

# TEMIS

NUMBER 40  
SEPTEMBER - OCTOBER  
NOVEMBER 2013  
www.temis.org

# news

B E S A N Ç O N - F R A N C H E - C O M T É - F R A N C E



## A new technology space in TEMIS INNOVATION Maison des Microtechniques

## News

### TEMIS IS NOW HOME TO THE PRESTIGIOUS COMPANY CARTIER

Cartier has selected Besançon as the home of a workshop devoted to the manufacture of high-quality frames for prescription spectacles and sunglasses. "The traditional know-how and manufacturing culture of Besançon and the surrounding area address the requirements for high standards and perfection of Cartier frames" says the famous luxury goods specialist.

The workshop, which has been opened close to the Breitling facility in the TEMIS Technopole, will start operations with some thirty staff. 40 to 50 jobs could be created eventually.

That choice is the result of the cooperation between the Chamber of Commerce and Industry of the Doubs, the authorities of Grand Besançon, TEMIS and sedD, which have been working for over a year in close collaboration with the decision-makers of Cartier.

After the opening of the European service centre of Breitling and the return of the famous watchmakers Leroy, the arrival of the Cartier workshop confirms the status of Besançon as one of the great centres of the French luxury goods industry.

*Cartier was founded in 1847. The prestigious jewellers are also experts in watchmaking, leather goods, perfumes and spectacle frames.*

*With 5,500 employees across the world, it is part of the Swiss group Richemont (third luxury goods manufacturer in the world) since 1972.*

### EXTENSION OF CLEAN ROOM

As part of the TEMIS SCIENCES operation, the 850m<sup>2</sup> extension of the clean room of TEMIS INNOVATION - House of Micro-Technologies is almost complete. The moving and repositioning of high-technology equipment will take 4 weeks and the new space, covering a total of approximately 1,400m<sup>2</sup>, including 865m<sup>2</sup> of class 5 to 7 premises, will be operational in November. This leading-edge platform will bring together the special micro-manufacturing activities of the FEMTO ST Institute, close to user laboratories and businesses.

Contact: Jean-Claude JEANNOT - DVUFC  
Tel. +33 (0)3 81 85 39 75 • Email: jcjeannot@femto-st.fr



**P3**  
The Vehicle of the Future  
cluster in TEMIS



**P3**  
PHOTLINE joins  
one of the world leaders  
of location technology



**TEMIS**  
BESANÇON  
TECHNOPOLE MICROTECHNIQUE & SCIENTIFIQUE

## CRYLA INAUGURATES ITS NEW FACILITY IN TEMIS

■ Since 19 August, the 80 employees of CRYLA and CRYLA Développement have been working in their new building in TEMIS. All the staff appreciate their spacious, bright and ultra-functional new workplace. With the new facility, the specialist of complex micro-technology components and subassemblies for the aerospace, medical and luxury industry has given a boost to its production dynamic, while optimising the quality of work of all its staff. First tour.



### Eco-construction

The sustainable approach has been applied extensively at every stage. "During the building process, we set up an 'itinerant factory' on the site to pre-fabricate elements on the site, thus reducing pollution due to transport. The framework and the cladding of outer walls is based on wood, which is an excellent insulator. Besides, the heating and cooling system uses deep geothermal processes. The outer skin of the building is made of galvanised steel, and will not require any maintenance. The large quantities of wood used for cladding and in office and workshop partitions are all sourced from local forests, and have been sawn and prepared in Amancey."

With this new 3,200 m<sup>2</sup> site, CRYLA has trebled its floor area. Close to € 4 million has been invested, covering the price of the land, the building and the different fittings. Also, the move was super-fast and completed within the holiday period. All 250 machines were fully operational by 19 August!

### Contact: Thierry Bisiaux

Tel. +33 (0)3 81 50 14 11 • [www.cryla.fr](http://www.cryla.fr)



Thierry Bisiaux, CEO of CRYLA and CRYLA DÉVELOPPEMENT, President of MICRONORA

"Respect for others, team spirit, discipline and precision" is how Thierry Bisiaux, the CEO of CRYLA, likes to describe the core values of his company. These qualities are clearly stated in the new building, which demonstrates that concern for the quality of life in the workplace is just as important as the optimisation of production. "Since 2011, we have been working on our project with two fundamental objectives: firstly, offering our staff a functional workplace in a pleasing setting and secondly acquiring a facility that would help us to increase production and continue our development". Mission accomplished, as borne out by the sight of the

open-plan offices and spacious and well-organised workshops that have put a smile on the faces of those who work there!

The overall design is original: "The site is organised around three juxtaposed buildings, connected to each other by a wide passage" explains Patrick Pelletier, who has built it. "We preferred that solution to a large single volume because it lets in natural light everywhere, and creates a pleasing general atmosphere. It has allowed us to create functional subassemblies and optimise the internal lines of movement and communication. The system also makes it possible to easily add extensions if that is needed by the company".

