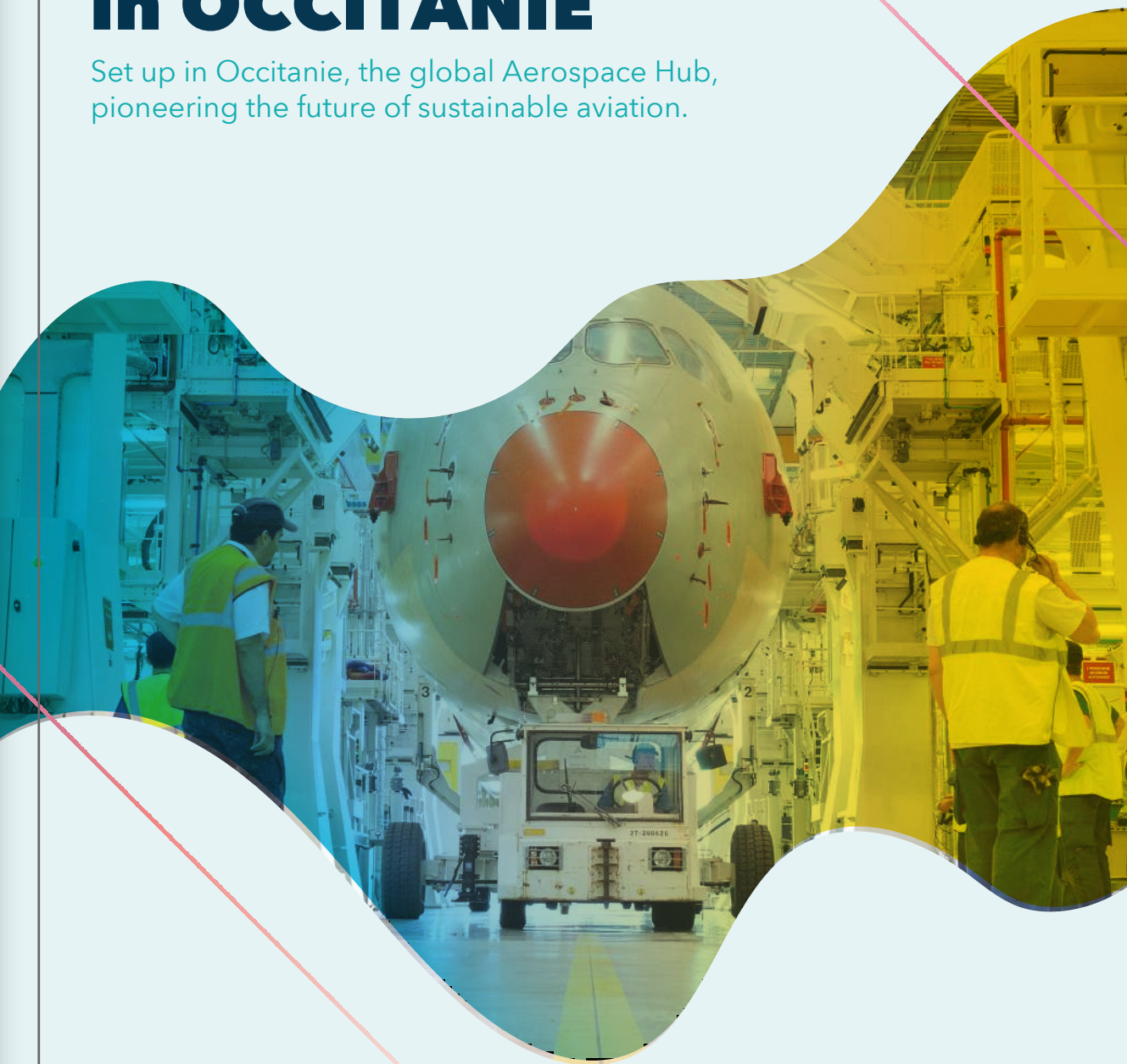


# AERONAUTICS **in OCCITANIE**

Set up in Occitanie, the global Aerospace Hub,  
pioneering the future of sustainable aviation.



# Occitanie, designing and making sustainable aircraft and infrastructure



The Occitanie region is committed to green aircraft

**TECHNOCAMPUS H2 OCCITANIE:** the largest research centre dedicated to hydrogen technologies in Europe (10,000 m<sup>2</sup> of testing facilities) - Grouping of the hydrogen activities of 4 regional laboratories (Laplace, Cirimat, LGC and IMFT) combined with testing facilities at your disposal.

## Sustainable Aviation Fuel (SAF)

The Occitanie Region and the French State, alongside the aeronautical industry (Airbus, ATR, Toulouse-Blagnac Airport) are committed to accelerating the deployment of SAF. The airports in Occitanie will integrate double the European objectives for SAF.



