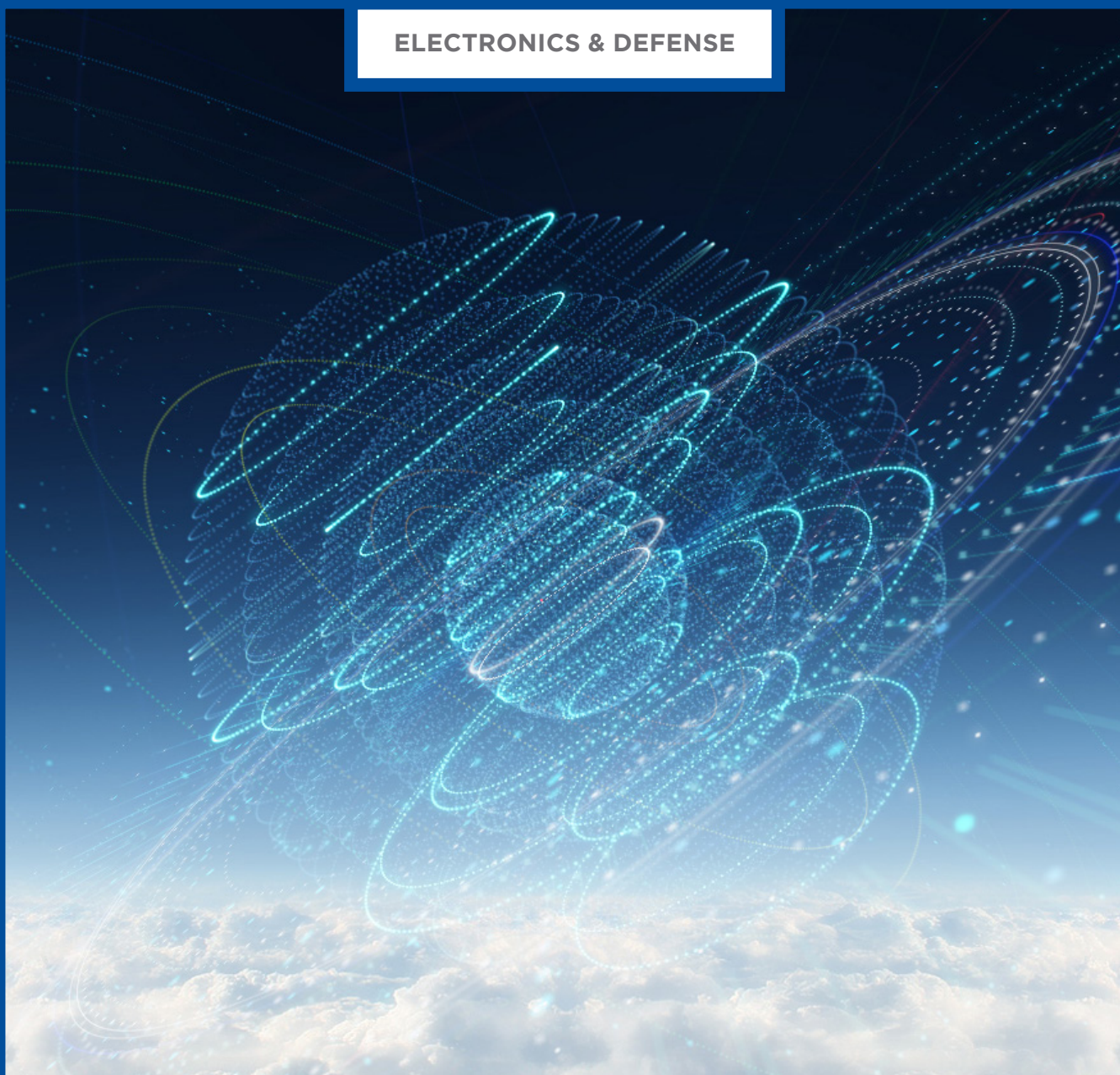


ELECTRONICS & DEFENSE



# CASSIOPÉE NODE

AUTOMATICALLY PROCESS  
LARGE VOLUMES OF FLIGHT DATA

- Fight data decoding, analyzing, cleansing and sorting solution
- Customizable parallel computation for enhanced decoding performance
- Output data ready to be used in engineering and open formats

