

**ALBATROZ
ENGENHARIA**

PLMI

Power Line Maintenance Inspection



**specialized team
dedicated to
data analysis**



**costumized reports
according to
costumer needs**



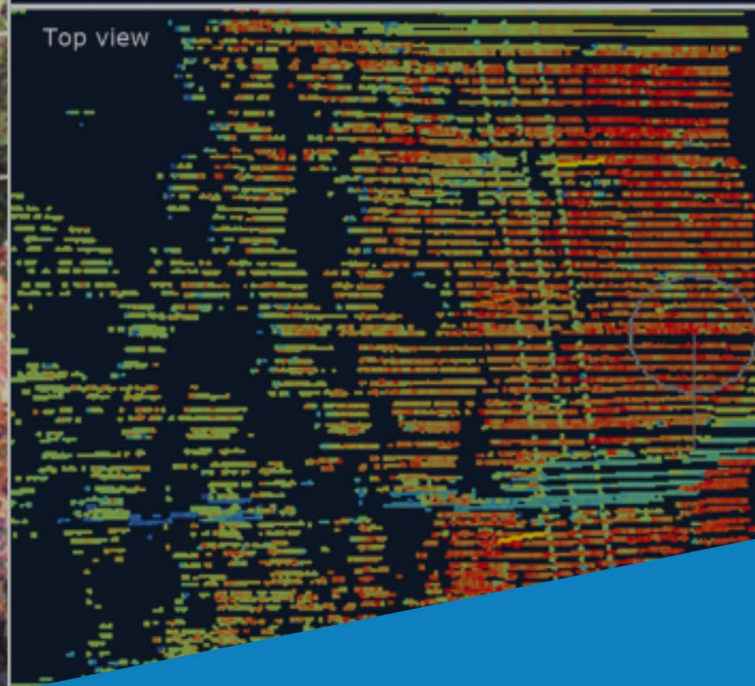
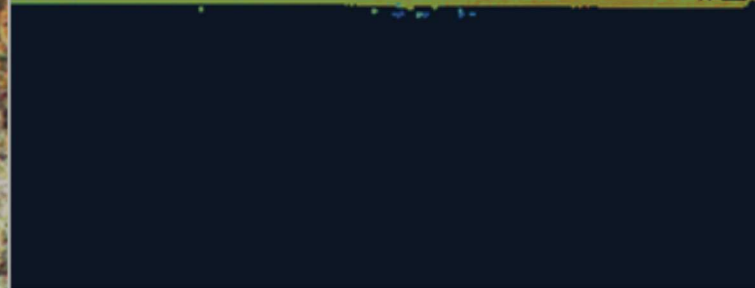
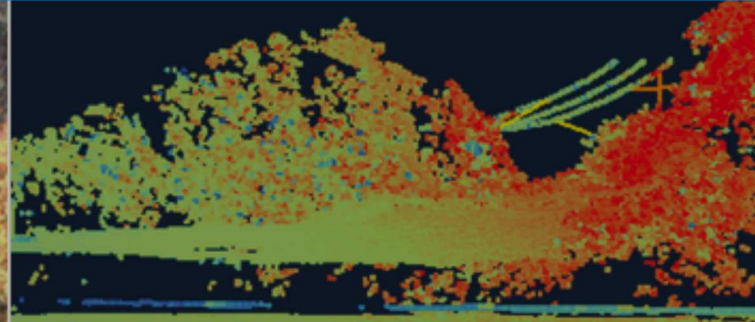
optimized processes



**customized software
for mission equipment**



**customized software
for inspection services**



Albatroz Engenharia proposes an innovative solution for lines maintenance inspection (Power Line Maintenance Inspection, PLMI) 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.

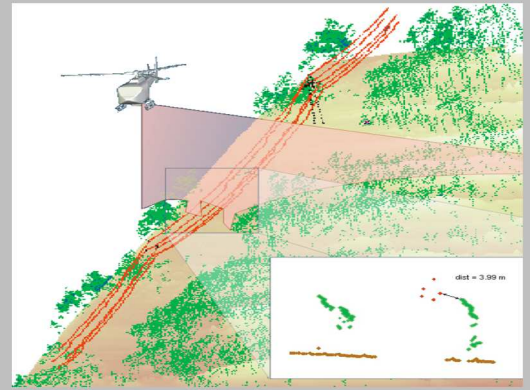
The PLMI system empowers line inspectors to perform multiple inspections in one single flight over the power lines combining automated and human assessments.

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.

