



SuCoHS

SUSTAINABLE & COST EFFICIENT
HIGH-PERFORMANCE COMPOSITE STRUCTURES
DEMANDING TEMPERATURE
AND FIRE RESISTANCE

SuCoHS Project at a glance

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SuCoHS project, Grant Agreement N° 769118

SuCoHS – Sustainable and cost efficient high-performance composite structures demanding temperature and fire resistance

- ④ Several aeronautical applications demanding high temperature and fire conditions
- ④ Maintain industrial leadership through **expanded use of composites** for:

④ Reduced weight



④ Improved performance



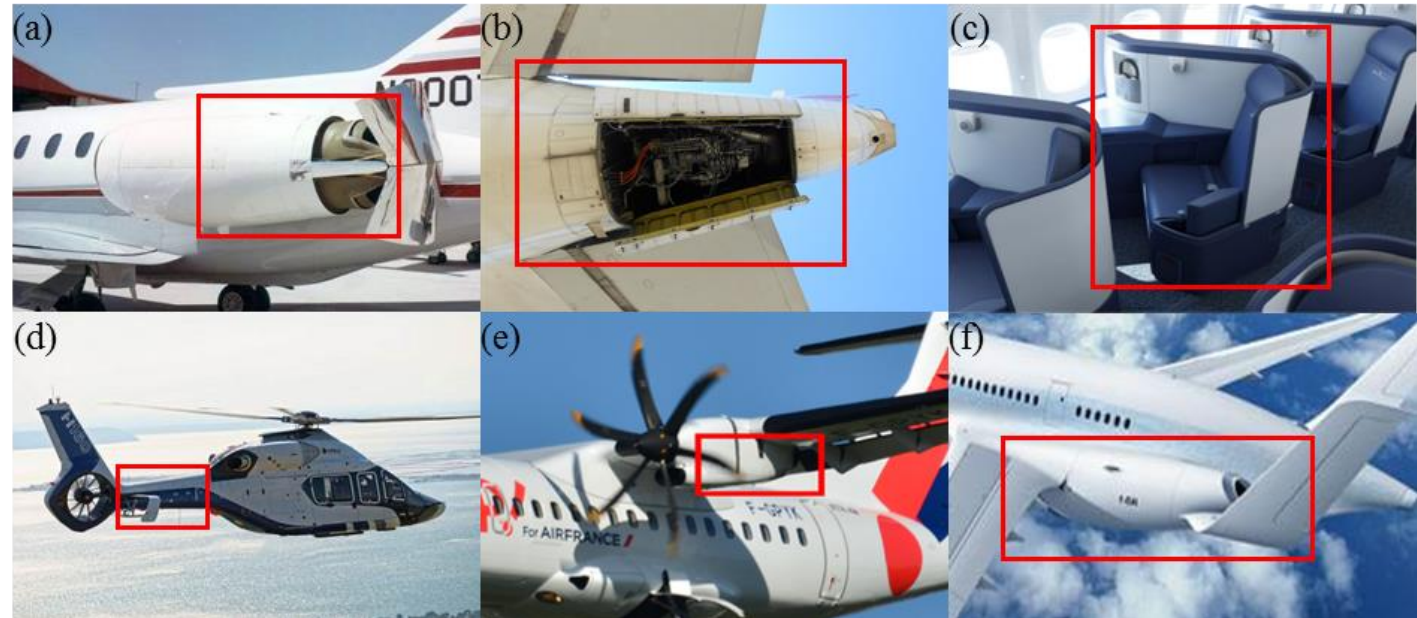
④ Increased efficiency



④ Reduced costs



④ Improved sustainability



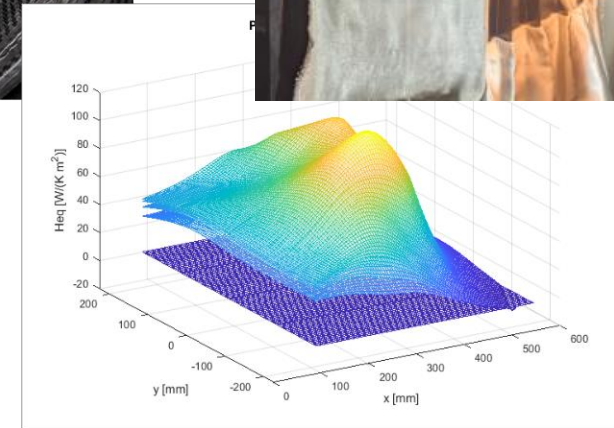
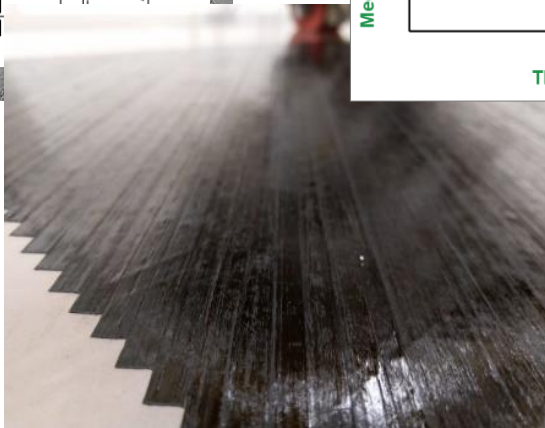
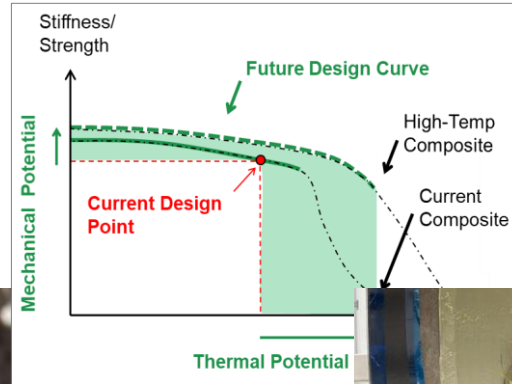
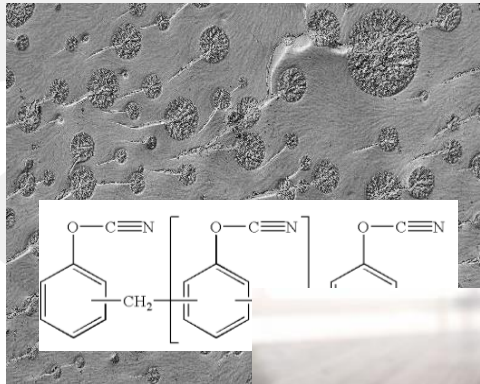
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SuCoHS – Sustainable and cost efficient high-performance composite structures demanding temperature and fire resistance

