



**SKYRIDER**  
ENGINEERING

— CERTIFIED DRONE INSPECTION ACROSS EUROPE

**See the invisible.**  
**Decide with**  
**certainty.**

THERMOGRAPHY • LIDAR • PHOTOGRAMMETRY



# Expertise that exists nowhere else in Europe

**Flying a drone is one thing.  
Conducting an inspection is another.**

Skyrider Engineering is not just another drone operator. Every mission is built on a culture of absolute rigour inherited from civil aviation — where errors literally cannot exist.

The unique combination of MSA aircraft mechanic + BEA investigator + ITC thermographer + professional pilot since 2012 represents a profile no other operator can claim in Europe.

*"My experience at the BEA taught me to read what others cannot see. That is exactly what I bring to every Skyrider mission."*



**ITC — Thermography I/II**



**AUDIT — Critical infrastructures**



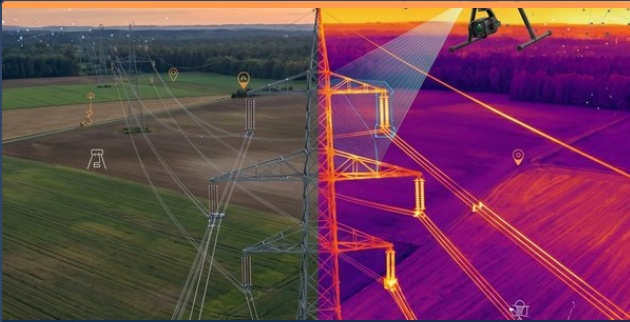
**H30T camera —20 → 1600°C**



**EU — EASA operational**

# 4 expertises. One standard.

Every mission is conducted following civil aviation protocols — rigour, precision and exhaustive documentation at every step.



## 01 / THERMOGRAPHY

### Infrared Thermography

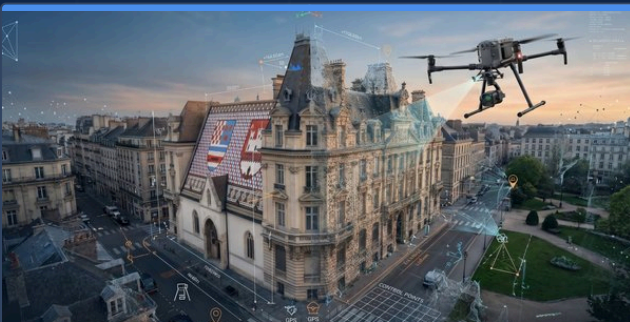
Detection of defects invisible to the naked eye — moisture, thermal bridges, insulation failures, delaminations, faulty PV cells. ITC Level I & II certified reports.



## 02 / INSPECTION

### Infrastructure Inspection

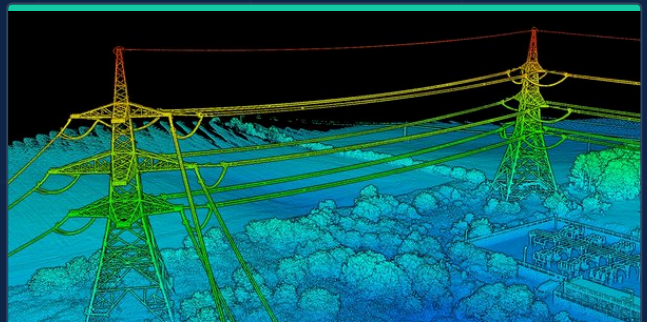
High-resolution visual audit of bridges, pylons, power lines and critical infrastructure. BEA-derived methodological approach.



## 03 / PHOTOGRAMMETRY

### 3D Photogrammetry

Photorealistic reconstruction and precise metric measurements from aerial imagery.  
Deliverables: orthophotos, DTM, actionable 3D models.



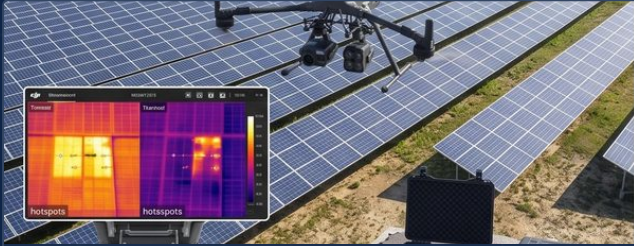
## 04 / LIDAR

### Airborne LiDAR

Dense point cloud acquisition for millimetric topographic surveys, forest mapping, detection of infrastructure under vegetation cover.

