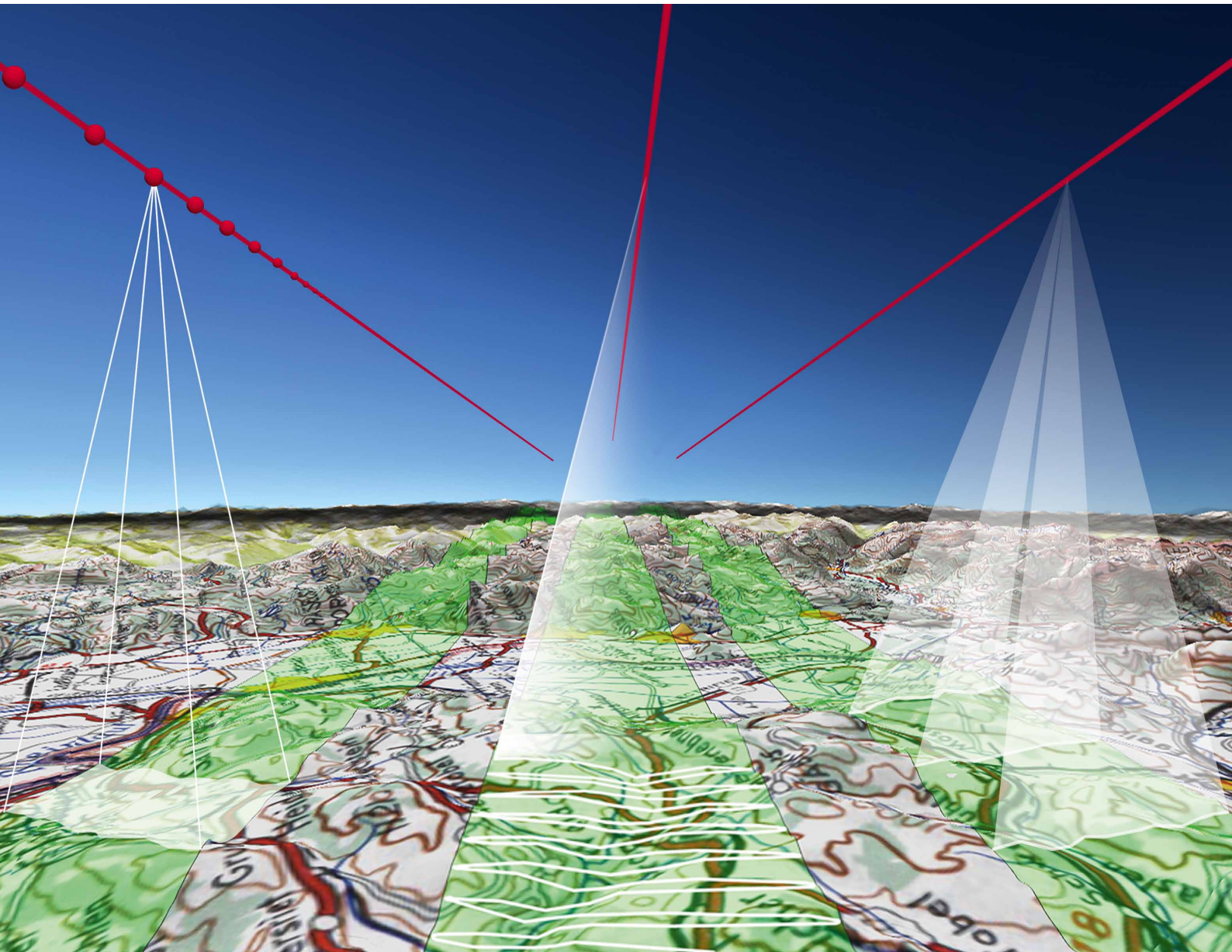


Leica MissionPro

Mission Planning Software



- when it has to be **right**

Leica
Geosystems

Leica MissionPro

The Mission Planning Software for Airborne Sensors

Leica MissionPro is the mission planning software for all Z/I Imaging and Leica Geosystems airborne sensors and supports mission planning for 3rd party airborne sensors.

