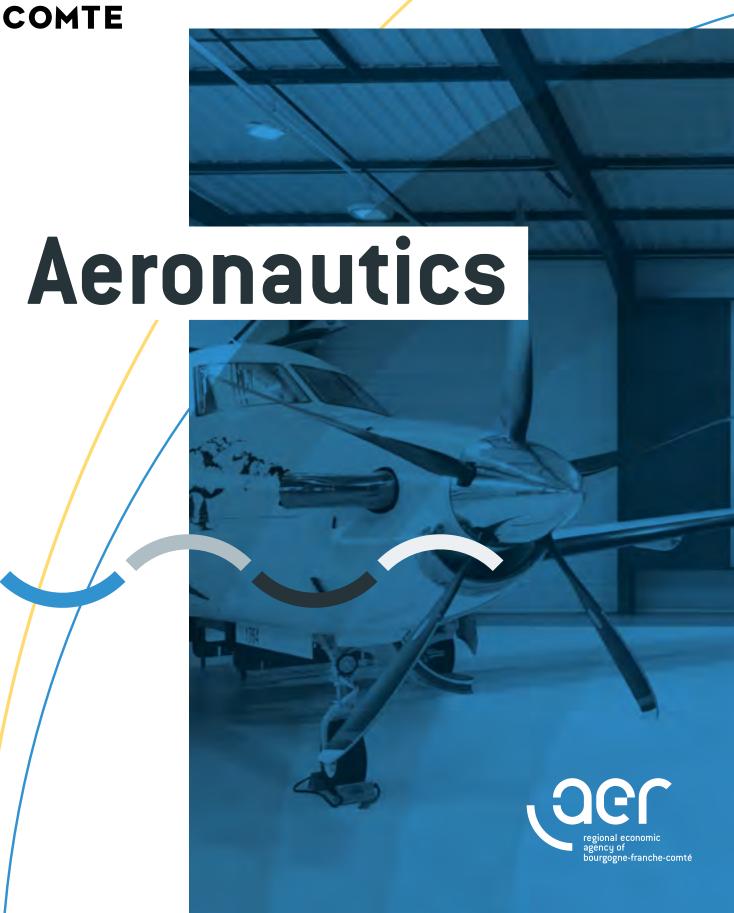
REGION
BOURGOGNE
FRANCHE



DO YOU HAVE A PROJECT? BOURGOGNE-FRANCHE-COMTÉ WANTS YOU!

set up shop

With its business parks and road and airport infrastructure, Bourgogne-Franche-Comté has all the assets you need to jump-start your projects in an environment designed for entrepreneurial innovation.





No.2

REGION FOR REGION FOR **METAL PROCESSING** MANUFACTURING OF PLASTIC TECHNICAL **PARTS**







HIGHWAYS FORMING A STRATEGIC INTERSECTION **AIRPORTS** IN THE HEART OF EUROPE

OF HSR LINES 14 TGV STATIONS

dedicated and related clusters

AEROMICROTECH

A member of GIFAS (the French aerospace indusassociation), the Bourgogne-Franche-Comté aeronautics, space, and defence cluster, created by the Microtechnology competitiveness cluster, brings together academic and economic partners: companies, professional partners, and stakeholders in research and education. The cluster promotes the expertise of each participant to get the attention of potential customers like Thales, Airbus, Safran, and more.

GIS AERO

Located in the north of the region, this cluster of manufacturers brings together 12 companies, including Figeac Aero, Kep Technologies, and Safran. Its objectives are to develop skills and share investments in a surface treatment production line.

©Aéroport Dole Jura

ROBOTICS VALLEY

NEARBY Robotics Valley is a cluster dedicated to industry 4.0, in particular robotics/cobotics and vision. Its work includes integrating these procedures and processes into industrial companies. Hannover NETHERLANDS TED-KINGDOM LONDON Cologne GERMANY CZECH Frankfurt REPUBL ille PRAGILE LUXEMBOURG Rouen BOURGOGNE Munich sbourg VIENNA FRANCHE-COMTÉ AUSTRIA Basel Zurich Besançon BERN FRANCE SLOVENIA Nantes SWITZER LJUBLJANA Geneva 500 km Milan Bordeaux Turin European main roads and high speed trains Toulouse 100 million inhabit 400 Km International airports Marseille Capital cities

Main cities

4 competitiveness clusters tied to the sector

PÔLE VÉHICULE DU FUTUR CLUSTER

The 'Pôle Véhicule du Futur' is a leading cluster for vehicles, mobility solutions, and related services.

