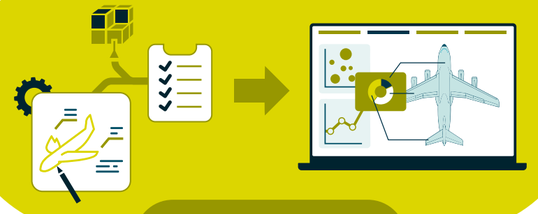
1

INDUSTRIAL NEEDS IN DIGITAL SIMULATION



Challenging and clean aviation applications

2

SPECIFICATION FOR ADVANCED CFD



Hybrid tools & AI/ML

Training & underlying test cases

3

HIFI DATABASE PRODUCTION



Available CFD and experimental data

Production of new numerical & experimental data

4

NEW CFD TECHNOLOGY



Innovative AI-based algorithms, physical models and hybrid processes

3

PROOF OF CONCEPT OF NEW CFD



Advanced V&V on selected test cases

Demonstration of robust simulation