

BESANÇON
Bourgogne-Franche-Comté
HEALTH TECH**La**
FRENCH TECH

The healthcare ecosystem merges with French Tech and integrates the HEALTH TECH France network

Editorial

The technology park's dynamism and its high level of service are the result of long-term work. Born from a political desire shared by all the local authorities since the 1990s, in 20 years TEMIS has become a true campus, a highly technological cluster, a production and engineering centre, as well as a business and residential district. The one site is now bringing together premises to house businesses, provide support functions for creation and innovation, teaching and training establishments, leading research organisations and competitiveness cluster.

Our joint and convergent policies now provide a framework and particularly the visibility needed for businesses to invest and innovate to enhance their competitiveness. This collective construction is continuing to improve the European position of the region, companies and regional research on the markets that will form tomorrow's economy. Thus after opening TEMIS SCIENCES, which accommodates teams from FEMTO-ST, jewel of French research, after delivering the PC BIO, exceptional technical platform for oncology and biology research, the BIO INNOVATION project on TEMIS SANTÉ will establish the flagship site for designing and developing new medical devices and innovative biotherapies.

We are also proud of the distinction awarded to our latest joint initiative. Carried by regional medical start-ups, our healthcare ecosystem has merged with French Tech and has therefore integrated the HEALTH TECH France network alongside the major clusters such as Strasbourg-Alsace, Lyon, Aix-Marseille or Montpellier. This accreditation will provide Bourgogne - Franche-Comté start-ups high added-value services essential to medtech and biotech businesses. These sectors make perfect sense here in Besançon, where cellular and genetic therapies are combined with micro-technologies in healthcare.

Jean-Louis Fousseret,
President of TEMIS



P 2-3
TEMIS, accelerating growth for 20 years

P 4
Micro-Technologies Cluster: 2 new clusters

TEMIS, ACCELERATING GROWTH FOR 20 YEARS

Created 20 years ago from the desire of local authorities to support the redeployment of watchmaking expertise in new markets such as medical, aeronautics and aerospace or ticketing, the TEMIS technology park covers 250 ha and now brings together more than 120 technology or service companies, leading research institutes, engineering colleges and the Bourgogne - Franche-Comté University Research & Training Centre.

Since its launch in 1996, the TEMIS technology park has built an environment dedicated to innovation and is now regional micro-technology showcase accredited by French Tech!

Industrial companies, researchers and students now find all the resources needed to carry out their projects.



View of the Avenue des Montboucons, towards Rocade



🕒 2002

Only the Lycée Ledoux existed before.
CFAI was under construction; it would open in 2003



🕒 2006

Temis Innovation – House of Micro-Technologies opened
A 6,700 m² building to contain the company incubator, nursery and hotel is direct contact with the researchers and engineers of the FEMTO-ST technological platforms, particularly with its cleanroom offering 450 m² working space.



2016

19 ha marketed (16 available)

95,000 m² developed; 8,400 m² to come and 4,500 m² in design

125 companies providing 2,600 jobs, of which 90 businesses provide 1,250 jobs.



1996

A public-private manufacturing entity was created in July between Besançon, Grand Besançon District Council, Department, Region and Doubs Chamber of Commerce to layout and develop a 75 ha park dedicated to innovation using micro-technologies.

2013

Since it was opened, almost 60 companies have been supported in TEMIS Innovation – House of Micro-Technologies

TEMIS Centre 1, 2, 3 and 4, as well as the Artemis park, cover almost 15,000 m² of premises providing services to businesses.





MEDICINE OF THE FUTURE: THE HEALTHCARE ECOSYSTEM MERGES WITH FRENCH TECH

Carried by about forty medical start-ups in the region and supported by the City, TEMIS and the Micro-Technologies Cluster, the application by *Besançon Bourgogne Franche-Comté Medtech Biotech* merges with French Tech in the field of medical innovation. This is a powerful recognition of the innovative and creative capacity of the region's start-ups, in the field of medical devices but also innovative therapies.

Recognition

In recent years, the region's healthcare ecosystem has encouraged the emergence and development of many research and medical innovation projects. Some have given rise to innovative young companies that are contributing to developing innovative devices or therapies that are already shaping the future of medicine. It is these companies that, with public bodies and the worlds of education and research, have supported an application for French Tech national accreditation.