It brings together and coordinates an ecosystem of more than 400 members in the Bourgogne-Franche-Comté and Grand Est regions of France. Its main missions include the emergence of R&D projects and industrial performance to help businesses improve their competitivity.

A significant number of manufacturers operate in both the automotive and aeronautical industries, such as, for example, Danielson, Galvanoplast, IDMM, and Schrader Pacific.

SBU* for the cluster: Energy and propulsion, Design, Materials and Recycling, Industry of the future, Connected and autonomous vehicles, Mobility as





COMPANIES

PLASTIPOLIS CLUSTER

Plastipolis promotes the development of collaborative projects related to additive manufacturing, eco-materials, process engineering, advanced tooling, micro-manufacturing, plastronics and hybrid composites. Examples of topics addressed: lightening of structures, fire-resistant plastics, materials for batteries, recycling.

for the cluster: high value-added manufacturing processes, advanced functional materials, eco-plastic processing, smart plastic products, efficient management of resources and digital factories.





MEMBER

MICROTECHNOLOGY CLUSTER

The 'Pôle Microtechniques' (PMT) brings together, represents, and coordinates companies with expertise in microtechnology to support the aeronautics, health, microsystem, and luxury goods industries, as well as sectors including energy, transport, and optics/photonics.

SBU* for the cluster: Luxury goods, Health Aeronautics, Space and defence, Microsystems.





COMPANIES

NUCLEAR VALLEY CLUSTER

Nuclear Valley is the only government-certified competitiveness cluster dedicated to civil nuclear technology in France. The organisation promotes the emergence of innovative and competitive solutions for the civil nuclear industry by mobilising all available resources (industrial, institutional, academic, and scientific). The cluster particularly focuses on non-destructive inspections for the aeronautics sector.

SBU* for the cluster: Design and creation of equipment; operations and maintenance; dismantling, recycling, civil engineering and nuclear-grade concrete; digital technology; medical applications and radioprotection.



THE REGIONAL ECONOMIC AGENCY OF BOURGOGNE-FRANCHE-COMTÉ

The Regional Economic Agency works in close and harmonious collaboration with stakeholders in business development, innovation, training, and employment to:



ASSIST in maintaining and improving economic activity and employment in the region



SUPPORT AND DEVELOP innovation and eco-innovation



BACK economic development strategies of the region



PROMOTE the economic attractiveness of the region

^{*} SBU: Strategic Business Units

BOURGOGNE-FRANCHE-COMTÉ

RESPONSES TO TOMORROW'S CHALLENGES FOR AERONAUTICS

In Bourgogne-Franche-Comté, the industry is organised into 3 segments:

- > commercial and defence aeronautics
- > light aeronautics
- > airport infrastructure

The expertise in the region is based on a network of manufacturers with complementary technological skills: telecommunications, networks, transport, energy, metalworking, surface treatment, microtechnology, and composite materials. This expertise has long drawn the interest of the big customers in the industry, one of which operates in the region: **Safran** [4 sites].

Based on the needs of the market, trainings offered create a qualified workforce that meets the needs of the manufacturers.

A forward-looking ecosystem that helps make Bourgogne-Franche-Comté a region for excellence in aeronautics.