Technologies developed within SuCoHS

- ① New Composite Materials
- ① Enhanced Analysis Methods
- ① New Design Concepts
- ① Enhanced Manufacturing Technologies
- ① Reliable Sensor Systems
- ① Test strategy from coupon to structural level



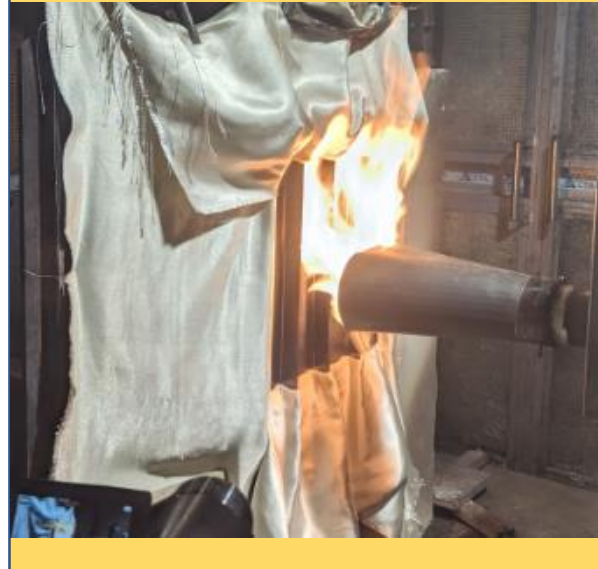
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- ④ Final completion of three Industrial Pilot Demonstrations (Design – Manufacturing – Testing)

Nacelle Component
Spirit AeroSystems



Tail Cone Panel
Aernnova Engineering



Interior Shell
Collins Aerospace





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DLR

AERnova



Collins Aerospace



ONERA

THE FRENCH AEROSPACE LAB



AEROSYSTEMS



synthesites



TFC

BIOMASS BASED CHEMICALS



PHOTONFIRST

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TUHH

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