

# ECUREUIL AS350B2 & AS350B3

A Flying Laboratory



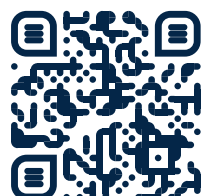
AS350 with 3 sensor positions; Operator workstation

## FEATURES

- EASA approved STC
- Up to 8 sensors
- Single operator work station
- Multiple inspection sensors
- Mission adaptable

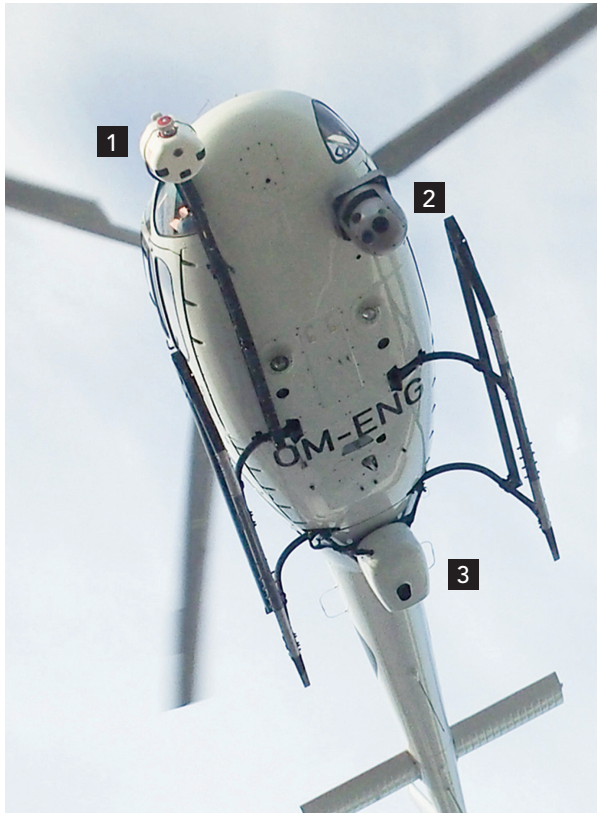
### Epitome of a multi-sensor application

We offer practical solutions based on precision engineering, solid innovation and operator flexibility. The complete solution is covered under a single EASA STC for the Ecureuil AS350B2 and AS350B3, with 8 different sensors, installed on 3 external support structures. The multi sensor combination is used for powerline and pipeline inspection and can be controlled by one single operator.



# ECUREUIL AS350B2 & AS350B3

Flying Laboratory



The Airborne LINX Mission suite includes:

- 1 RIEGL VUX-1UAV LASER Scanner**  
used for powerline, rail tracking and pipeline inspection consisting of a
  - Laser scanner (detection of sagging cables)
  - High resolution camera (vegetation and terrain analysis)
- 2 TRAKKA SWE-400 QUAD Camera**  
used for the inspection of the high voltage power lines, consisting of a
  - HD TV camera
  - HR Thermal Imager (remote temperature sensing)
  - Ultraviolet detection camera (making corona discharges visible)
  - Stills camera
- 3 HYSPEX Hyperspectral Camera**  
used for the classification and evaluation of vegetation, consisting of a
  - SWIR-384
  - VNIR-1800

3 Sensor positions

## MISSION SPECTRUM

Several types of inspections can be performed based on each individual sensor or on the combined use of multiple sensors, for instance:

- A Powerline Inspection**
  - Isolator failure
  - Corona discharge
  - Tree branch growth
  - Line sagging
- B Train track inspection**
  - Transverse track movement
  - Rail expansion
  - Suspicious hardware detection
- C Oil & Gas pipelines**
  - Leak detection
  - Sabotage verification
  - Soil movement detection
- D Forest fire/growth assessment**
- E Agricultural/Farming assessment**
- F Urban growth assessment**
- G Archeological surveys**

The STC permits installation of the sensors and monitors, in function of its' desired mission(s)

SENSOR	MISSIONS						
	A	B	C	D	E	F	G
SWE-400	✓	✓	✓	✓	✓	✓	✓
VUX-1	✓	✓	✓	✓	✓	✓	✓
HYSPEX	✓			✓	✓		✓

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These solutions can also be implemented on other airborne platforms!  
**We are available to discuss your specific requirements.**