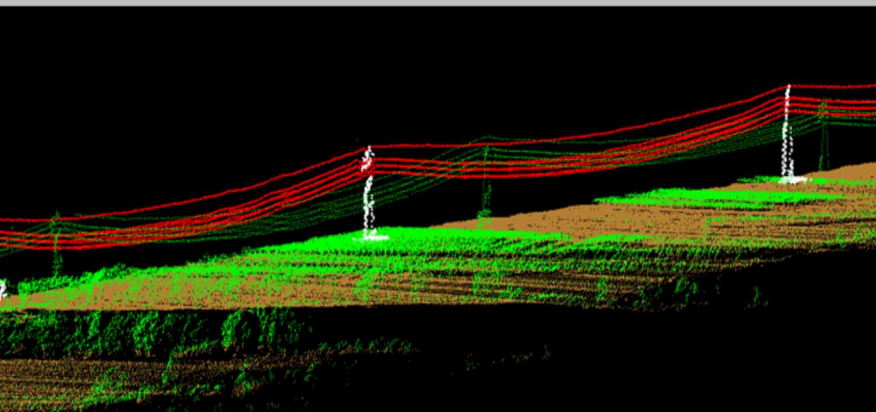


The integrated, real-time, cost-effective PLMI solution

- Improves continuity of supply through reduction of outages;
- Improves quality of wave through reduction of intermittent 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

Scan	Type	Level	E.	Value	L.	Time	C12	Scan	Type
7341	Vegetation	MS-C	4.02	3	2018.0...	...	...	1463	Fin de cond.
7348	Tower	MS-C	14	1	2018.0...	...	...	1504	Vegetation
7349	Vegetation	MS-C	4.11	2	2018.0...	...	...	1635	obstacle
7396	Vegetation	MS-C	2.93	18	2018.0...	...	...	2045	obstacle
7813	Tower	MS-C	15	1	2018.0...	...	...	2459	obstacle
7848	Vegetation	MS-C	4.54	2	2018.0...	...	...	2793	obstacle
7853	Fin de cond.	Fin co.	Fin co.	2	2018.0...	...	...	2897	obstacle
12550	Fin de cond.	Fin co.	Fin co.	...	2018.0...	...	...	3356	Vegetation
12550	Tower	MS-C	16	1	2018.0...	...	...	3664	Vegetation
12649	Vegetation	MS-C	4.22	7	2018.0...	...	...	5088	obstacle
12725	Vegetation	MS-C	3.20	8	2018.0...	...	...	5429	obstacle
13012	Tower	MS-C	17	1	2018.0...	...	...	5959	Vegetation
13028	Vegetation	MS-C	4.06	1	2018.0...	...	...	6025	obstacle
13021	Vegetation	MS-C	4.61	0	2018.0...	...	...	6037	obstacle
13028	Vegetation	MS-C	4.06	3	2018.0...	...	...	6170	obstacle
13049	Vegetation	MS-C	4.54	0	2018.0...	...	...	6555	obstacle
13070	Vegetation	MS-C	4.25	0	2018.0...	...	...	6877	obstacle
13118	Vegetation	MS-C	4.11	1	2018.0...	...	...	7126	obstacle
13149	Vegetation	MS-C	4.23	2	2018.0...	...	...	7843	obstacle
13264	Vegetation	MS-C	4.59	34	2018.0...	...	...	7890	Fin de cond.
13275	Vegetation	MS-C	4.69	2	2018.0...	...	...	7943	obstacle
13271	Vegetation	MS-C	4.92	0	2018.0...	...	...	7990	Fin de cond.
13403	Tower	MS-C	18	1	2018.0...	...	...	13009	obstacle
13403	Tower	MS-C	18	1	2018.0...	...	...	13021	Vegetation
13523	Vegetation	MS-C	4.93	1	2018.0...	...	...	13027	Vegetation
13713	Vegetation	MS-C	4.43	1	2018.0...	...	...	15055	Vegetation
13732	Vegetation	MS-C	3.79	33	2018.0...	...	...	15441	obstacle
13798	Vegetation	MS-C	4.46	14	2018.0...	...	...	15990	sol
13879	Vegetation	MS-C	3.83	2	2018.0...	...	...	16439	sol
13887	Tower	MS-C	19	1	2018.0...	...	...	16570	sol
13888	Vegetation	MS-C	2.86	2	2018.0...	...	...	16590	sol
13890	Vegetation	MS-C	4.47	0	2018.0...	...	...	16590	sol

