

# 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

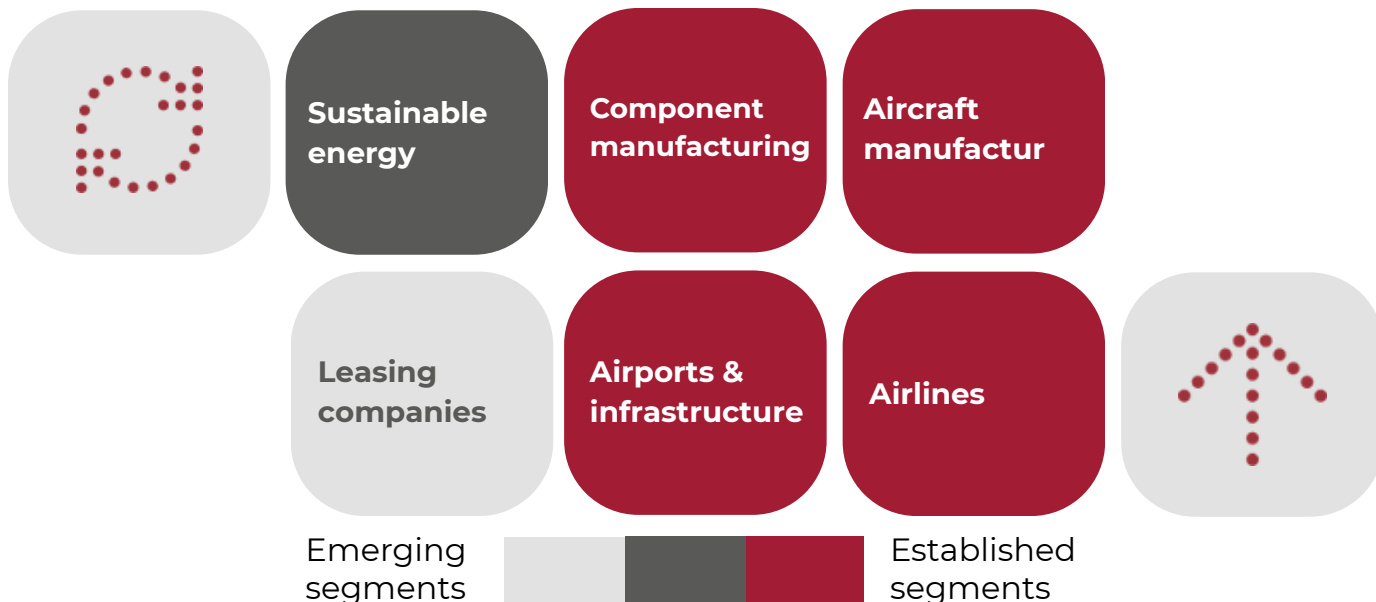
Latvia participates in EU-funded aviation programmes (e.g. SESAR, Interreg, BSR Hydrogen Air Transport) supporting testing of electric, autonomous and hydrogen aviation concepts



## 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

NORS&F

airBaltic

PilotAcademy  
→ airBalticTraining

BIOJET

REDWIRE

ORIGIN AM Craft

EVIA AERO

PURPLEGREEN

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.



#### NORSAF

NORSAF will produce Sustainable Aviation Fuel (SAF), sustainable diesel, and sustainable gasoline with an annual capacity of 100,000 mt, located in the Liepaja Special Economic Zone (LSEZ)

## 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.