

PROJECT

Advanced Aerostructures Research Centre

Výzkumné centrum pokročilých leteckých konstrukcí

Funding: National (Czech Republic)

Duration: Jan 2015 - Dec 2019

Status: Complete



Objectives:

The Advanced Aerostructures Research Centre is a consortium of aircraft manufacturers with research entities. The Centre will develop a new generation of aircraft structures demonstrated on a composite structure and integral wing of a commuter aircraft. The design of composite structure will have Smart structure characteristics with an embedded Structural Health Monitoring System and Damage Tolerance philosophy. The output will reach the level of functional samples.

Parent Programmes:

[COMPETENCE CENTRES - COMPETENCE CENTRES PROGRAMME](#)

Institute type: Research agency

Institute name: The Technology Agency of the Czech Republic

Funding type: Public (national/regional/local)

Partners:

Výzkumný a zkušební letecký ústav, a.s.

AERO Vodochody AEROSPACE a.s.

Aircraft Industries, a.s.

Honeywell International s.r.o.

5M s.r.o.

České vysoké učení technické v Praze / Fakulta strojn

Vysoké učení technické v Brně / Fakulta strojn

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STRIA Roadmaps: Vehicle design and manufacturing

Transport mode: Air transport

Transport sectors: Passenger transport, Freight transport

Geo-spatial type: Infrastructure Node