



7,000+
aircraft flight data monitored

21+ MILLION
hours of data analyzed every year

Day after day, Safran Electronics & Defense supports airlines and other operators by collecting, processing and analyzing their flight data.

From data acquisition and transfer to big data management software and smart data analysis, we offer a wide range of proven and complementary services. Our custom-tailored solutions are designed to address each user's specific requirements.

Our aim is to improve the operational efficiency of aircraft by providing an array of services that allows operators to better understand the performance of their aircraft and systems within their specific operational context.

SOME OF OUR REFERENCES



Airplanes

- Airbus Commercial Aircraft
- Air France
- Air China
- All Nippon Airways
- Babcock International
- Dassault Aviation
- Emirates
- FedEx
- LATAM Airlines
- Michelin Air Services
- Privajet
- UPS



Helicopters

- Airbus Helicopters
- Babcock MCS Onshore
- Blue Hawaiian Helicopters
- DRF Luftrettung
- Hélicoptères de France
- Omni Taxi Aereo
- PHI inc
- ERA

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ELECTRONICS & DEFENSE



FLIGHT DATA MANAGEMENT

Get connected to enhance your operations



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1 WE COLLECT YOUR FLIGHT DATA

ACQUISITION AND TRANSFER OF FLIGHT DATA

by high-capacity flight data acquisition units.

RECEIVING FLIGHT DATA FROM ALL SYSTEMS



Airplanes

ACMS (Aircraft Condition & Monitoring System)

- High-capacity flight data acquisition unit.
- **During the flight:** real-time data transfer (ACMS reports) through ACARS network.
- **At ground level:** secure, automated and wireless flight data transfer to a ground station with the wireless extension for ACMS (WEFA).



Helicopters

Helicom V2+

- Automatic transmission capabilities: cellular, WIFI, bluetooth (post-flight) and iridium (real-time).
- Installation by STC* available on H125, H225, EC 155, Bell 206, etc.

CVFDR (Cockpit Voice & Flight Data Recorder)

- The cockpit voice & flight data recorder, acquired through Helicom V2+, offers the convenience of a small, lightweight unit, plus real cost savings.

* STC: Supplemental Type Certificate.



CUSTOMIZED DATA ACQUISITION

With customized algorithms, Cassiopée's solutions truly learn from you. Once the data has been acquired, transferred and analyzed, the acquisition unit can be reprogrammed to target your specific fleet requirements and create a virtuous circle of flight data.

2 WE PUT YOUR FLIGHT DATA TO WORK WITH CASSIOPEE

AUTOMATED FLIGHT DATA MANAGEMENT

based on software solutions.

ACCELERATED FLIGHT DATA DECODING to address the issues faced by large fleets

Cassiopée Node

DECODE, SORT AND RE-CONTEXTUALIZE FLIGHT DATA to support FOQA/MOQA** analyses



Airplanes

Cassiopée AGS



Helicopters

Cassiopée Heliweb

AUTOMATICALLY GENERATE HELICOPTER FLIGHT REPORTS

Cassiopée Digital Flight Report

Mobile application for automatic end-of-flight report management compatible with Helicom V2+.



** Flight Operations Quality Assurance (FOQA) & Maintenance Operational Quality Assurance (MOQA).

FLIGHT DATA ANALYSIS

by Safran's experts.

INCREASE FLIGHT SAFETY

Cassiopée FDM

Identification and display of unusual and/or non-compliant events.

Cassiopée Smart Data

User friendly data visualization tool, displays more than 500 measurements on all flights.

REDUCE FUEL CONSUMPTION

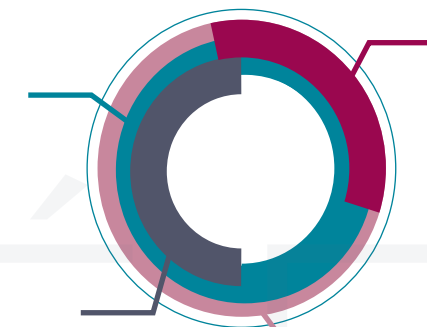
Cassiopée SFCO2

Tailored recommendations, based on personalized indicators and a comprehensive approach to the reduction of operating costs.

FLIGHT DATA RECORDER INTEGRITY

Cassiopée FDR Readout

Readout report to meet requests from regulatory authorities.



SAFRAN ELECTRONICS & DEFENSE IS ALSO INVESTING IN THE INTERNET OF THINGS TO DEVELOP NEW SERVICES AND IMPROVE AVIATION OPERATIONS BY OVERCOMING THE TECHNICAL LIMITS OF HARDWARE AND SOFTWARE.