Invest in FRANCHE-COMTÉ

New mobility solutions
FRANCHE-COMTÉ, at the heart of a European market

Identify & territory

ROAD*
- Freiburg im Breisgau: 1 hr 50
- Geneva: 2 hrs
- Strasbourg: 2 hrs 15
- Lyon: 2 hrs 30
- Stuttgart: 3 hrs 30

TGV**
- Paris: 2 hrs 05
- Zurich: 3 hrs 20
- Marseille: 3 hrs 40
- Brussels: 5 hrs 10
- London: 6 hrs 20

INTERNATIONAL AIRPORTS
- Basel - Mulhouse
- Lyon St-Exupéry
- Geneva

*Starting from Besançon
**Starting from Besançon - Franche-Comté TGV

BUSINESS DEVELOPERS IN FRANCHE-COMTÉ*
- Adler
- Alstom Transport
- Assystem
- Bertrandt
- Bourbon Technologies

FRANCHE-COMTÉ, at the heart of a European market

European main roads and high-speed trains
- International airports
- Capital cities
- Main cities

FRANCHE-COMTÉ, European by nature:

- Euroairport
- Bern
- Strasbourg

Identity & territory
FRANCHE-COMTÉ

A concentration of expertise unrivalled in France

IDENTITY
• 16,202 km²
• 1,168,790 inhabitants
• 250 km of shared border with Switzerland

INDUSTRIAL REGION IN FRANCE

LARGEST REGION FOR CUTTING AND STAMPING

LARGEST REGION FOR SURFACE TREATMENT

COMPETITIVENESS CLUSTERS
• MICRO-TECHNOLOGY
• VEHICLE OF THE FUTURE
• PLASTIPOLIS

* Non exhaustive list.
From cars to new mobility solutions

Birthplace of the automotive adventure

The automotive adventure in Franche-Comté began in Beaulieu in the Doubs department, at the end of the nineteenth century. Since then, businesses in the sector have often been behind major technological advances in both models and production processes.

PSA Peugeot Citroën, now Europe’s second largest car manufacturer, started out from its historic Sochaux site in Franche-Comté. Alstom’s railway adventure also began in Franche-Comté. The Alstom Transport teams design and manufacture TGV power cars and locomotives in Belfort and engines and alternators in Ornans. They contributed directly to the development of the train with which Alstom set the world rail speed record of 574.8 km/h in April 2007.

Franche-Comté, a natural land of talent, resources, skills, imagination, innovation and passion.
World-class centres of excellence:

FAURECIA BAVANS
This site is the OEM’s world research and test centre for exhaust systems. It employs a 150-strong team working on the development of effective and economic solutions.

FAURECIA AUDINCOURT
With its 7,000 m² research laboratory, Audincourt is the site of Faurecia’s world centre for the production of painted plastic external parts. The group’s standard Newtechn process was developed by Franche-Comté teams.

SCHRADER PONTARLIER
Pontarlier is the group’s worldwide R&D centre for valves and radiofrequency systems used for measuring tyre pressure.

PSA BELCHAMP
This 430 ha site has laboratories, test benches and miles of test track to meet all requirements in this field.

ALSTOM TRANSPORT ORNANS
This is the group’s worldwide centre of excellence for the design and manufacture of engines and alternators for railway systems.

LISI DELLE
LISI AUTOMOTIVE, the world leader in its field, designs and manufactures a comprehensive range of high value-added fastening systems using different materials and technologies.
Innovative solutions for vehicles

From the car to the vehicle of the future

Working in association with major international car manufacturers and OEMs, small and medium-sized enterprises in Franche-Comté contribute to projects to develop innovative vehicles. The Vehicle of the Future cluster works closely with the Microtechnology cluster on developing embedded sensors and microtechnology for use on vehicles. It also works on developing new materials with Plastipolis, the plastics cluster.

Strategic research and innovation work carried out in Franche-Comté focuses on new tools, new design approaches, new materials and life cycle and energy and propulsion. Keys objectives are lighter vehicles with cleaner, more fuel-efficient engines, and a greater effort to recycle parts.

Future development work will provide ways of meeting the environmental and economic challenges of the twenty-first century.

3 competitiveness clusters working in synergy:
- Microtechnology
- Plastipolis
- Vehicle of the Future

Mobilis Conferences

Laurent Cheviet

Research and innovation

Mobilis International Forum

The annual event organised by the Vehicle of the Future cluster addresses key issues in future mobility solutions. A major initiative for creating new projects.

www.mobilisconference.com
Hydrogen, energy for vehicles

Research & innovation
FC Lab Recherche is a CNRS research federation made up of sixty specialist research scientists dedicated to fuel cell development.