For nearly a year, researchers, business leaders, 'start-ups', competitiveness clusters and investors, supported by the Region and the CAGB, have participated in drawing up a three-and five-year strategy aiming to further strengthen this emulation, stimulate

new projects, anticipate needs and finance projects. And now the French Tech accreditation confirms the innovative potential of this network.

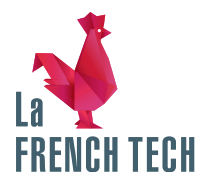
Dynamic

More than a team, it is really a new dynamic that is driven by a group of start-ups steering the French Tech strategy across the region. They have one aim: to do everything they can to ensure projects involving medical technologies and innovative therapies emerge, are structured then grow as quickly as possible to create value and jobs. The fact of becoming a member of the French Tech healthcare network will enable local start-ups to develop new international collaborations and to reach new markets, so accelerating their growth.

In the next five years, almost 5 million euros of public money, supplemented by private investment, will be mobilised to offer the facilities, premises, networks, etc. essential to creating start-ups and to the rapid development in global markets.

Contact: Micro-Technologies Cluster
E-mail: p.vivien@polemicrotechiques.fr

BESANÇON
Bourgogne-Franche-Comté
HEALTH TECH



MICRO-TECHNOLOGIES CLUSTER: ESSENTIAL PLAYER IN INNOVATION AND INDUSTRIAL DEVELOPMENTS

Objectives achieved for the Micro-Technologies Cluster

The results from the midterm audit of the performance contract signed in 2014 were released in June. 85% of the objectives are achieved, particularly financial targets, as emphasised by Étienne Boyer, President of the Cluster: *"the Micro-Technologies Cluster is performing well with private finance representing nearly 50% of resources and a positive result for the last two financial years"*.

Another strength identified by the audit: the Cluster is recognised as a major player in the regional ecosystem. *"This was our aim but it was good to hear it from an outside auditor"*, rejoices Étienne Boyer.

"On this point, it should be remembered that by having enabled the accreditation of 286 innovative joint projects worth a total sum of more than €400m, the Micro-Technologies Cluster will have facilitated raising funds of nearly €200m for research and innovation in regional businesses", adds the President. "And even more in the SMEs and VSEs that we are guiding to undertake an innovative approach and we are putting as many as possible in contact with researchers and higher education establishments".

Two new clusters coordinated by the Cluster

As part of these strategic areas of action, the Cluster is focusing on developing two specific markets: on one hand healthcare and on the other aeronautics, aerospace and defence.

■ Initiated and steered by businesses, particularly members of the medical commission of the Micro-Technologies Cluster, **Innov'Health** is the new Bourgogne – Franche-Comté healthcare cluster. Innov'Health brings together businesses from healthcare and the worlds of research and regional education,



involving major players such as the Bourgogne and Franche-Comté University Hospitals, the French Blood Transfusion Service or ARS, around the Technology Park, the ISIFC, the Gerontology Cluster, BFCare and the TIS Cluster in Belfort. **This cluster, created by businesses for businesses, is mobilising all the expertise in Bourgogne – Franche-Comté to construct the medicine of the future focused on people and to develop the associated products and services.**

■ **Aeromicrotech** is the other emerging cluster coordinated by the Micro-Technologies Cluster. Arising from the Cluster's, aeronautics, aerospace and defence commission, the new cluster will be officially opened on 28 September 2016 during Micronora. It will be led by the 'aeronautics' cluster that already has a dozen companies around the leader, ECE ZODIAC. *"In particular, the cluster should enable businesses to come together for greater strength and more easily take part in major national programmes, whether originated by GIFAS (French aerospace industry group) or major customers", explains Pierre Vivien, Cluster Director. "This will also give businesses the possibility to take part in certain projects of other international clusters, such as Pegasus. We now have nearly 100 companies that are members of the Cluster and may relocate to the Cluster"*.

