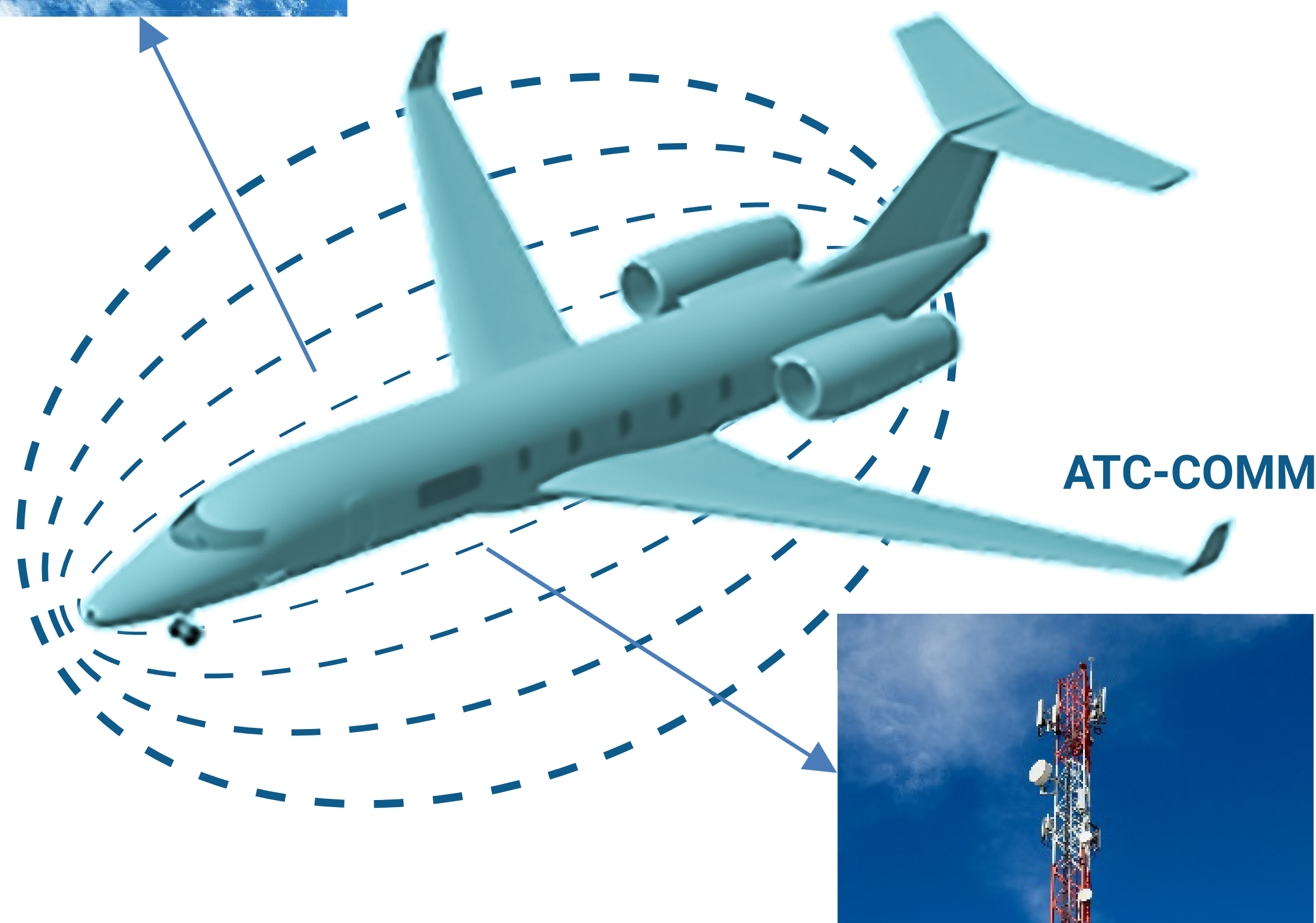


Advanced Concepts for Aero-Structures with Integrated Antennas and Sensors

WP 5 - smart FML FUSELAGE Panel

Development of an FML panel with integrated VHF and GNSS antenna