 CASSIOPÉE

 **SAFRAN**

# CASSIOPÉE NODE

## A solution to automatically process large volumes of flight data

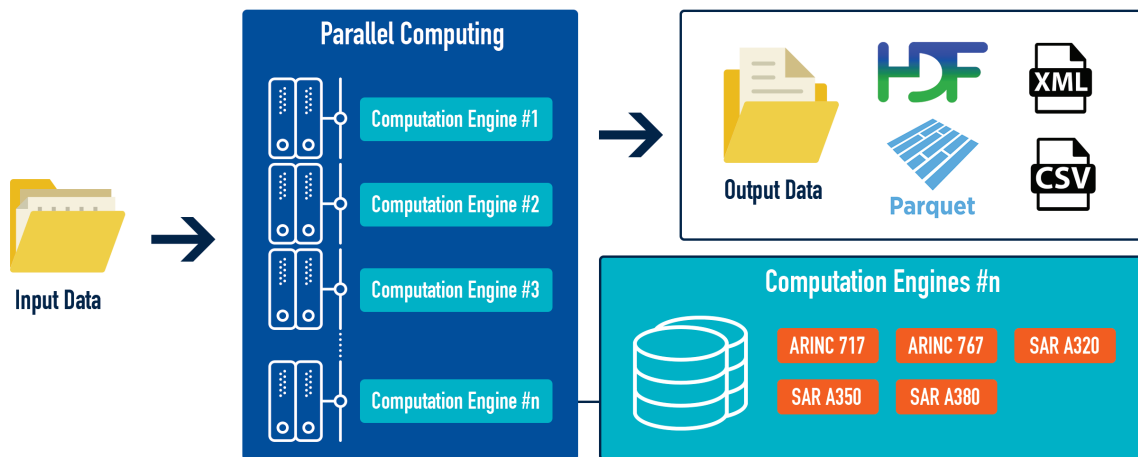
CASSIOPÉE NODE enables the automatic process of large flight data volumes by decoding, analyzing, cleansing and sorting flight data faster than any other tool. Adaptability and flexibility are key elements: CASSIOPÉE NODE easily fits within wider data analysis systems. Depending on how much capacity is needed, the solution is adaptable to the size of your fleet. CASSIOPÉE NODE is the solution you need for an affordable big data system!

### INPUT DATA

Your data is easily retrieved and then decoded through an automatic process.

### OUTPUT DATA

Output files are available in XML (metadata), HDF5 (engineering units), Parquet and CSV formats. The HDF5 format is compatible with most data science frameworks & tools and programming languages.



### PARALLEL COMPUTING

With parallel computing, decoding tasks can be fastened by taking advantage of both computer and server capabilities. Several computation engines can be launched in parallel enabling decoding and analysis of flight data for hundreds of aircraft. Our solution is truly adaptable to your needs.

### COMPUTATION ENGINE

CASSIOPÉE NODE features several comprehensive decoding tools, allowing to work with the following formats: ARINC 717, ARINC 767, SAR A320, SAR A350 & SAR A380.

### MAIN FEATURES

- CASSIOPÉE NODE can be integrated to a wider data analysis system, as a neutral program.
- Depending on the size of your fleet, CASSIOPÉE NODE's capacity is adjustable, on a temporary or permanent basis.
- CASSIOPÉE NODE automatically export engineering values to industry standard format understandable by data-science tools and programming languages.
- All the data is then ready for Flight Data Monitoring and Predictive Maintenance analysis.
- CASSIOPÉE NODE is easily monitored via an easy to use interface and API.

*PUT YOUR FLIGHT DATA TO WORK!*

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