



MiMédI, the major investment project for medicine of the future

Editorial

TEMIS is entering a new transformation cycle led by technopolitan organisations: companies, laboratories and training centres are contributing actively to it, with support from local authorities, the French government and Europe.

A new generation of entrepreneurs is emerging from the research world - in TEMIS Innovation they find the resources and expertise to aid their success.

The Burgundy-Franche-Comté Incubator, the ProPulseur competitiveness accelerator, French Tech... all work together in this direction and by operating as a network they benefit project sponsors.

Applying the excellence of our research institutes to meet industrial challenges is also an undeniable factor for innovation and development.

The beginning of February highlighted the collaborative MiMédI research programme.

It brings together Femto-ST, EFS and industry in the Besançon basin to optimise bioproduction processes and so promote development of innovative medicinal treatments using micro-technologies.

No doubt that these outcomes will result in the emergence of new activities and new businesses in Besançon, Burgundy-Franche-Comté and far beyond.

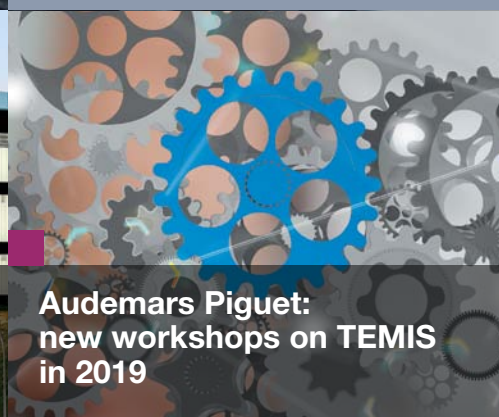
To encourage them to establish in Besançon, new building programmes are underway with INNOTECH on TEMIS Microtechnique and BIO INNOVATION on TEMIS Santé. More than just buildings, alongside business investments, these programmes are shaping a new environment for the future of our economy.

This multi-faceted dynamic reflects diverse public and private companies; it is a major driver for growth and it makes sense on TEMIS.

Jean-Louis Fousseret,
President of TEMIS



Focus on new companies



Audemars Piguet:
new workshops on TEMIS
in 2019



AUDEMARS PIGUET: NEW WORKSHOPS AT TEMIS IN 2019

Audemars Piguet watches are among the most prestigious in the world. It is not 18 years since the Swiss watchmaker set up an after-sales service facility in Besançon. In spring 2019, the Swiss watchmaking brand will transfer its activity and 25 employees into its own premises on TEMIS.

LAMSTER, THE START-UP REINVENTING HR MANAGEMENT IS BORN

Created at the end of March 2017 by Valentin Lamielle and William Gilbert, SAS Lamster has been marketing an innovative software solution for human resources management since the end of 2017. *"It's originality lies in the employer-employee relationship, making our system possible."* In fact, once entered in the secure database by the Besançon start-up Géoïde Crypto & Com, the employee can report lateness or absence, but also indicate availability outside working hours and be recruited by another company. *"This makes it possible to optimise human resources management in business sectors such as the hotel or restaurant trades, where staff turnover is high."* After the incubator, Lamster is now housed in the TEMIS nursery and the Village by CA to continue benefiting from an ecosystem that encourages its development. Growing quickly, the company is recruiting for permanent positions and plans to offer its service to other sectors such as the construction industry, fast-food or mass food distribution.

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WELCOME TO AOMSYS, SPECIALIST IN MECHATRONICS

AOMSYS is a company specialised in the development and industrialisation of specific electronics devices, created at the end of 2017 by Hervé Delabre. Trained as an electronics engineer and with thirty years' experience in the field, he offers consultancy and product management services by the hour, and intends to develop his own products, particularly medical devices.

I am committed to projects in France and internationally. For the moment, I am working particularly on projects for medical devices, but I can get involved in developments in the transport sector, safety or any other project including electronics with a specific specification. "The young general manager's aim is to design and industrialise his own product. *"But to do that, I have to organise and finalise the involvement of industrial partners in this project."*

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PHENOMEN, MASTER OF ITS TIME

Illustration of the French watchmaking revival, Phenomen has continued its progress since the company was created in spring 2017. The arrival of a new partner, Sylvain Nourisson, has enabled Phenomen to get closer to its objective by designing a 100% in-house movement. The duo formed with founder Alexandre Meyer is planning to promote French creativity by presenting its first creation at Baselworld at the end of March.

This ambitious project found all the technical and financial support needed for its launch in the local ecosystem. Housed until now in the TEMIS nursery, Phenomen has taken flight and now occupies its own premises in Besançon. With a renewed and strengthened team – Maxime Colson, prototype watchmaker responsible for assembling the first pieces for Baselworld and Laetitia Meynet, management assistant, who maintains high daily energy levels in the company – Phenomen is following the score and will soon unveil its first watch.

They will be at Baselworld (22-27 March), the global watchmaking and jewellery show, held every year in Basel.

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USIGEP FINALLY MOVES IN

Subcontractor in sub-assembly machining, USIGEP designs and manufactures high quality metal parts for watchmaking, jewellery and prototyping of medical devices. Since 2014, this specialist in single pieces and small production runs has been located on two sites (Chemin de l'Escale and TEMIS Innovation). *"The business could not be best managed with multiple sites. So I decided to invest in a bigger and more functional building, set within the micro-technology park."* And so at the end of 2017, after 10 months' work, USIGEP moved into Rue Syamour, into its brand new 850 m² premises.

