

Invest in Bretagne



Intelligent Transport Systems

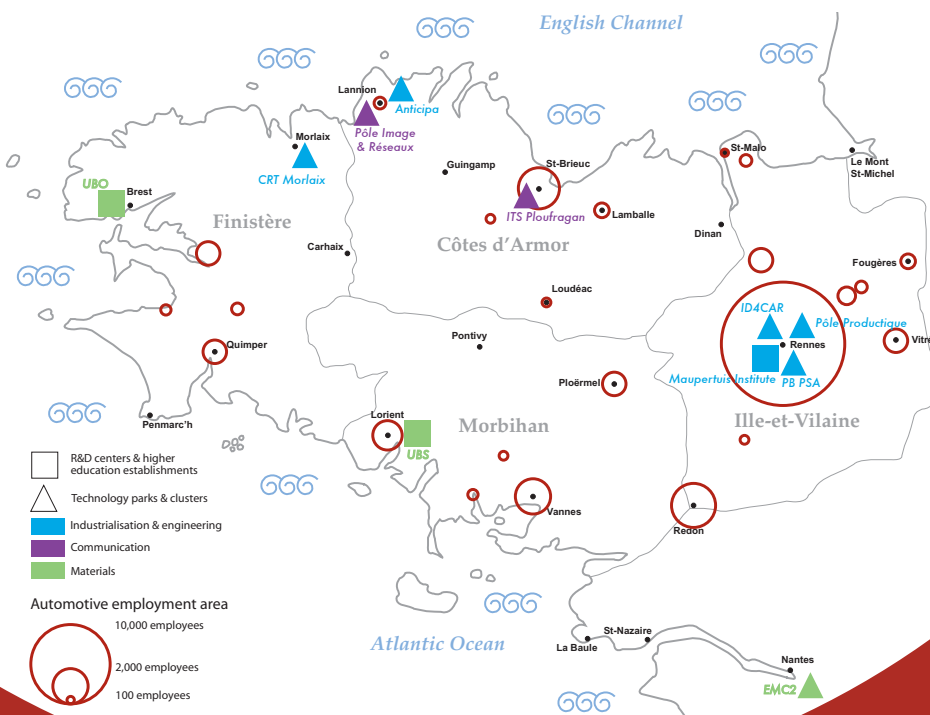
Automotive Industry

Special Vehicles

Embedded Systems

Advanced Materials

Intermodality



Bretagne Automotive & Mobility facts & figures

- 237 companies
- over 27,000 employees
- 2.8% of the jobs in Bretagne
- 1st car-pooling operator
- Europe's 3rd largest high-end automobile production site (PSA)

**Bretagne,
Land of excellence & innovation in
Automotive & Mobility**



Higher education and research centers

- ENSIETA (National Graduate Engineering Institute)
- ISTA (Automotive Technologies Institute)
- Louis de Broglie (Engineering School)
- Maupertuis Institute (Engineering consulting for the application of RFID technologies in manufacturing)
- OPASE (Automotive Embedded Systems Platform)
- UBO (West Bretagne University)
- UBS (South Bretagne University)

Technology Parks & Clusters

- Autéo (Association dedicate to Automotive industry)
- CRT Morlaix (Center of Technical Resources)
- EMC² (Composites Industry Cluster)
- ID4Car (Premium Car Cluster)
- ITS (Intelligent Transport Systems Cluster)
- MEITO (ICT Association)
- Plasti-Ouest (Western Plastic Industry Professional Association)
- Pôle Image & Réseaux (Media & Networks Cluster)
- Pôle Productique (Industrial Production Cluster)
- Véhipole (Innovative Automotive Engineering)
- Technopôle Anticipa (Telecommunications)

The Bretagne Automotive & Mobility industry, 4 key sectors

• INTELLIGENT TRANSPORT SYSTEMS & EMBEDDED SYSTEMS

Companies: C2 Innovativ' Systems, DIXID, ECA Faros, Estar, Geensys, Groupe Lacroix, Kerlink, Kereval, IETR, Lead Tech Design, Newscape Technologies, Satimo...

• AUTOMOTIVE INDUSTRY

Companies: Barre Thomas, Bretagne Ateliers, Clemessy, Cooper-Standard, DelphiEffitech, Faurecia, Legris Autoline, Loupot, MCI, OET, PSA Peugeot Citroën, Sanden, SBFM, SPPP, Visteon...

• SPECIAL VEHICLES

Companies: 2MB International, Autostar, BA Systems, Centigone, Gruau, Maurice Construction...

• PROTOTYPING & ADVANCED MATERIALS

Companies: Actuaplast, AMPIA, Creaform, SMM56, SOTIRA...