- **☑** NO.1 FRENCH INDUSTRIAL REGION
- **☑** NO.1 REGION FOR LIGHT AVIATION
- ☑ 1 MAJOR CUSTOMER LOCATED HERE: SAFRAN
- ☑ 2 DEDICATED CLUSTERS
- ☑ A DIVERSE CONTRACTOR NETWORK
- ✓ TARGETED TRAINING OFFERINGS

A FEW COMPANIES IN THE INDUSTRY



MANUFACTURERS LIGHT AND ULTRALIGHT AIRCRAFT, DRONES



SYSTEMS MAKERS



COMPONENT MANUFACTURERS



MAINTENANCE



AIRPORTS



ENGINEERING FIRMS



ARS
AVIONEO ROBOTICS
LA MOUETTE
DANIELSON AIRCRAFT SYSTEM
JODEL
NEW ROBIN AIRCRAFT

SAFRAN



GROUPE CLEMESSY IAERO JPC AVIATION KEP TECHNOLOGIES LISI AEROSPACE SAFRAN



AR ELECTRONIC
AMTE
AUBERT ET DUVAL
BECKER AVIONICS
BODYCOTE
C&K COMPONENTS
FIGEAC AERO
GRESSET ET ASSOCIÉS
IXBLUE
KEP TECHNOLOGIES
PRECILEC
PRYSMIAN
RADIALL

SPARTACUS 3D STAINLESS STEFORGES SKF AEROSPACE

ALTIA

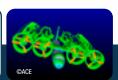


ARS JG AVIATION UTC AEROSPACE



CHARLATTE MANUTENTION
DELTABOX
FLASH ELEK
GAUSSIN MANUGISTIQUE
JPC AVIATION
NICOLAS INDUSTRIES

PR INDUSTRIE



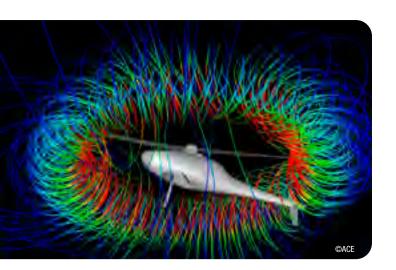
AERO CONCEPT ENGINEERING ALTRAN ASSYSTEM



Godycote

SKF.

BOURGOGNE-FRANCHE-COMTÉ A TRAILBLAZING SPIRIT



AERO CONCEPT ENGINEERING

STUDIES OF FLUIDS

Grown from the Formula 1 racing sector, ACE offers **expertise in aerodynamics** for many different aeronautics applications (drones, aeroplanes, propellers, aircraft tail pieces).

innovative companies

SPARTACUS 3D

3D PRINTING

An expert in **additive metal manufacturing,** Spartacus 3D supports aeronautics and space industry customers in developing, manufacturing, and mass-producing innovative components for landing gear, engines, doors, actuators, etc. The company's manufacturing site in Mâcon has laser melting machines that make it possible to work with titanium, aluminium and stainless steel alloys, and nickel-based superalloys.

AVIONEO ROBOTICS

EVTOL 4.0 FLYING TAXI

Avionéo is aiming to develop a zero-emission fleet of eVTOLs (convertible aircraft with vertical take-off). An efficient and ecological solution based on an innovative industry 4.0 model, which is much more economical than a car day-to-day.

a cutting-edge scientific and technical environment

ICB LABORATORY

OPTICS AND NEW MATERIALS

The Carnot de Bourgogne Interdisciplinary Laboratory (ICB) is a shared body associated with the CNRS and linked to the University of Bourgogne and the University of Technology of Belfort-Montbéliard. At the laboratory, new functions are developed for **optics** and **new materials**, intended for **applications in industry, medicine, and telecommunications**. ICB is also innovating in **3D and 4D printing**. The Excalibure project, a centre of excellence in powder metallurgy, is developing innovative solutions for manufacturing using powder metallurgy and, notably, using laser sintering.

Imvia Laboratory Imaging and artificial vision

The imaging and artificial vision laboratory is a research unit linked to the University of Bourgogne. **Computer vision** is at the heart of its topics with significant activity involving **real-time vision systems**, or even applied to **robotics**.