FCellSYS is a technology centre set up to work with industry and local authorities in promoting and speeding up the development of an industrial sector based on commercial applications.

Projects and achievements
MoByPost is a European project aimed at developing hydrogen mail delivery vehicles for La Poste, the French postal services group. The aim is to find a fuel solution compatible with the highly demanding operating conditions of these vehicles. The vehicles are scheduled to come into service in Audincourt and Lons-le-Saunier as of 2013.

The F-City H2 is the first hydrogen vehicle to be approved for use on the public highway. The city is its ideal environment.

Innovation Centres

R & D Moteurs
One of the five best-performing test centres in Europe for internal combustion engine trials. It is home to a test bench for high-performance engines that offers a combined approach to the engine and its upstream and downstream components. This first major project of the Vehicle of the Future cluster began in November 2011 and employs nine people.

ISTHY, Hydrogen Storage Institute
The project to set up ISTHY is a joint effort by industry (SMEs and major groups), organisations and agencies working in the hydrogen sector, the University of Franche-Comté and local authorities. Its objective is to become the French centre for approval and repurposing of storage systems, as well as a training and R&D centre to anticipate changes in the hydrogen industry.
Intelligent transport
Communication, infrastructure & services

Technologies and services: future mobility solutions

Franche-Comté, home to the great automotive adventure, has much to offer for the development of future mobility solutions - not only new vehicles, but also new means of transport and the infrastructure to go with them.

New lifestyles - new ways of getting about. Vehicles now offer greater comfort and ease of use as well as new functions: improved safety features and interchangeable, interactive equipment based on a "modular" concept. Manufacturers use communication technologies to market smart vehicles that interact with the world around them to offer a wide range of services.

The transport systems of the future will make use of vehicles that are less dependent on the individual driver, but able to analyse situations and steer clear of obstacles. A major factor in moving society forward, future mobility solutions take in the whole picture.
From virtual to real: creating an object for a user in an environment

A complementary range of equipment for digitising objects, environments and users for improved performance when they are gradually reintegrated into the real world. A wide range of services is available to firms to accompany and optimise the design process for products and workplaces.

- **Visio-concept**
  Co-design equipment.

- **Manercos**
  Analysis module for systems ergonomics and design. Immersive virtual reality platform.

- **Simercos**
  Unit equipped with a rail simulator and car simulator.

- **Edim**
  Design studio, mechanical workshop and characterisation equipment.

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**Mobility solutions and infrastructure**

**Mobility services**
Publishers of geographical portals, designers of technological solutions, modelling specialists and geolocation experts work together in the area of sustainable mobility and intermodal transport.

**Special or adapted infrastructure**
Projects in this area focus on flow management, vehicle location and parking management.

**Data exchange & telecommunications**
Intelligent roads, traffic management, communicating vehicles, geopositioning, demand responsive transport.

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**Innovation Centre**

**Car2Road**
Open to all those working in the mobility sector, Car2Road offers a range of services unrivalled in Europe, including virtual and real environments for developing intelligent transport systems and services.

It addresses three fields in particular:
- Cooperative mobility
- Safe mobility
- Infomobility
Skills of the future

Centre of excellence for the mobility sector

Franche-Comté, a true pioneering region, is home to major groups, small and medium-sized enterprises, innovative start-ups, research laboratories and education and training centres, all committed to the development of mobility solutions for use in the near future.

World-class centres of excellence like PSA Peugeot Citroën, Faurecia, Schrader and Lisi, Orange Labs, Solvay and many design offices, working in close collaboration with Femto-ST, the University of Franche-Comté and UTBM, put Franche-Comté at the forefront of R&D.

Franche-Comté, land of skills, has fostered the development of highly professional training courses to create interdisciplinary skills.

Economic conditions in the region are ideally suited to the development of innovative industrial projects that are highly motivating for all students, whether at vocational diploma level or for future engineers.
Organised research

FEMTO-ST
Divided into six departments:
• Automation and micro-mechatronic systems
• Energy and multiphysics systems engineering
• Applied mechanics
• Micro- and nanosciences and systems
• Optics
• Time-frequency.
www.femto-st.fr

LIFC
The Franche-Comté computer science laboratory is part of Femto-ST and divided into four research teams:
• Numerical and distributed algorithms
• Distributed algorithm collaboration, networks, optimisation and scheduling
• Optimisation, mobility, networking
• Model verification, specification, testing and engineering
http://lifc.univ-fcomte.fr