### CRYLA AND CRYLA DÉVELOPPEMENT IN A NUTSHELL

■ Study, development, design and manufacturing of complex micro-technology components and subassemblies with high technology value

■ Markets: aerospace (70%), medical instrumentation and luxury goods (30%)  
 ■ 80 employees  
 ■ Turnover in 2012: € 7 million



## TELE-IMAGING AND TELE-CONSULTATION SOLUTION FOR ÎLE-DE-FRANCE

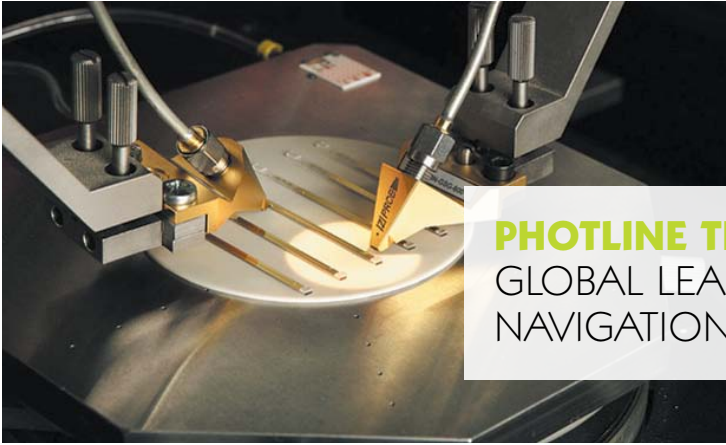
### COVALIA has won a major contract via the consortium ECC for the Healthcare Cooperation Grouping for the Development of Shared Healthcare Information Systems in Île-de-France.

■ Based in TEMIS Santé, COVALIA develops telemedicine and teliagnosis software for the industrial consortium ECC, which is now the leading French telemedicine operator. Along with the consortium, COVALIA will take part in the supply of a telemedicine platform as part of the ORTIF-Téléneuro programme, which will concern close to 100 healthcare establishments. The platform will allow medical teleconsultation, tele-expertise and tele-assistance for the specialities involved in the management of neurology emergencies. The deployed base, which will use highly advanced technology, will subsequently support other telemedicine uses.

### Contact: Covalia

Tel. +33 (0)3 81 83 21 73 • [www.covalia.com](http://www.covalia.com)





## PHOTLINE TECHNOLOGIES JOINS IXBLUE, GLOBAL LEADER OF HIGH-PERFORMANCE NAVIGATION SYSTEMS

■ Founded a little over a decade ago, PHOTLINE TECHNOLOGIES employs forty staff and designs, develops and manufactures integrated optical components and products for scientific and industrial applications intended for the telecommunications, aerospace and defence industries.

### A growth company

"iXBlue is a major long-standing customer" says Henri Porte, CEO of PHOTLINE. "From the start of our business, we have been supplying them components and modulators for their navigation systems, particularly their fibre optic gyrometers, which have now become the most precise inertial navigation instruments in the market, with applications that range from off-shore exploration to the space industry; for example, they make it possible to position a submarine robot with extreme precision during deep-sea diving, replacing the GPS system which cannot work under water". The high technology of iXBlue was also recognised by President François Hollande and Fleur Pellerin, Minister for the Digital Economy, at their recent visit to the headquarters in Marly-le-Roy. This leading group in location technology,

which achieves a turnover of € 80 million and close to 20% growth per year, now has 450 employees, 8 facilities in France and some ten facilities across the world.

### A winning alliance

"First of all, our collaboration with iXBlue has put our commercial partnership on a secure footing. On their side, procurements of optical circuits and components are entirely secured. The alliance also gives PHOTLINE a boost in international markets, with a major technological lead. Along with iXFiber, which is a department of the group based in Lannion, PHOTLINE will also constitute a new "Photonics Solutions" division. With 80 staff, that division will be the second in France in the market for fibre optic photonics, with a range of high-performance instruments and components that will be virtually unique."



**Contact: Henri Porte**  
CEO of Photline Technologies  
Tel. +33 (0)3 81 85 31 80  
[www.photline.com](http://www.photline.com)

## THE VEHICLE OF THE FUTURE CLUSTER COMES TO TEMIS

The Besançon agency of the Vehicle of the Future cluster is now based in TEMIS Center 1, close to micro-technology research laboratories and companies, and the official bodies that support innovation. The cluster is already in operation in Étupes/Montbéliard (headquarters), Mulhouse and Strasbourg and is thus reinforcing its position in Franche-Comté.