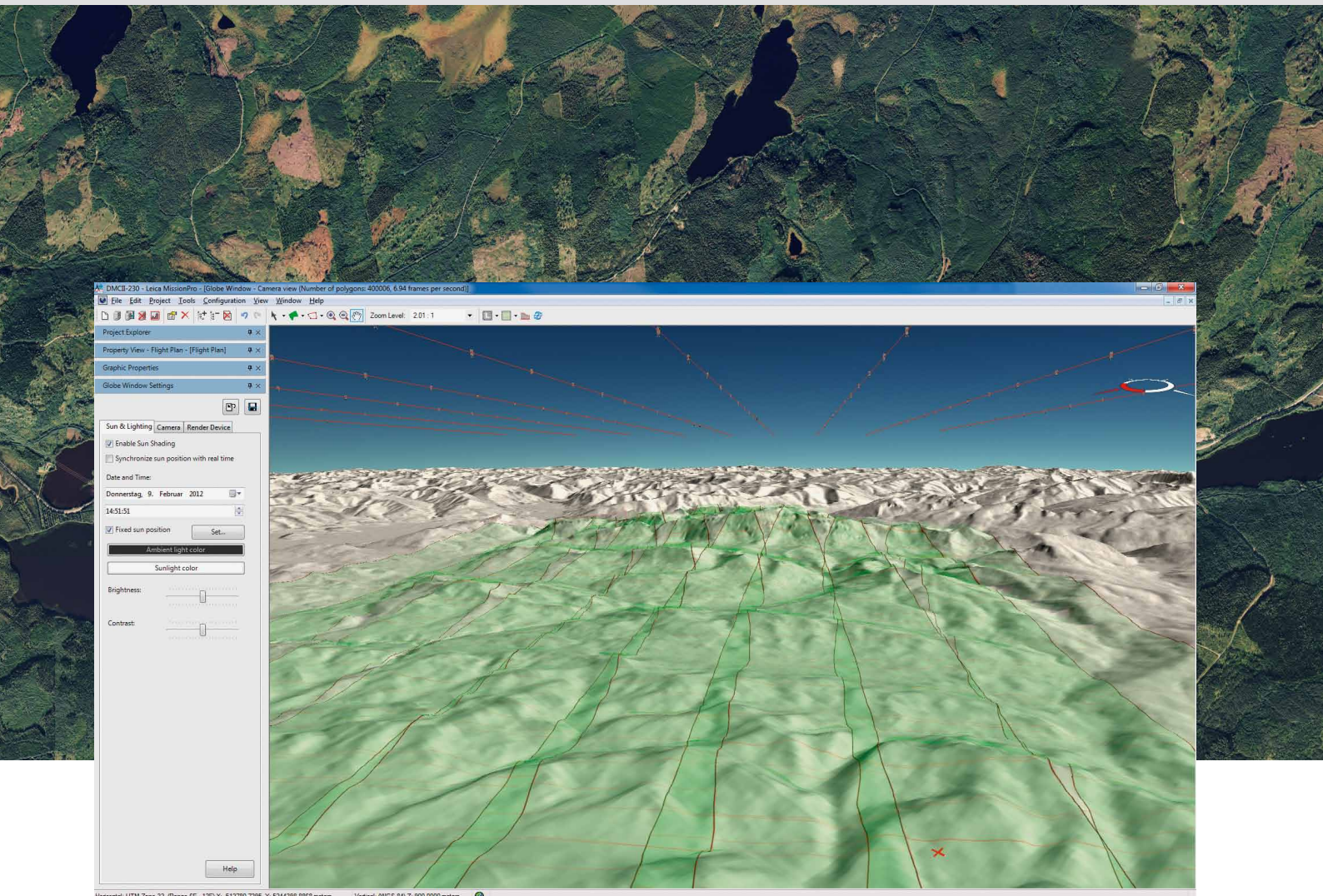
Leica MissionPro combines the very best features from Z/I Mission and Leica FPES mission planning software. And is enhanced with an unique 3D virtual globe interface, improved computation algorithms and multitude of unique features. **Now flight planning is easier and faster.**

Leica MissionPro Core Functionality

Select the area, sensor and acquisition parameters and Leica MissionPro will generate an effective flight plan to cover the terrain. After the flight, quickly and thoroughly evaluate all flown missions, irrespective of project size, with Leica MissionPro.