➔ MICRO-TECHNOLOGIES CLUSTER IN 2015, KEY FACTS

145

members, including **113** businesses; **27% rise** in membership over 3 years

24

projects accredited in 2015 worth a total of **€35.4m** (27 businesses and 40 research organisations involved)

19

partnerships with national, European and international clusters

7

permanent staff in the coordinating team

€0.7M

operating budget including **nearly 50%** from private resources

Contact: Micro-Technologies Cluster
Fany Chedevergne, Innovation Advisor
E-mail: f.chedevergne@polemicrotechniques.fr

A NEW MEDICAL BUILDING ON TEMIS SANTÉ

The new property development programme dedicated to medical services will cover a total of 3,000 m², constructed in 2 phases (a 1st of 2,000 m² and a 2nd of 1,000 m²). Located at the corner of Rue Milleret and Rue Paré, close to the University Hospital, the Cancer-Biology cluster, the EFS (French Blood Transfusion Service) and the Medicine-Pharmacy UFC (Research & Training Centre), this programme responds to demands from the healthcare professions, particularly specialists or young hospital doctors who want to develop their activities on a site near the hospital. The premises should be available during 2018. They will be offered for sale or lease.

Contact: Gilles Pétrement, sedD

Tel. +33 (0)3 81 41 86 69 • E-mail: g.petrement@sedd25.fr



BIO INNOVATION

The new property development programme covering 3,600 m², intended to be the "flagship" at the heart of the TEMIS Santé Technology Cluster, is wholly dedicated to innovative projects in the fields of medical devices and biotherapies.

The site is intended to bring together major players on this field (EFS, University Hospitals, UFC, ISIFC, etc.) promoting exchanges between researchers, practitioners, students and industrial companies to make the most of their work, accelerate innovation-transfer activities and create start-ups.

Conceived around an open innovation platform offering services and expertise in project engineering with technical spaces (molecular and cellular biology labs, project rooms for medical devices, 3D-printing area, etc.), the building also offers reception areas and services for seminars, show-room and colloquia. Several floors covering about 2,000 m² are intended to provide leasehold accommodation for innovative companies offered by Aktya. Scheduled delivery: summer 2018.

THE VILLAGE BY TEMIS

Work on the first phase of the Business Village is beginning. Dedicated to production activities for technology companies, the first programme of 1,000 m² offers small modular units to lease or buy, from 70 m² (100 m² with mezzanine).

The programme is designed to offer a wide choice of options to layout or combine units depending on activities and needs. Located in Rue Syamour, soon to be linked to Rue de Chaillot, the Village's first premises will be available at the end of 2017. This programme is managed by Aktya.

Contact: Aktya commercial department / sedD

Tel. +33 (0)3 81 41 86 69





INNOTECH: A NEW ENCLOSURE FOR HIGH VALUE TECHNOLOGICAL ACTIVITIES

This new industrial and scientific service sector programme offers top-of-the-range contracted services for micro-technology and nano-technology businesses or for high-precision expertise for luxury goods. Located close to TEMIS SCIENCES, laboratories and the FEMTO-ST research teams, the premises are designed to accommodate highly demanding activities requiring cleanrooms or controlled environments. The preliminary design phase of this programme, covering nearly 2,500 m², has started.

Contact: Gilles Pétrement, sedD

Tel. +33 (0)3 81 41 86 69 • E-mail: g.petrement@sedd25.fr



POLYCAPTIL CONSTRUCTION BEGINS

Specialised in electronics, opto-electronics and mechatronics, Polycaptil was set up on TEMIS to be at the heart of technology and develop the group's R&D activities. Construction work is beginning. Delivery of the building is scheduled for summer 2017.

16 MINUTES TO CONNECT TEMIS TO VIOTTE STATION

Work on the '3 plus line' is complete. The public transport service on dedicated land offers the best service from the La Bouloie campus located on the technology park, particularly at teaching start and end times. The optimised route puts TEMIS 16 minutes from the town centre and Viotte station.

Contact: CAGB • Tel. +33 (0)3 81 87 88 89

www.grandbesancon.fr



VIX TECHNOLOGY: A 20-MILLION-EURO TICKET

A specialist in public transport ticketing systems, Vix Technology was selected by the Brussels public transport company (Stib) to modernise its system. A contract worth €20m over ten years, comprising two years for implementation and eight for operation.

Gradual migration

To meet the requirements of Stib, which wanted an upgradable platform able to integrate future technologies easily, Vix Technology offered gradual migration of the system, by installing software engines that can be integrated into existing equipment. Management of customer accounts, ticket validation and payment by smartphone and contactless bank cards, statistical data-mining, etc., the migration of the current system by Vix Technology will ultimately bring new services to travellers and the operator.