FEMTO-ST INSTITUTE

MICRO- AND NANO-TECHNOLOGIES, MATERIALS AND MECHANICAL STRUCTURES, TIME AND FREQUENCY, PHOTONICS, ROBOTICS, IT, ENERGY

With 750 staff members, FEMTO-ST is a research institute associated with the CNRS and linked to the University of Franche-Comté, the National School of Mechanics and Microtechnology, and the University of Technology of Belfort-Montbéliard. Of its 7 scientific departments, Time and Frequency, Applied Mechanics and Optics are regularly called upon to contribute to high-tech innovations in the aeronautics and space sectors (space navigation, telecommunications, radar, signals, optics systems for satellites, materials and mechanical structures, smart and communicating sensors and microsystems, software testing and checks, etc.).

ISAT'S DRIVE LABORATORY

RESEARCH IN VEHICLE ENGINEERING FOR THE ENVIRONMENT

Propulsion energy optimization, smart transport systems, composite materials and durability, vibratory and acoustic behaviours. Training: master's in research and PhD.

BOURGOGNE-FRANCHE-COMTÉ TARGETED TRAININGS

UNIVERSITY OF BURGUNDY-FRANCHE-COMTÉ

- > DUT (University Diploma in Technology): Electrical engineering, Thermal engineering, and Energy
- Professional bachelor's in aeronautical design and manufacturing
- MIR Master's Engineering of complex systems, Microsystems, Embedded instrumentation, Robotics
- M2E2 Master's: Mechatronics, Microsystems, and Embedded Electronics
- VIBOT: International and English-language programmes (L3, M1, M2) training specialists in image processing, computer vision and instrumentation, for application in mobile robotics and smart vehicles.

ISAT NEVERS

HIGHER INSTITUTE OF MOTOR VEHICLES AND TRANSPORT

The only French public engineering university that specifically trains people with student and apprentice status for careers involving motor vehicles and transport, the ISAT has a research laboratory focusing on four skill areas: Energies, propulsion and environment, smart vehicles, durability and composite structures, vibrations and acoustics in transport.

ESIREM DIJON

SUPERIOR UNIVERSITY OF MATERIALS AND INFOTRONICS ENGINEERS

- > Materials Sustainable development
- Informatics/Electronics: Embedded systems, Network security and quality, Software and knowledge engineering

ENSMM BESANCON

A GENERAL ENGINEERING UNIVERSITY SPECIALISED IN MECHANICS AND MICROTECHNOLOGY

Structural mechanics, Creation of connected objects, Materials and surfaces, Mechatronics and robotics, Engineering of production systems, Micromechanics, Innovation engineering, Process engineering.

UTBM BELFORT-MONTBÉLIARD

UNIVERSITY OF TECHNOLOGY OF BELFORT-MONTBÉLIARD

 Energy course of study: Energy production, Networks, conversion, and storage, Transport and embedded energy systems

ARTS & MÉTIERS PARISTECH CAMPUS

> Studies in mechanical, industrial, and energy engineering

aeronautical trainings

SAINT YAN AIR'E ACADEMY

DEDICATED CAMPUS

Right next to the Saint Yan Airport in Saône-et-Loire, the campus of Saint Yan Air'e Academy is home to various training centres offering:

- > training for pilots and air traffic controllers,
- > training for flight crew members,
- > training for airport staff (on-the-ground personnel).

ENAC SAINT YAN

NATIONAL SCHOOL OF CIVIL AVIATION

Commercial pilot licence - multi-engine instrument rating

ESIMA SAINT YAN

INTERNATIONAL SUPERIOR UNIVERSITY OF AERONAUTICS PROFESSIONS

Private, professional training for airline agents, flight attendants, airport security agents, air traffic agents, runway assistants, and aeroplane assistants.

AIRTRACE - BTEE SA

INTERNATIONAL CENTRE OF AIRPORT TRAINING

Expertise, support and training in airport operations, security, certification, animal and environmental risk prevention.

ASTIER PROFESSIONAL SECONDARY SCHOOL

- 2 professional baccalaureate programmes: Aeronautics and General Aviation
- > Bachelor's Aeronautics mechanic

CREUSOT IUT

 Professional bachelor's in aeronautical design and manufacturing

APACHE AVIATION

Grown from the world of aerobatics, APACHE offers upset prevention and recovery training (UPRT) for professional pilots.





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FOR MORE INFORMATION



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