Flight Planning Features

- Automatic and accurate computation of blocks, corridors and single flight lines from any user specified parameters constrained to area coverage, stereo overlap, point density and any other sensor-related parameters
- Unique 3D virtual globe planning environment and traditional 2D map planning view
- Sophisticated computation algorithms using local DTM and global SRTM/ASTER DTM data automatically
- Background maps from Web Map Service (WMS) servers
- Efficient flight planning for
 - Z/I Imaging Airborne Sensors
 - Leica Geosystems Airborne Sensors
 - 3rd party airborne sensors
- Fully integrated into existing Z/I Imaging and Leica Geosystems workflows
- Export of flight plans for flight execution with Z/I Inflight, Leica FCMS, Leica ASCOT and 3rd party systems
- Multi-sensor planning
- LiDAR planning optimized per flight line
- Support of all common projection systems and datum definitions
- Import and export of common GIS data formats
- Export of planning chart with planning information in common graphical formats
- Cost estimation



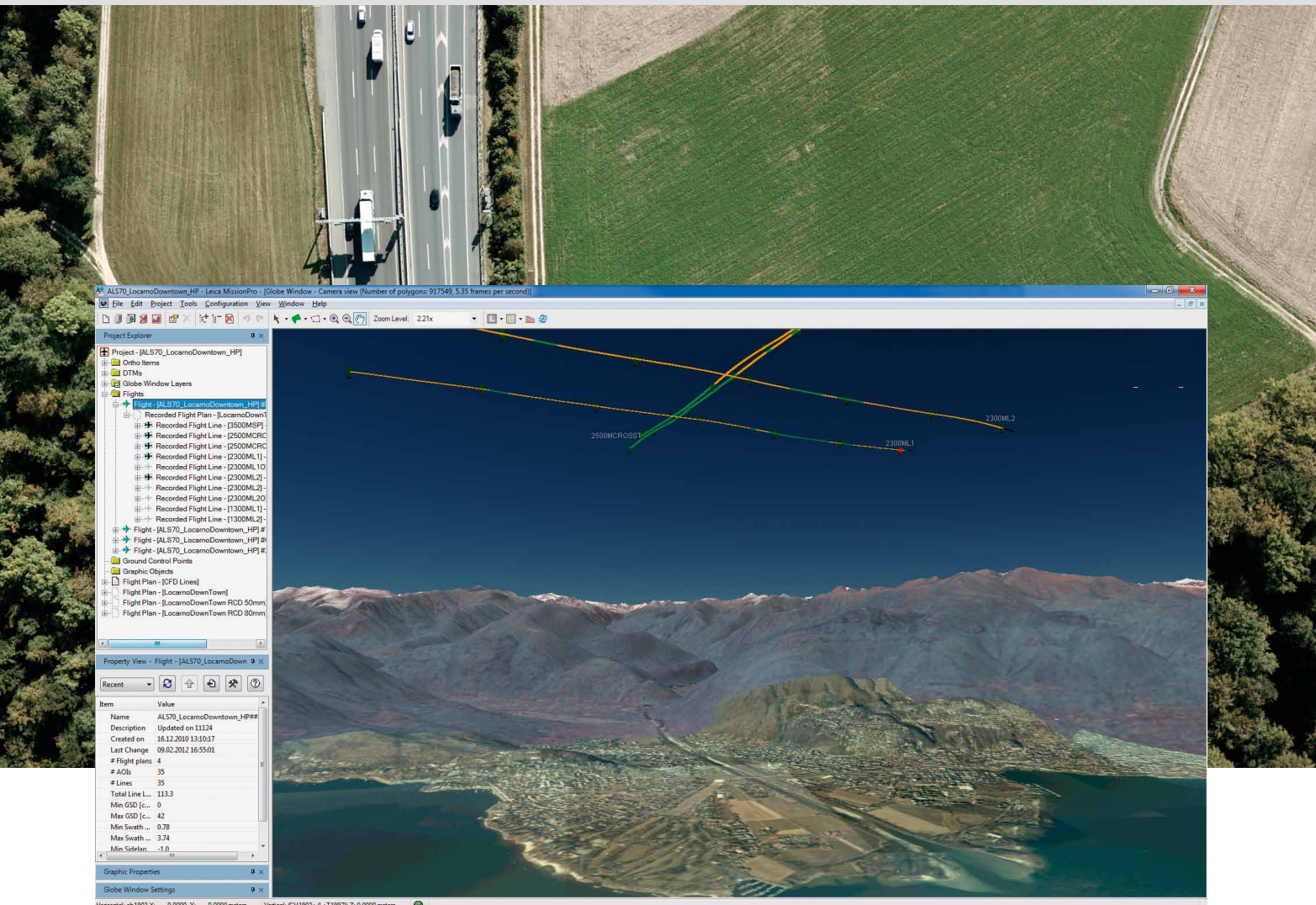
Flight plan draped over DEM with sun shading configured to specific time and date