SATNAV

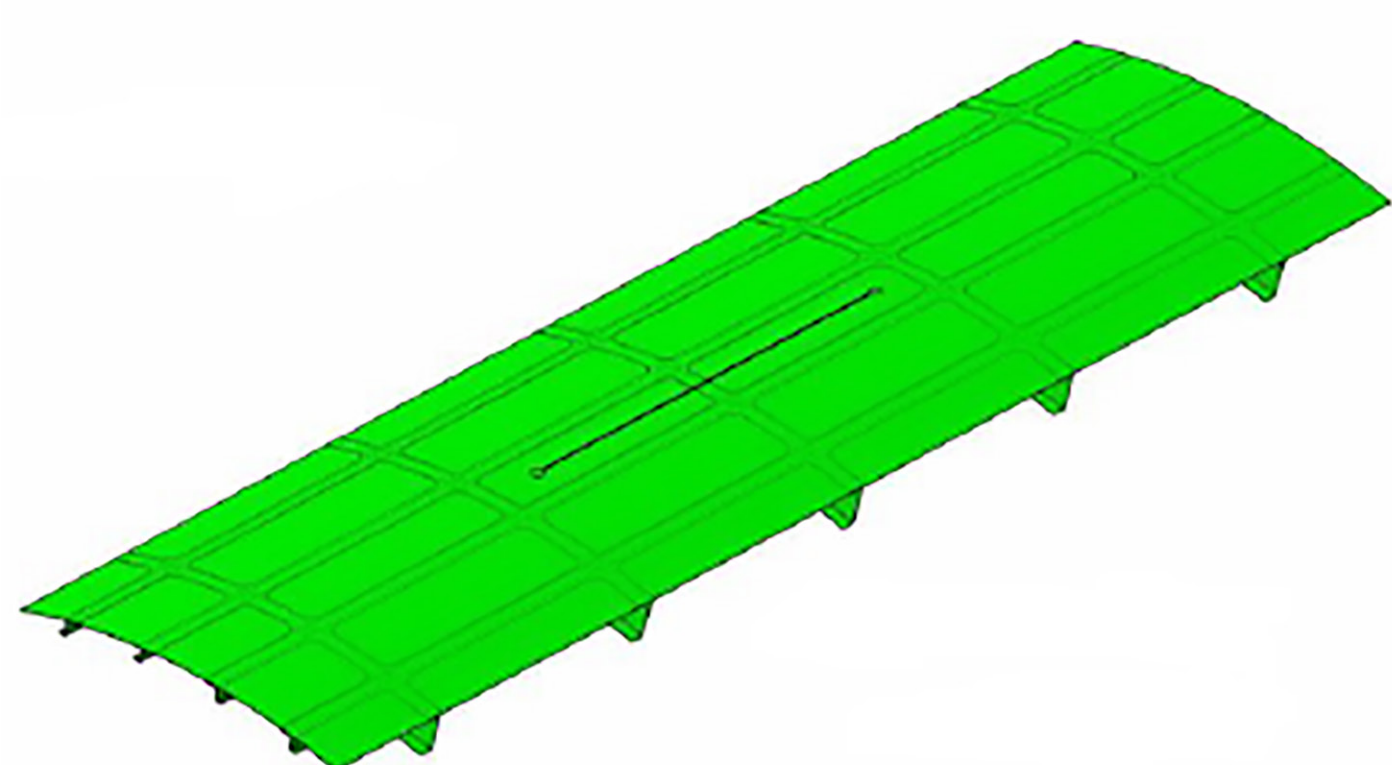


ATC-COMM

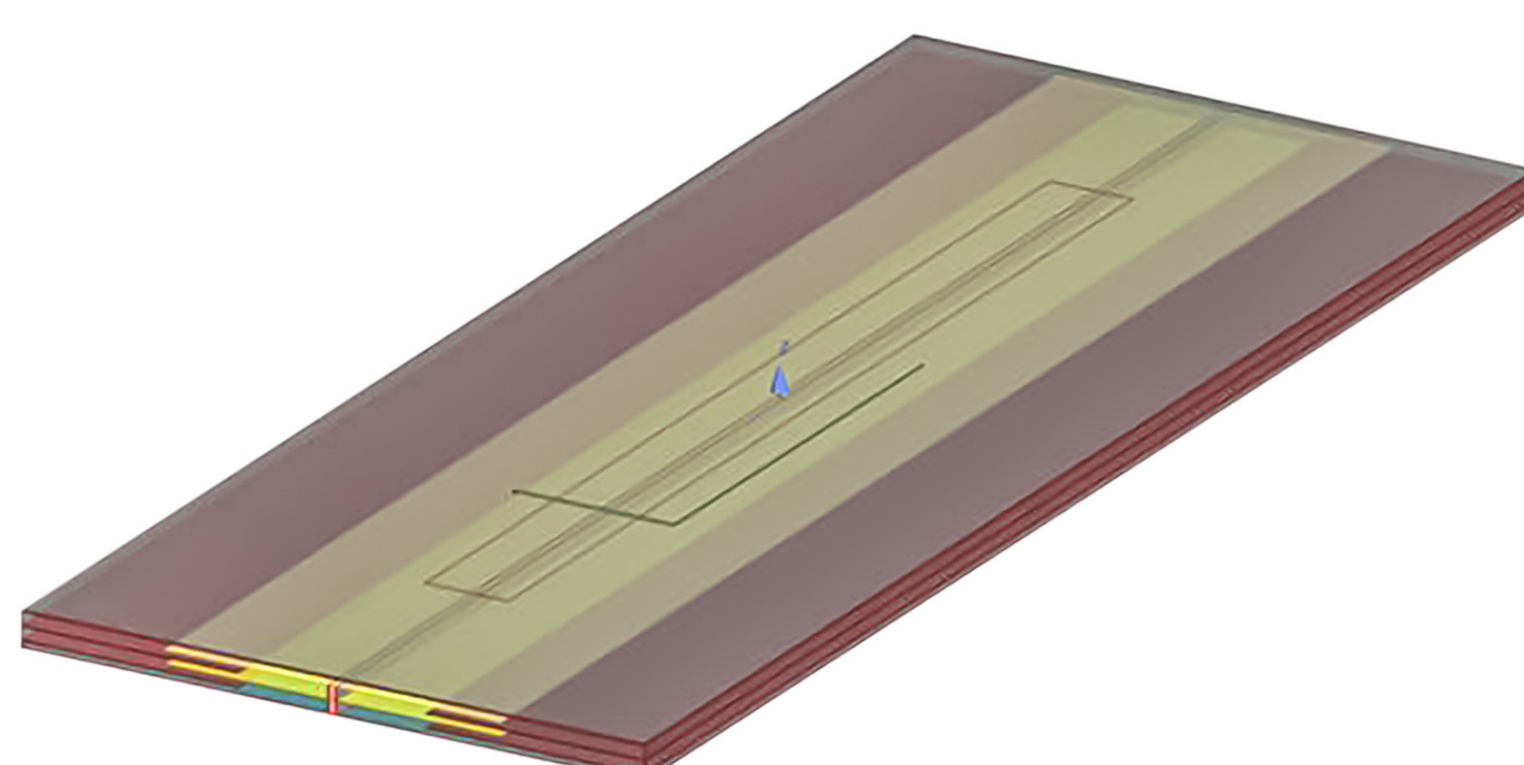
RESEARCH TOPICS:

- Structural design and development of integrated conformal antennas in FML structure
- Development of conformal antennas for pressurized fuselage applications in transport category aircraft
- Electrical interconnection - integration and installation
- Lightning protection of antennas

