

SUSTAINABLE AVIATION

Testing, validation and early deployment of next-generation aviation technologies



International aviation hub

Riga International Airport is the largest and busiest airport in the Baltics



60+ years of aeronautics expertise

Latvia's aeronautics and aviation-related research and engineering activities date back to the 1960s



Electric flight deployment

airBaltic targets the introduction of electric aircraft operations by 2030



EU-level testbeds & pilots

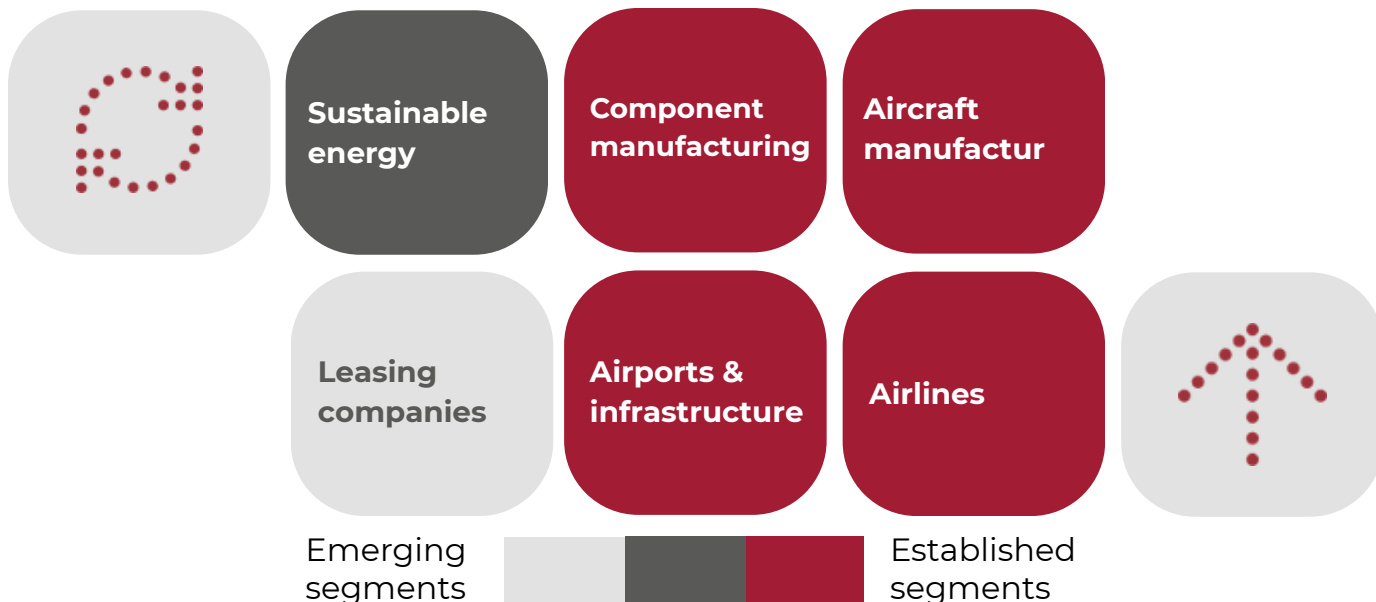
Latvia participates in EU-funded aviation programmes (e.g. SESAR, Interreg) supporting testing of electric, autonomous and hydrogen-ready aviation concepts



Pilot training & testing

The airBaltic Pilot Academy serves as a controlled environment for pilot training and evaluation of new aircraft types, including future electric aircraft platforms

Sustainable aviation value chain



Leading companies

RIX

CIS

REDWIRE

airBaltic

PilotAcademy
→ airBalticTraining

BIOJET

NORS&F

ORIGIN

AM Craft

EVIA AERO

ATLAS

From real-world aviation operations to next-generation autonomous solutions

airBaltic

airBaltic

Regional airline operating a modern, fuel-efficient fleet and serving as a real-world platform for aviation operations, training and technology validation.

AM Craft

AM Craft

Independent aircraft maintenance and component services provider supporting commercial aviation operations across Europe.



Redwire

Developer of unmanned aircraft systems and autonomous aviation solutions with applications in defence, security and industrial operations.



Origin Robotics

Developer of autonomous and robotic systems applicable to aerial platforms and next-generation aviation support technologies.

Relevant Education Institutions



Applied R&D capabilities supporting electrification, autonomous systems and energy integration in next-generation aviation

Transport and Telecommunication Institute

Research on advanced air-traffic management, navigation and aviation systems.

University of Latvia & Riga Technical University

Research on aerospace materials, electrification components, autonomous flight systems and UAV technologies.

Aeronautics competence since the 1960s

Latvia's long-standing aeronautics expertise provides a solid foundation for applied R&D in next-generation, electrified and hybrid aircraft technologies.

Cross-sector collaboration enabling electrification

Collaboration between research institutions, industry and energy providers supports the development and testing of electric and hybrid aviation concepts, including propulsion, power systems and integration.