# We operate wherever precision matters.

From solar farms to civil engineering structures — Skyriders Engineering operates where safety is non-negotiable.



## Solar energy

Thermal inspection of photovoltaic panels, detection of failing cells.



## Civil engineering

Bridges, viaducts, tunnels — visual and thermal inspection with compliant reports.



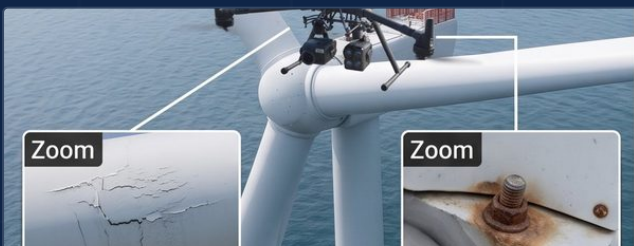
## Power grids

HV line monitoring, pylon and substation inspection.



## Industry

Inspection of tanks, chimneys, metal structures.



## Wind turbines

Inspection of blades, nacelles and masts. Detection of delaminations.



## Heritage

Photogrammetric survey of historic monuments and listed facades.

# From request to report

A rigorous 4-step process designed to deliver immediately actionable data.

1

## Needs analysis

Discussion of your project, scope definition, assessment of operational constraints and selection of suitable sensors.

2

## Mission preparation

Complete safety file, flight plan, DGAC coordination if needed, full briefing. Nothing is left to chance.

3

## Field acquisition

Inspection flight with calibrated sensors, compliant raw data acquisition, on-site double verification before return.

4

## Certified report

Data analysis and processing, standardised technical report, delivery within 96h maximum with actionable recommendations.

### OUR GUARANTEES

- ✓ Report delivery within 96h maximum
- ✓ Professional aeronautical inspection insurance
- ✓ Reports compliant with ITC standards
- ✓ Intervention throughout the European Union

# Aeronautical-grade equipment.

Skyrider Engineering operates with the most advanced professional equipment on the market — the same tools used by critical infrastructure operators across Europe.



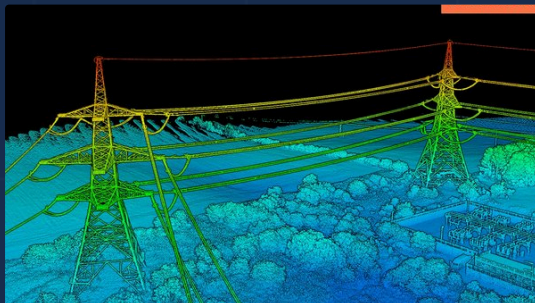
## DJI Matrice M400

All-terrain professional drone platform, stabilised, adapted to complex industrial inspections. Extended autonomy, configurable payload.



## H30T Thermal camera

Thermal sensor 1280×1024 pixels, measurement range -20°C to +1600°C. Absolute accuracy  $\pm 2^\circ\text{C}$ , coupled with 48 MP visible sensor for dual analysis.



## LiDAR Zenmuse L3

Dense point cloud acquisition — centimetric accuracy. Ideal for topographic surveys, corridor inspection (HV lines, pipelines) and forest mapping.

# A background that makes all the difference.

Each Skyrider Engineering team certification represents hundreds of hours of training, examinations and field experience.



## ITC Thermography

Infrared Training Center — World certification standard

LEVELS I & II



## DGAC Drone Pilot

Open & Specific categories — EASA regulation

SINCE 2012



## MSA Aircraft Mechanic

Certified aeronautical maintenance — Civil aviation

CERTIFIED



## BEA Investigator

Bureau of Enquiry and Analysis for civil aviation safety

EXPERIENCE



## GEIPAN Analyst

Study group on aerospace phenomena — CNES

CNES



— LET'S TALK ABOUT YOUR PROJECT

# Your infrastructure deserves the best inspection.

**Request a quote**

REPLY WITHIN 24 BUSINESS HOURS

WEBSITE

[skyrider-  
engineering.com](https://www.skyrider-engineering.com)

EMAIL

[contact@  
skyrider-  
engineering.com](mailto:contact@skyrider-engineering.com)

OPERATING AREA

**European Union**

*Certified drone expertise and thermography for critical infrastructure inspection.*

— THANK YOU FOR YOUR ATTENTION. —