SET
The Systems and Transport Laboratory is made up of 80 researchers working in three teams:
• Computing, communication, agents and perception
• System ergonomics and design
• System evaluation and command
http://set.utbm.fr/

LERMPS
The Laboratory for the Study and Research of Materials, Processes and Surfaces develops techniques for vapour-phase deposition, thermal projection and laser powder fusion for micro-manufacturing.
http://lermps.utbm.fr

Training in excellence

UTBM, University of Technology at Belfort-Montbéliard
• 450 engineers qualified per year
  Offers a strong focus on ground transport and energy generation.
• 2,712 students
• 140 foreign partner universities
• 5 engineering departments
www.utbm.fr

ENSMM, National Engineering Institute in Mechanics and Microtechnologies
The only school in France devoted to microtechnology.
• 900 students
• 4,600 engineers in employment
www.ens2m.fr

UFC, University of Franche-Comté
Every year, more than 4,000 students in information technology, mathematics, engineering sciences, as well as engineering, energy and the environment graduate from the University of Franche-Comté.
www.ufc.fr

ESPERA SBARRO SCHOOL
This school offers a 10-month training course in automotive techniques, combining theory and practice: modelling, polyester bodywork, drafting and design, general mechanics, welding, automotive mechanics, chassis construction, as well as communication and management.
www.e-sbarro.fr

JULES VIETTE SCHOOL
Offers initial professional training for the automotive sector:
• BAC PRO
  professional certificate in automotive maintenance
• BAC STI
  Mechanical engineering for motorised systems
www.lyceeviette.fr
A strategic location in Europe

Franche-Comté has a wide range of sites available at competitive prices, with business incubators and shared business centres and offering many services.

Franche-Comté provides essential equipment and amenities to help businesses develop innovative solutions.

The Regional Council has a generous financial incentives policy.
Setting up your business in Franche-Comté

Dole - Innovia
On a 70 hectare site in a unique location, at the centre of Europe’s major traffic flows, the Innovia complex has an interregional focus and is used by industrial and logistics firms.
www.grand-dole.fr

Belfort-Fontaine Aéroparc
Located midway between the two PSA Peugeot Citroen production sites at Sochaux and Mulhouse, the ISO 14001 certified Aéroparc is dedicated to automotive equipment suppliers and logistics companies.
www.adebt.fr

Technoland, Pays de Montbéliard
On the edge of the PSA Peugeot Citroen site at Sochaux, Technoland houses 200 businesses over 200 hectares: logistics companies, automotive equipment suppliers, parts and components suppliers, capital goods integrators and many other service activities (automotive engineering, etc.).
www.adu-montbeliard.fr

Numerica, multimedia centre of Franche-Comté
In the heart of Montbéliard’s automotive industry, the Numerica ICT resources centre supports initiatives to guarantee excellence in the automotive sector such as design and project review using an immersion room. Visio Concept, which is also hosted at Numerica, provides access to manufacturer digital mock-ups via the automotive industry’s pooled, secure high-speed network (ENX.).
www.sem-numerica.fr

Haute-Saône, Aremis Lure and Héricourt
Lying halfway between PSA’s leading European logistics site and the Sochaux site, and near most of the automotive businesses in the region, the Haute-Saône offers business setup opportunities in fully-equipped and attractive business parks.
www.cg70.fr
Franche-Comté, unique and diverse

With its harmonious yet varied landscapes, the authentically human region of Franche-Comté is synonymous with a privileged quality of life.

In 1920, Jean-Pierre Peugeot invented sponsoring by creating FC Sochaux.
Franche-Comté, land of success

Many businesses have set up and continue to grow in Franche-Comté. Other have come and more will do so to find the skills, talents, determination and passion for achieving tomorrow’s innovations and inventions.

Setting up in Franche-Comté...

ARDFC, the Regional Agency for the Development of Franche-Comté, a welcoming service for new companies

ARDFC’s role is to help investors with their business projects.

ARDFC marshals all the resources required for a tailor-made solution, from defining specifications to setting up, and beyond.

In each industrial sector, it provides the necessary support and resources to help Franche-Comté achieve its interregional and international ambitions. Its mission is to implement a wide range of measures aimed at promoting talent, initiative and innovation. Its economic watch unit gives it a clear grasp of threats and opportunities, which enables it to guarantee the sustainability of projects and support their development.

FREE SERVICES WITH HIGH ADDED VALUE

Sponsored by Franche-Comté’s Regional Council, ARDFC provides a wide range of services for business development in Franche-Comté.

- Economic data
- Real estate and financing opportunities
- Site visits
- Liaison with public and private sectors
- Technical, legal and financial assistance
- Help in recruiting and resettling staff.