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TRENDY ELEMENTS IS GROWING

As a creator, manufacturer and distributor of watches, the growth experienced by the Besançon company led its General Manager, Jean-Charles Amrane, to invest in new premises. *"We have new customers and extra employees. We needed more space for stock, but also for offices so that no-one feels cramped."* In order to *"stay focused on his business"*, the company head appointed Sedia to oversee the construction site as project manager. The company should move in during March 2018, practically a year after starting the work.

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TEMIS Innovation

MIMEDI, COMBINING MICRO-TECHNOLOGIES AND LIFE SCIENCES FOR THE MEDICINE OF THE FUTURE

Collaborative project included as part of the intelligent specialisation programme (RIS3) initiated in 2014 by EFS, MiMédi ('Micro-technologies for innovative medicines') aims to create a robot capable of manufacturing, at the patient's bedside and using the patient's own cells, a personalised drug to treat diseases (cancers, inflammatory diseases) that are currently incurable or for which treatments designed using chemical medicine are ineffective or non-existent.

Produced using cells taken from the living being, multiplied in vitro and given new functions, these innovative drugs – called 'Medi' – are very expensive. In reality, making them requires time and a controlled-atmosphere environment that can only currently be created in a cleanroom. *"The idea is to automate manufacturing of these drugs using an hermetically-sealed bioreactor that conducts the various production steps safely and ensures the processes are reproducible"* explains Olivier Lehmann, Femto-ST research engineer.

In addition, manufacturing this new type of medicine brings its own new problems, such as the need for more specific cell selection.

MiMédi began officially on 8 February 2018. The special nature of this very ambitious project brings together two fields of regional excellence, engineering science – by way of micro-technologies (microfluids, acoustic, vision, automation, nano- and micro-technologies), and cellular engineering. Comprising 6 industrial companies and 5 academic departments, the project expects to occupy 50 to 70 full-time equivalent positions over 4 years. ILSA, industrial sector head of the consortium, will be responsible for designing the technological manufacturing demonstrator of a Medi as well as its industrialisation.

- Investment: €13.6m (€10.2m from FEDER)
- Duration: 4 years
- Location: Grand Besançon
- Industrial sector head: ILSA



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Project participants



With regional European development funds (FEDER)

in brief



Arnaud Marthey, AER BFC President

The Burgundy-Franche-Comté Regional Economic Agency, working together with businesses and regions

Arising from regional reform and the change to large regions, economic development, which was led by the ARD in Franche-Comté and by the ARDIE in Burgundy, now has a new dimension with the creation of the AER BFC (Agence économique régionale de Bourgogne-

Franche-Comté). Promotion of industries, location, prospecting, innovation and project support are all fields of action that AER BFC will invest in to benefit businesses and the region.

Since 1 October 2017, the new business unit has been organised to fulfil its asserted mission, among businesses and regions, as part of implementing the regional strategy (SRDEII). *"We are wholly mobilised with this desire to start a business to face up to the strategic challenges arising from the missions that the Region and our shareholders have entrusted to us. To do this, we are driven by a true spirit of cooperation and collective success. This is the essential condition to make Burgundy-Franche-Comté a land of economic success," asserts Arnaud Marthey, AER BFC President.*

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DECA BFC, a facility available to creating innovative businesses

The 'Burgundy-Franche-Comté Academic Entrepreneurial Association' (Dispositif d'Entrepreneuriat Académique de Bourgogne-Franche-Comté, or DECA-BFC) was created by the Burgundy-Franche-Comté higher education and research establishments on 17 November. Based in Besançon (TEMIS) and Dijon (Maison Régionale de l'innovation), this organisation is intended to provide individual support for projects led by researchers or students to create innovative companies, by means of a business officer and a company head. *"This organisation has multiple aims. As a facility available to higher education, research and healthcare establishments, it will involve the economic world, will be an entirely separate partner from local authorities yet form part of a true network, and will work closely with those involved in the innovation ecosystem," explains François Roche-Bruyn, DECA BFC President.*

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François Roche-Bruyn,
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programme

LES JOURNÉES
GRANVELLE
Besançon 20-21 mars 2018
Economie - Innovation - Société

20 and 21 March / Besançon

Granville Days

Grand Besançon, in partnership with the Doubs Chamber of Commerce and Industry, organises 'Granville Days' that take place in spring every year at Besançon, based around a guiding theme seen from different perspectives: economic, scientific, sociological, artistic. This second 2018 edition will cover the dizzying but urgent question of **"Artificial intelligence, serving citizens and businesses?"**

Come to the Maison de l'Économie -
46, avenue Villarceau

For more information:
www.journees-granville-besancon.fr

BASELWORLD

22-27 March / Basel - Switzerland

Baselworld

Baselworld, the global watchmaking and jewellery how, welcomes the world's biggest watchmaking and jewellery brands. Spend 6 days previewing the innovations and creations of world-renowned watchmakers and jewellers.

For more information: www.baselworld.com

SIAMS

17-20 April / Moutier - Switzerland

SIAMS

Led by the Burgundy-Franche-Comté Chamber of Commerce and Industry, a consortium of 15 companies will attend the trade show dedicated to micro-technology production resources. Manufacturing of precision tools, precision turning and modelling design represent some of the expertise to be discovered during this 4-day exhibition.

Come to Hall 1.2, reception stand F 10-3.

For more information: www.siams.ch

MedFIT
Partnering innovation in medTech

26 and 27 June / Strasbourg

MedFIT

Attending the first international business congress dedicated to partnership-based innovation in the medical sector, the TEMIS technology cluster is organising a consortium with the INNOV'HEALTH cluster. An opportunity for its members to source new business streams, partners and experts. Special prices are offered for companies from the Burgundy-Franche-Comté region.

Find out more
contact@temis.org / www.medfit-event.com