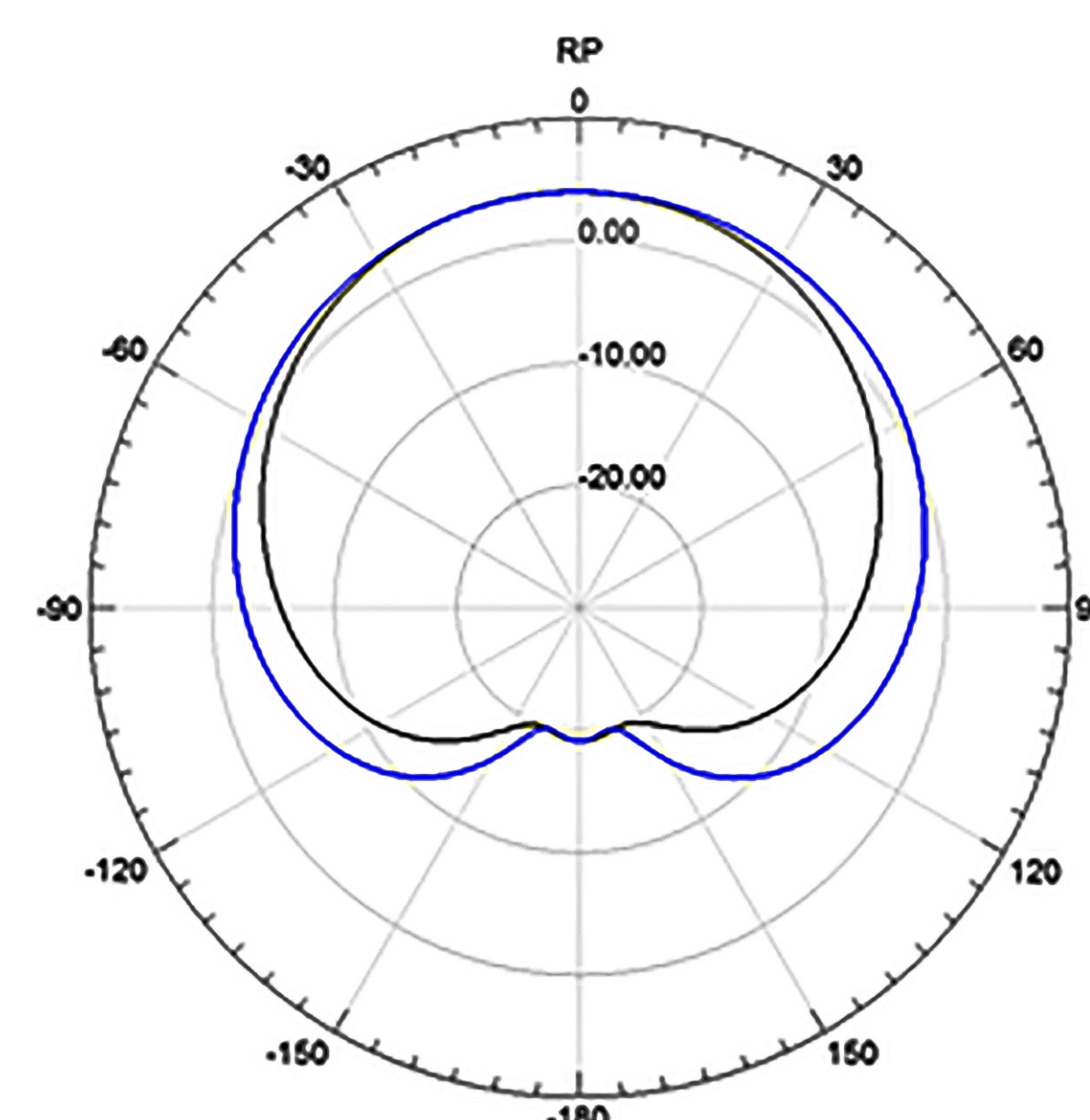
The radiating fuselage



FML adaptation to RF functions



RF reflector depth reduction



