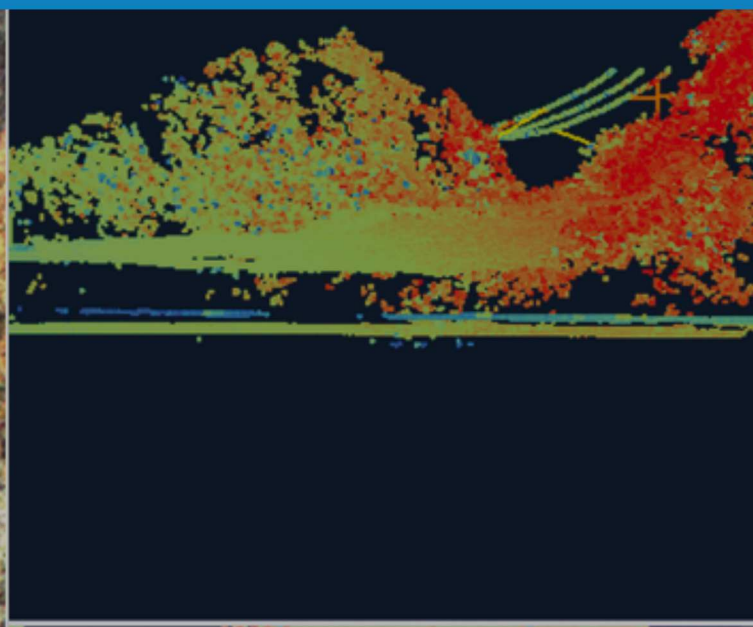
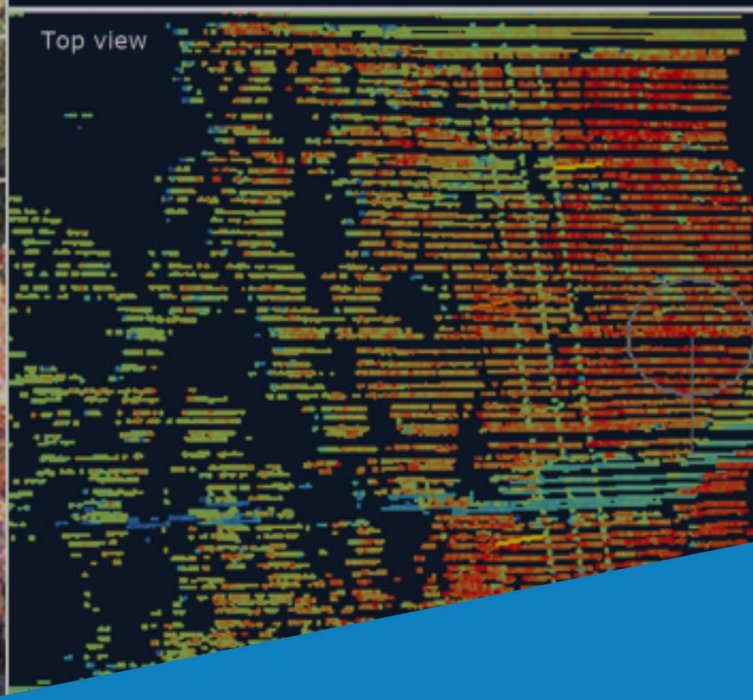
ALBATROZ
ENGENHARIA

PLMI

Power Line Maintenance Inspection





specialized team dedicated to data analysis

costumized reports according to costumer needs

optimized processes

customized software for mission equipment

customized software for inspection services

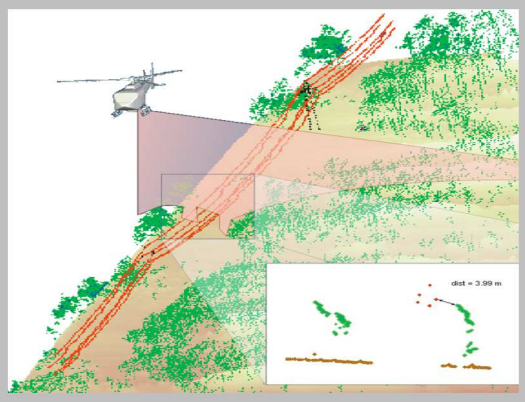
Albatroz Engenharia proposes an innovative solution for lines maintenance inspection (Power Line Maintenance Inspection, PL from helicopters that combines all types of inspection in a single pass. The results of all types of inspection are represented in a coordinated format allowing a broader understanding of the line condition and therefore the optimization of maintenance programs.

The PLMI system empowers line inspectors to perform multiple inspections in one single flight over the power lines combining automated and human assessments.

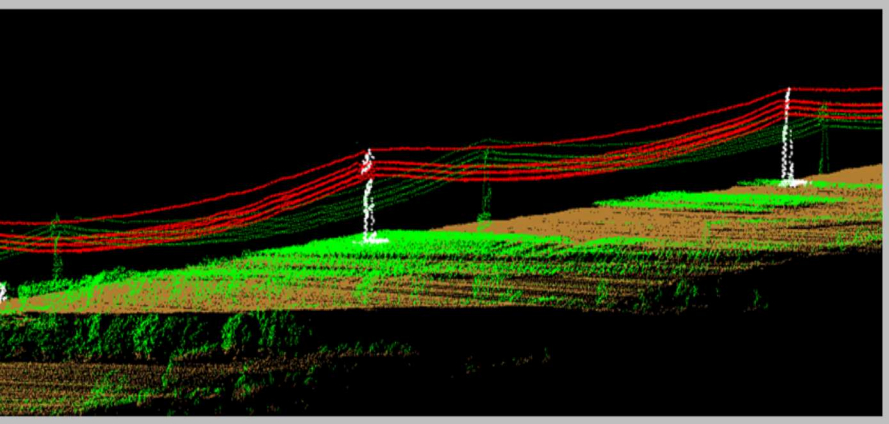
PLMI system includes both "on Fly" real time interface and data processing for airborne inspections and "on Land" software for detailed analysis after the inspection.

The integrated, real-time, cost-effective PLMI solution

-Improves continuity of supply through reduction of outages;
-Improves quality of wave through reduction of intermitent faults;
-Reduces natural hazards, mainly wildfires, due to routine vegetation maintenance;
-Saves penalties and minimises lost revenue;
-Optimises asset management through the allocation of maintenance resources to the lines with the highest risk reduction;
-Saves operation costs through the integration of multiple inspections.



Exploitation



- The critical points are located;

- Immediate action service;

- Calculation of the maximum load under real constrains;

- Integration of analysis conditions;

- Supports analyses cost/benefit and reliability;

- Possibility of temporal analysis.

Specifications

Detailed Inspection: Tower, lines and surrounding area;

Data Collection: Detection of anomalies in cables and towers of overhead power lines;

Data Processing: Merging data from several sensors;

Reports: Generation Reports
- HTML
- XLS
- KML