Flight Evaluation Features

- Project management tools
- Graphical evaluation of the flown flights joined with the original flight plan
- Combined and comprehensive evaluation of multiple flights
- Calculated and summarized flight information for easy flight QC, reporting and project management
- Flexible export options of all mission data into external QC, reporting and project management workflows

Minimum Hardware Requirements

- Intel Core 2 or higher processor with 4 GB RAM minimum
- MS Windows XP, Vista or Windows 7 (32bit and 64bit Operating System)
- AMD/ATI or NVIDIA graphics card and at least 1280 x 1024 pixels screen resolution



Flight evaluation with flight lines showing warnings in orange and thumbnails draped over the DEM

Leica MissionPro Special Features

In addition to the core functionality, Leica MissionPro includes enhancements to improve your mission planning and evaluation.

Globe View

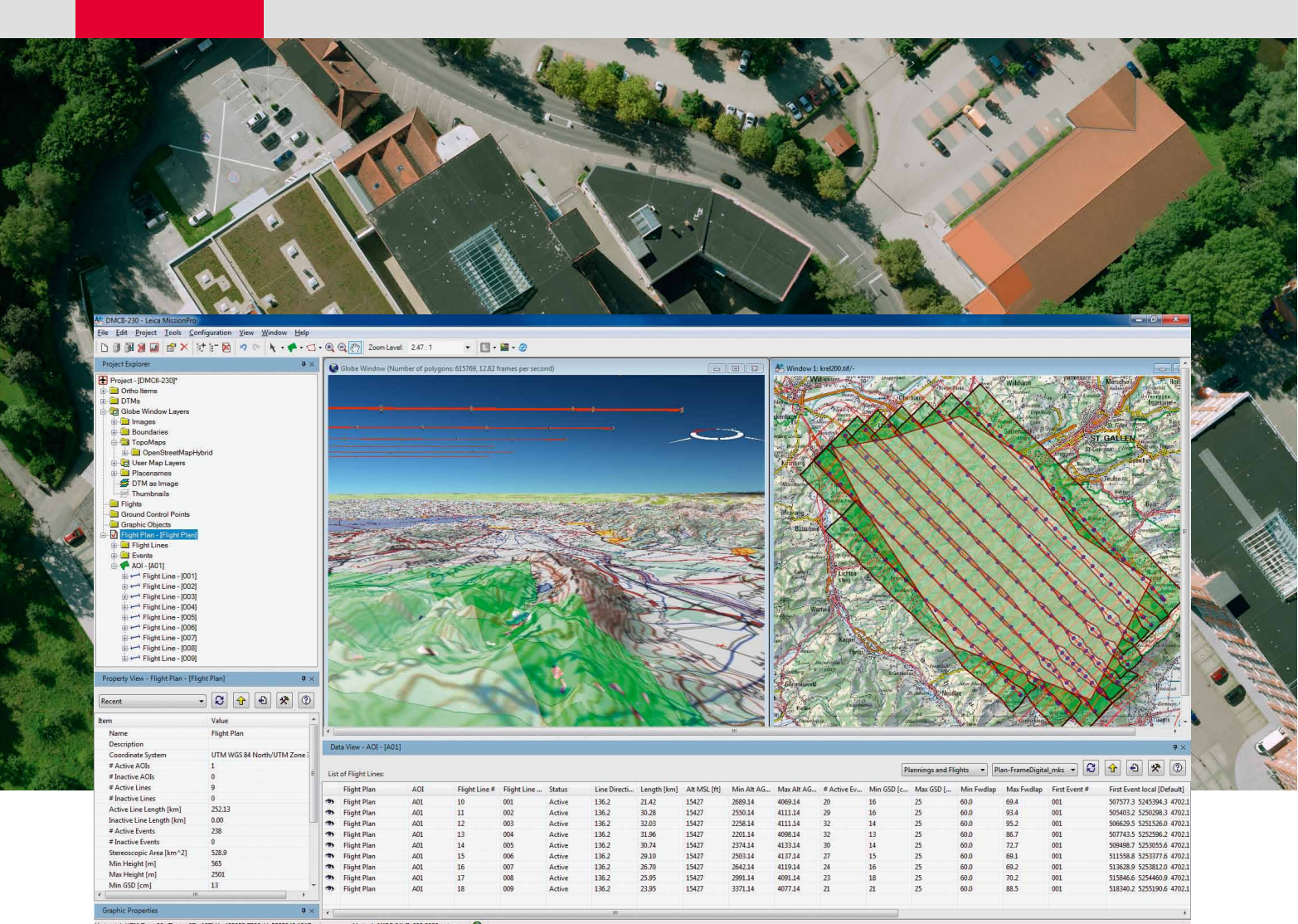
3D virtual globe view helps simplify planning over difficult terrain.