RF analysis

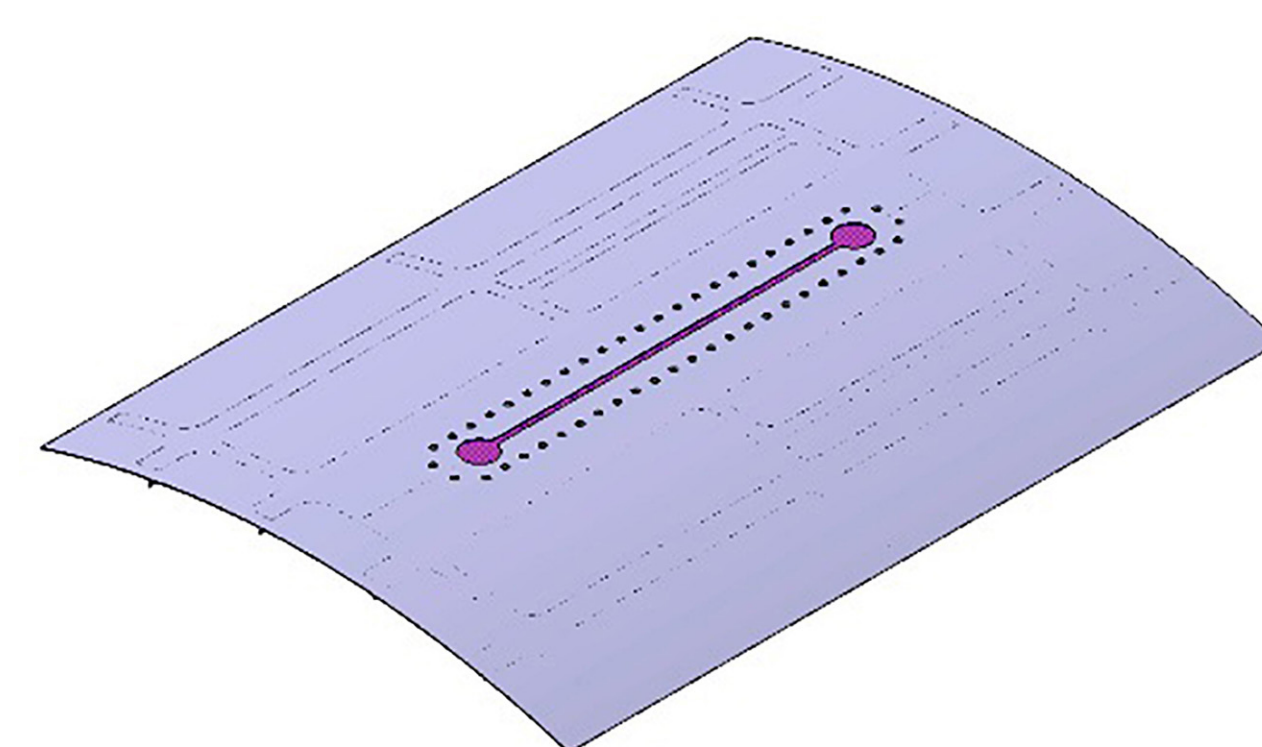
ACASIAS CONCEPT FOR airborne VHF communications