The Vehicle of the Future cluster offers companies and research institutions involved in land transport and mobility services a diversified range of services, including technology and commercial monitoring, tracking of national and European calls for projects, assistance in developing collaborative innovation projects and exploitation of results, tours of companies and exchanges, action for the improvement of the competitiveness of industrial sites or the organisation of international missions, not to mention the many themed events such as Mobilis Meetings which foster networking between members. As a reminder, the Vehicle of the Future cluster has **over 230 members and in eight years, it has led to the emergence of more than 100 research projects with a value of € 315 million, including 19 European projects.**



### Collaboration with the Micro-Technologies Cluster

With complementary areas of work, particularly as regards transport, the two clusters have been collaborating for several years by co-sponsoring innovative projects. Concretely, that takes the form of cross-participation in workgroups, or more recently, the creation of a common working group on intelligent systems for land transport, with the aim of developing an industry working on intelligent sensors, for which TEMIS is a centre of excellence.

---

**Contact: Léonard Gay** • Mission Manager • Vehicle of the Future cluster  
TEMIS Center 1 • 17F rue Alain Savary • 25000 Besançon  
Mob. +33 (0)6 77 05 54 59 • Email: [lg@vehiculedefutur.com](mailto:lg@vehiculedefutur.com) • [www.vehiculedefutur.com](http://www.vehiculedefutur.com)



# in brief

## TEMIS TECHNOPOLE

is a recognised Ultra-High Speed Business Park



### Additional productivity gains for businesses

All the companies that are developing in the technology park can now easily obtain an ultra-high speed connection.

Optical fibre connections have been deployed up to the boundaries of all plots and up to all existing buildings. New facilities can also be connected in no time, with no civil engineering costs for fibre optic installation. What is more, the digital highway connected to the GIX exchanges of Lyon and Strasbourg acquired by Grand Besançon means that businesses can use ultra-high speed connections at prices similar to those of major cities, and allows new operators to come into

the region. Against the backdrop of an increasing dematerialisation of data and exchange, fluid, fast and secure transfers represent time saving and productivity gains for all users, regardless of their size and business.

### Ultra-high speed in practice

To benefit from an ultra-high speed connection and the associated services, companies need to contact a telecoms operator who will deploy, install and maintain the access service in their premises (FTTB, fibre to the building). In the technology park, there are seven telecoms operators who can offer these services to companies.

[www.temis.org](http://www.temis.org)

TEMIS in practice section  
Tab "Ultra-High speed/Data Centre"



## EXCELLENCE IN WATCHMAKING

### Chronometry competition

The prize ceremony of the third Chronometry Competition 2013 will be held in the Time Museum of Besançon on 24 October 2013. 38 pieces are competing: 18 in the Enterprise - Traditional category, 7 in the Enterprise - Tourbillon category, 12 in the School - Traditional category and 1 anonymous entry. Organised by the official Swiss chronometer testing body (COSC), the Observatory of Besançon and the Haute Ecole de l'Arc under the supervision of the watchmaking museum of Le Locle, the competition sets global standards of excellence.

### A renovated observatory meridian building.

In 2011, the city of Besançon and Grand Besançon initiated the renovation of the meridian building of the observatory to turn it into a chronometry space with a controlled and secure atmosphere, highlight the equipment that led to the reputation of the site and receive watchmakers in a comfortable space that is suited to their customers. The new meridian building will be inaugurated on 29 October 2013.

## diary

### 6<sup>th</sup> North-East seminar on Neuro-Oncology in Besançon

18 October 2013

organised by the ONCOLIE network (regional oncology network of Franche-Comté).

Contact: Émilie Bey,  
Oncologie Oncology Network  
Tel. +33 (0)3 81 53 92 38  
Email: [e.bey@oncolie.fr](mailto:e.bey@oncolie.fr)  
[www.oncolie.fr](http://www.oncolie.fr)

### Come and see TEMIS and Grand Besançon at SIMI 2013

2 to 5 December in Paris, Palais des Congrès - porte Maillot (booth B10 - level 1)

### Innovation day in TEMIS on 17 December 2013

In its second edition, the event will give students an opportunity to meet innovative entrepreneurs and share their experience.

Contact: Julie Chettouh  
BGE Franche-Comté  
Tel. +33 (0)3 81 25 53 50  
Email: [julie.chettouh@bgefc.org](mailto:julie.chettouh@bgefc.org)



TEMIS NEWS - September - October - November 2013 - • [www.temis.org](http://www.temis.org) • Editor: Jean-Louis Fousseret • Contact: Bruno Favier • Tel. +33 (0)3 81 50 46 95 • Email: [bruno.favier@temis.org](mailto:bruno.favier@temis.org) • Technology Park Management - 18, rue Alain Savary - 25000 Besançon • Marketing SedD: Tel. +33 (0)3 81 41 46 55 - Fax: +33 (0)3 81 41 46 51 • Photos: DR - Éric Chatelain-Ville de Besançon, Jean-Charles Sexe, Olivier Perrenoud, Covalia, FAM AUTOMOBILES • Design - Drafting - Layout: JC. AUGÉ • ISSN no.: 2110-1051.