## From airport infrastructure to sustainable aircraft, Occitanie is at the forefront for hydrogen applications

**Hyport** is the first operational infrastructure in Europe for the production and distribution of renewable hydrogen in airports (at Toulouse and Tarbes international airports).

**Decarbonised aviation is being developed in Occitanie: electric, hybrid and hydrogen aircraft. The leading manufacturers (Airbus, Daher, ATR)** are presenting projects such as Airbus ZEROe, ATR EVO, the Ecopulse™ (a Daher-Safran-Airbus project).



The Occitanie region attracts many companies looking to develop projects in general aviation, drones, hydrogen propulsion, etc.



- Ascendance FlightTechnologies
- Aura Aero
- Beyond Aerospace
- Blue Spirit Aero
- Delair HyDrone
- H3 Dynamics
- Universal Hydrogen

# State-of-the art technologies for manufacturing aircraft of the future

## Occitanie is a powerhouse for cybersecurity thanks to its Security Operations Centers (SOC)



CyberOcc and regional companies (Thales Orange Cyberdefense, Scassi, SC, Serma Safety Security, i-Trust, Tixeo, Airbus Protect...) offer a wide range of services and turnkey solutions.

## Produce better: factory of the future, digital transformation

The Occitanie Region is encouraging industries to digitalise and decarbonise their production. **Pad'Occ**, platform of acceleration, assists SME's of the mechanical sectors towards their industrial, economic and human transformation through the technologies of the industry 4.0.

## Safety and security, decision support

AI is providing more qualified information in real time. With players such as ANITI, IRIT, LIRMM, IMT, IRT, EKITIA... the Occitanie region is at the forefront of the development of responsible, certifiable, embeddable, demonstrable artificial intelligences.

## Power electronics:

The entire sector is present with industrial component manufacturers (ST MicroElectronics, NXP), OEMs (SAFRAN POWER, Vitesco, Liebherr, Plastic Omnium), design offices and EMS (SERMA Ingénierie, Microtec, APS, Sphera...), state-of-the-art skills centres, research establishments, experimental platforms (PRIMES) and experts in SiC and GaN components. The Occitanie offer of support and services enables significant energy efficiency, size and weight savings for aircraft of the future.



*Thanks to its expertise in aerospace technologies and embedded systems, Occitanie is a tech leader in smart transportation.*





# Occitanie, the global Aerospace hub

A unique place in the world to design and build a new generation of aircraft

Benefit from 100 years of continuous innovation

## Unique worldwide:

- skills: from design to manufacturing, assembling (FAL), MRO, dismantling... Manufacturers, OEMs, service providers, engineering companies, large groups or start-ups...
- expertise, from the smallest unmanned aircraft to the largest commercial aircraft and UAM

Cutting-edge mobility solutions emerging with the powerful combination of aerospace technology and a vast tech sector



**Aerospace Valley**, the leading European competitiveness cluster for aeronautics, space and drones (HQ in Toulouse)

## World leader in civil aeronautics



**900 companies**  
and **80,000 jobs**  
in aerospace\*

**30%** of French  
aerospace jobs



**9,000 researchers**  
and **19,000 students** in  
the aerospace sector

**45%** of French research  
staff in aerospace



**€15bn sales**  
in aeronautics\*  
(excl. manufacturers)



**100 foreign**  
aeronautical companies





# From the birthplace of aeronautics to sustainable aviation, an unrivalled history of innovation

Prestigious names are associated with the region's aeronautical history: Pierre-Georges Latécoère, Louis Bréguet, Clément Ader, Antoine de Saint-Exupéry and Jean Mermoz...

## 3 manufacturers: Airbus, ATR and Daher

- **Airbus**, pioneers sustainable aerospace for a safe and united world. Its HQ and final assembly lines for the full range of Airbus commercial aircraft are located in Toulouse, Occitanie.
- **ATR**, worldwide leader in regional aviation with a new generation of turboprops of up to 78 seats. Its HQ and final assembly lines are located in Toulouse, Occitanie.
- **Daher**, leading aircraft manufacturer (single-engine turboprop), aerostructure manufacturer, manufacturing services provider and logistician for the aerospace industry. It has a major manufacturing site in Occitanie.



## Over 900 companies

design, manufacture, certify, assemble, maintain, recycle parts and aircraft for manufacturers, OEMs or airlines all over the world.

## The 25 largest aeronautical companies\* in Occitanie

Airbus, Airbus Atlantic, Air France Industries, Akka Technologies, Alten, ATR, Aubert & Duval, CGI, Daher Aerospace, Cap Gemini, Collins Aerospace, Expleo Group, Latécoère, Liebherr Aerospace, Lisi Aerospace, Mecachrome, Hensoldt Nexeya France, Nexteam Group, Sabena technics, Safran Group, Satys, Sogecclair Aerospace, Sopra Steria Group, Tarmac Aerospace, Thales Group...

\*workforce

Consult the  
1<sup>st</sup> online directory  
of Aeronautical companies  
in the Occitanie region.  
Find partners,  
identify skills...