The Besançon site designated as one of the group's three development clusters

The Brussels contract illustrates the strategy of the global group, switching from a project-based approach to a product approach to capitalise on its developments and improve its standards. In this new strategic plan and emboldened by its success, the Besançon site is strengthened; it now comprises one of the three product development clusters in the world, with Cambridge in the United Kingdom and Perth in Australia. Pleasing recognition for the 190 employees at the French subsidiary in Besançon.

Contact: Vix Technology • Tel. +33 (0)3 81 40 11 40

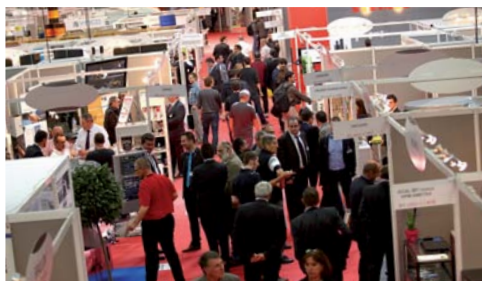
E-mail: fr.info@vixtechnology.com

www.vixtechnology.com

in brief

MICRONORA 2016:

Focus on technology transfer



27 - 30 September

Besançon Exhibition Centre

Find the complete Micronora programme and get your free badge: www.micronora.com

"This has been organised by taking a very pragmatic approach, based on given giving many examples of successes", says Michel Froelicher, Vice-President of Micronora and Focus organiser.

"Successes that are represented by the development of numerous spin-offs from research and in SMEs opening to innovation by association with public research centres". In total, visitors are offered about forty exemplary achievements, mainly from French research.

Of particular note on the CEA stand is the Minatéc showroom presenting six remarkable transfer examples.

Project bank

The Focus also includes a project bank. In addition to taking stock, MICRONORA wants to found solid relationships between researchers and SMEs. It has formed a partnership with the network of Carnot Institutes to put forward projects derived from research, but that are waiting for industrial partners.



not to be missed

TEMIS, partner of the seminar dedicated to **Connected Objects and Healthcare applications (OCS)**

The second OCS seminar, being held at Dijon on 4 October 2016, will be particularly concerned by the societal conditions needed to develop the market of connected objects and healthcare applications. The seminar will take a sociological look at the emergence of these new technologies through the patient-doctor link.

TEMIS and the Innov'Health cluster supported by the Micro-Technologies Cluster are partners of this show, which will also present different company successes in the field of e-healthcare.

For more information and to register: www.ocsdijon2016.fr

diary

30 Nov. - 2 Dec.

Paris

SIMI 2016

TEMIS and Greater Besançon will attend the national meeting of business property in Paris, from 30 November to 2 December 2016. An opportunity to highlight offers from the region in front of 25,000 professionals in the sector. Welcome to the stand (hall, level 1 – stand B10).

For more information: www.salonsimi.com

BioFIT, the business conference for innovation in life sciences

After the success of its 4th show in Strasbourg, BioFIT returns to Lille on 30 November and 1 December 2016. Certain leaders, such as Boehringer Ingelheim, Eurofins, GSK, Ipsen Innovation, LFB, Graz Medical University, the Max Planck Institute, Novo Nordisk, Pfizer, Roche and Sofinnova Partners have already confirmed they will attend. For the 5th show, BioFIT will bring together nearly 1,300 participants (pharma, biotech, in vitro diagnostics and R&D

services, but also technology transfer companies, academics and investors). The different times of the event will enable them to form new partnerships, encourage the development of public/private projects and intensify the flow of licences. As a partner of the event, TEMIS offers a special price for registration.

*More information: www.biofit-event.com
Contact: bruno.favier@temis.org*



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• www.temis.org • Editor: Jean-Louis Fousseret •
Contact: Bruno Favier • Tel. +33 (0)3 81 50 46 95 •
E-mail: bruno.favier@temis.org • Technology Park
management – 18, rue Alain Savary -
25000 Besançon, France • SedD Marketing:
Tel. +33 (0)3 81 41 86 69 - Fax: +33 (0)3 81 41 46 51
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