PAST



Present



ACASIAS

Partners

UNITED KINGDOM
TRACKWISE
CONNECTING TECHNOLOGY

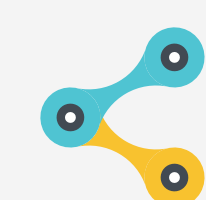
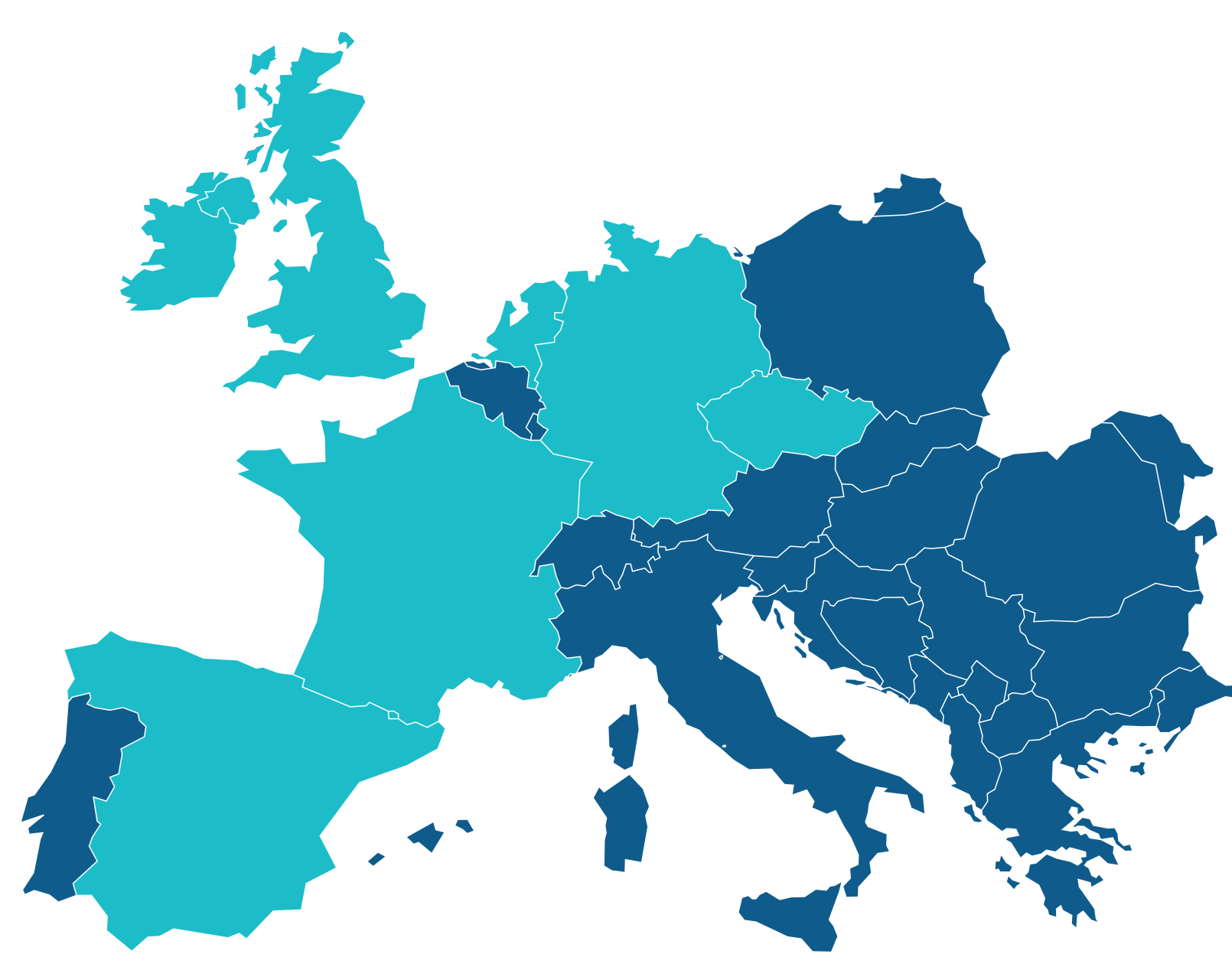
GERMANY
IMST DLR INVENT

CZECH REPUBLIC
evector VZLU

THE NETHERLANDS
nir Fokker

FRANCE
Lup

SPAIN
CIMNE



Information



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