmental factors and flight conditions
- Monitoring, logging and reporting of GNSS/IMU quality, system health and completeness of the project
- Flight user log entries appended to data

Optimised flight guidance

- Real-time navigation information from GNSS/IMU system for accurate sensor control and flight path and flying height (AMSL or ALT-AGL) guidance
- Background display of raster maps, shaded relief, elevation coloured DTM data, vector maps, ground control points, location and reference stations

Shorter & more efficient flights

- Inflight evaluation for quality control
- Marks parts of a flight line that have incomplete or poor quality data
- Takes previous flights into account
- Real-time coverage on DTM

Reduced stress on flight crew

- Independent view and optimisation of operator and pilot interfaces
- Clear icons and quick navigation in menu options for easy inflight handling
- Included simulator software to train operators and pilots on the ground

Common sensor platform

Leica Geosystems is the go-to provider offering imaging and LiDAR solutions based on common sensor software and system peripherals. Users can share components and operator and pilot interfaces between systems for easy and consistent installation across all airborne sensors, providing synergies in ground handling, workflow efficiency and operator training.



The Leica PAV100 gyro-stabilised sensor mount is a key component of the common sensor platform. Together with the Leica OC60 operator console, the Leica PD60 pilot display and the mission planning and flight execution workflow, it completes the system peripherals.

Revolutionising the world of measurement and survey for nearly 200 years, Leica Geosystems creates complete solutions for professionals across the planet. Known for premium products and innovative solution development, professionals in a diverse mix of industries, such as aerospace and defence, safety and security, construction, and manufacturing, trust Leica Geosystems for all their geospatial needs. With precise and accurate instruments, sophisticated software, and dependable services, Leica Geosystems delivers value every day to those shaping the future of our world.

Leica Geosystems is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technologies that drive quality and productivity improvements across geospatial and industrial enterprise applications.



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Leica ADS100
Airborne digital sensor
Airborne evolution



Leica DMC III
Breaking new ground.
Always.



Leica ALS80
Fast & flexible
airborne LiDAR sensor



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RGBN imagery

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printed by aerial-survey-base

- when it has to be **right**

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