- Flying takes place in 3 dimensions and now flight planning is also available in 3D with the virtual Globe View
- Plan the flight in the unique Globe View, scaling from the whole globe down to a frame with a single scroll.
- Plan the flight lines as the pilot would experience it in the virtual globe view.

From Database to Project Management

Scalable database architecture allows more flexibility and integrity in the planning process.

- Leica MissionPro uses a SQL database for the planned and flown flight information ensuring data integrity.
- The flight database can scale from a single user to multiple offices scattered across the globe but is still fast, flexible and secure.
- Generate QC, project, cost, and progress reports with Leica MissionPro.



Example of flight plan with topographic map draped over DTM and detailed planning information

Leica MissionPro Advantages

1 + 1 = 3D is the ultimate formula for successful collaboration: when two get together, something new is created. Leica MissionPro expands on what is best in airborne mission planning from Z/I Mission and Leica FPES and takes mission planning to another dimension with the unique **3D virtual globe view**.

Leica MissionPro Benefits

- Enjoy immersive planning with the 3D virtual globe view
- Estimate the project cost during planning phase
- Enhanced features add new flexibility to your organization planning capabilities
- State of the art true 3D mission planning across the globe
- Use one tool to plan for all LIDAR, frame and line sensors
- Evaluate the flight results when you land
- Reduce training but increase productivity
- Offers a complete solution no matter the sensor or workflow

Leica MissionPro – setting the new standard for airborne flight planning but retaining compatibility with existing Z/I Imaging, Leica Geosystems and 3rd party sensors and workflows.

Leica MissionPro – Mission Planning in Another Dimension

Whether you want to capture airborne data of an agricultural area or of a city, record the challenges in a disaster area or the expanse of a high tension line, you need reliable measurements and solutions for your entire workflow to build image-based maps. Leica Geosystems' broad array of airborne sensors and integrated software solutions capture data efficiently, reference imagery accurately, measure easily, analyze and present spatial information in 3D.

Those who use Leica Geosystems products every day trust them for their precision, their seamless integration and their superior customer support. When data really counts, Leica Geosystems delivers geospatial imaging solutions with precision, integration and service.

When it has to be right.



Total Quality Management – our commitment to total customer satisfaction.

Laser class 4 in accordance with IEC 60825-1 resp. EN 60825-1

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Leica FCMS
Product brochure



Leica ADS80
Product brochure



Z/I Imaging DMC
Product brochure



Leica ALS70
Product brochure



Leica RCD30
Product flyer