Innovation & Intermodality



The region of Bretagne plays a leading role by promoting the new concept of travelling through a dense network of means of transport in its area. The city of Rennes is a laboratory for new behaviours.

- **Regional Express Train (TER):** Bretagne is the first region in terms of number of users, as well as in punctuality.
- **Metro:** by opening its own underground line in 2002, Rennes became the smallest city in Europe to have a metro. A second line is in progress.
- **Bicycle:** Rennes is a pioneer by providing the city with a public bike system in 1998. The service has been enhanced by a second generation of 200 bicycles in 2009.
- **Car-pooling:** Roulezmalin, a software service provider, won the ITS Innovation Prize in 2008.
- **Car-sharing:** City Roul', winner of the ITS Intelligent Mobility Prize in 2008, set up a partnership with Kerlink and GTM to develop an advanced car-sharing technology.
- **Intermodality:** The Korrigo card is one card for all transport modes (train, bus, metro, car-sharing, bicycle) available in Rennes and Ille-et-Vilaine area. Soon, this innovative card, promoting intermodality, will be used through the Bretagne region.



Success story

“ We have set our automotive compressors production facilities in Tinténiac (Bretagne) in 1995. This location was chosen to be at our european customers' doorstep, and to benefit from a qualified workforce able to guarantee continuous improvement of our productivity standards.

Olivier Campy, CEO, SANDEN Manufacturing Europe

Projects in Bretagne

Below are examples of projects held by companies (mostly SMEs) and universities, and supported by clusters (ID4CAR and ITS Bretagne):

Intelligent systems

- new generation of radar sensor technology for cruise control
- communication systems between cars or between cars and transport infrastructure
- optimisation of traffic control

Road safety

- security improvement for public transports
- reduction of emergency and rescue lead times

Embedded systems

- computational technologies
- testing and security of embedded electronic systems

New technologies

- light materials developed to meet stringent mechanical and acoustic requirements
- special vehicles adapted to people with disabilities
- in-car air filtration and pollution control

Tests facilities: OPASS, the road of future

OPASS (West Platform Automotive Embedded Systems)

Platform for rapid prototyping and simulation systems (providing material and human resources to support companies in the development of innovation related to vehicles).

www.opass.fr



BATSCAP, Blue Car

Batscap has developed in Quimper an innovative Lithium Metal Polymer battery and supercapacitors.

Designed to equip the Blue Car with a 250km autonomy battery and 6h charging time. The car will be available for renting in 2010. Already 5,000 reservations have been made.



New Tax Credit for Research and Development

The recent Finance Law of 2008 simplifies and makes the tax credit for R&D in France more attractive

Applications can be made simply by completing a straightforward form to be submitted at the same time as the corporate tax return.

The amount of tax credit given to the company is equal to:

- 50% of R&D expenses the 1st year
- 40% of R&D expenses the 2nd year
- 30% of R&D expenses the 3rd year and for all of the following years
- These rates apply to the first 100 M€ of R&D expenses, over and above this amount the tax credit is equal to 5%

The R&D expenses

All R&D expenses are taken into account:

- Staff costs (gross wages and social security contributions) for researchers and research technicians working directly and exclusively on research : 75% of eligible staff costs, 200% of salaries paid to recent doctoral graduates over the first 24 months
- Patent filing and maintenance costs
- Amortization of patents acquired for research purposes
- 50% of standardization costs
- Spending on patent defence and technology watch R&D done within the European Union is eligible.

Bretagne International

Bretagne International is a non-profit association of private companies located in Western France. We have been commissioned by the Regional Government of Bretagne to assist Breton companies in their international development, to identify and support foreign companies planning to expand their business internationally.

We at Bretagne International provide you with free confidential assistance through the different stages of your project to develop your business through presence in Bretagne, France.

Data collection

- Market studies and validation
- Supplier, partner and customer identification
- Availability and skills of workforce
- Financial incentives
- Cost assessments (salaries, taxes...)
- Labour laws

Business meetings

Based on your requirements and your project, we tap into our long experience with Breton companies, our excellent knowledge of the regional know-how and the region's economic environment. We will work with you to set up a series of meetings with key business leaders in the region.

Site proposals

With the support of the **Economic Agency of Bretagne**, we can submit to you a selection of sites according to your needs (greenfield, industrial buildings, offices...).

Assistance before, during and after your installation

We help you with all your administrative formalities:

- Law firm and accounting firm recommendations
- Capital raising orientation
- Creation of your local structure
- Staff recruitment
- Arrival of your expatriates and their families...

Bretagne International

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