



**FLYON AERO**

AVIATION TRAINING CENTER

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By OXYGEN LABS Srl Unipersonale

# SYLLABUS

## Avionics Integration

(FLY Course code: 023-C)

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**Avionics Integration**

Days Theoretical	3
Days Pratical & Exercises	3

**Course Overview**

This Course provides a comprehensive overview to the process, methods, techniques and tools for the Avionic Systems integration. Main topics include:

- A preliminary overview of the Avionic System Development Cycle
- A general description of the typical avionics architectures
- A detailed analysis of the avionic system integration process, including the integration approach and the activities to be performed during the entire system integration cycle, from the initial bench testing to the operational validation, including the integration on the aircraft and the ground and flight testing
- A detailed description of the methods and tools that are currently used for the avionics integration. This also includes modern modeling and simulation techniques
- Quality and safety aspects.