# All the skills you need are in Occitanie

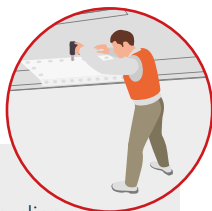
## Engineering, tech services:

R&D, R&T  
IT, Information systems  
AI, Big Data  
Methods



## Production:

Metalworking, metal casting  
Mechanics  
Machine tools  
Avionics, electronic and electrical systems, IFE  
Thermoplastics, composites, materials  
Air conditioning systems Interior fittings  
Aircraft fasteners and screws  
Additive manufacturing, factory 4.0, digital transition



## MRO

Repair, recycling,  
dismantling



## Assembling:

Aircraft construction  
Drones and VTOL  
FAL



## Skills around the plane

Air traffic management  
Logistics and distribution of  
aeronautical components  
Testing, inspection, certification

## Nîmes, a European hub for Civil Security

Nîmes airport evolves into a European firefighting hub, enhancing its expertise and offer. It fosters operational know-how, research and crisis management for the planet's preservation.

## Tarmac Aerosave, in Tarbes

provides Innovative solutions  
in aircraft & engine storage,  
transition, maintenance and  
sustainable recycling





# Unparalleled, cutting-edge teaching and research organizations

Occitanie offers the talent you need, from vocational trainees to prestigious engineering, legal or commercial graduates...

**The world's most prestigious engineering schools:** ISAE-Supaero, world leader in aerospace engineering higher education and ENAC (National School of Civil Aviation), the leading aviation university in Europe.

## Sciences the Universities of Toulouse and Montpellier

at, and 5 prestigious Grandes Ecoles with extensive expertise in aeronautics (IMT Mines Albi and Alès, ENIT, ENSEEIHT, INSA, ESMA Aviation Academy).

**Master of Science in Aerospace management** at Toulouse Business School.

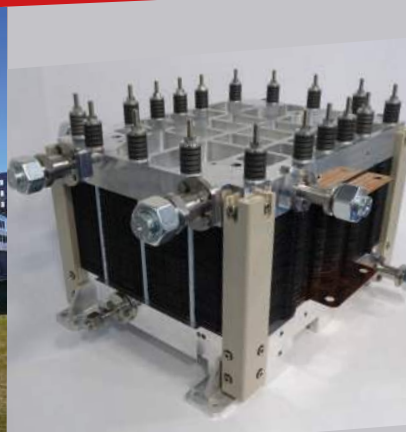
**40 establishments train high school** students in aeronautics and space-related professions.

## A unique concentration of Research Centres with worldwide recognition

Take advantage of the knowledge and high-tech testing facilities available at R&D centres of the Occitanie region, with skills transfer and high added value technologies applicable to the development of new products and services in every aspect of the aviation sector.

- ANITI (Artificial and Natural Intelligence Toulouse Institute),
- CEA
- CEMES/CNRS (studies of matter)
- CERFACS (European Centre for Research and Advanced Training in Scientific Computation)
- CIRIMAT (Inter-university Centre of Materials Research and Engineering)
- Clement Ader Institute
- DGA TA (Expertise and ground testing of aeronautical systems and equipment)
- ENAC
- IES (Institute of Electronics and Systems)
- ISAE-SUPAERO
- IMFT (Fluid mechanics, combustion)
- IMT Mines, Albi and Alès
- Institute for Sustainable Aviation (ISA) - ISAE
- IRIT (Toulouse Institute of Computer Science Research)
- IRT - Technological Research Institute, Saint-Exupéry
- LAAS/CNRS (Laboratory of Systems Analysis and Architecture/National Scientific Research Centre)
- LAPLACE (Laboratory of Plasma and Conversion of Energy)
- LIRMM (Laboratory of Computer Science, Robotics and Microelectronics, Montpellier)
- ONERA (The French aerospace lab)
- PRIMES /ENIT (Power mechatronics, energy management)

The Maison de la Formation Jacqueline Auriol, an educational-industrial complex offering technical and technological resources as well as mechanical, manufacturing and aeronautical engineering courses (Université Paul Sabatier, ISAE, INSA).





AD'OCC is the Investment, Trade and Innovation agency of the Occitanie region. We offer free consulting for your corporate inward investment or partnership projects in Southern France.

For 25 years, we have been assisting aeronautical companies wishing to set up in Occitanie. 100 foreign companies have chosen the Occitanie region! Why not join them?

## #Choose Occitanie

### MONTPELLIER

3840 Avenue Georges Frêche  
CS 10012 - 34477 Péroles  
Cedex  
Tél. : +33 (0)4 99 64 29 29

### TOULOUSE

La Cité - 55 Avenue Louis Breguet  
CS 84008 - 31028 Toulouse  
Cedex 4  
Tél. : +33 (0)5 61 12 57 12



[www.invest-in-occitanie.com](http://www.invest-in-occitanie.com)

