

TEMISnews

ISSUE 54

SEPTEMBER /

DECEMBER 2017

www.temis.org

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

Welcome to the land of technological innovation

Editorial

Watchmaking has led to expertise in microtechnology, and TEMIS Innovation-Maison des Microtechniques (TIMM) has led to the emergence of some sixty young innovative companies, which give us much pride today. Operating in the markets for robotics, microsystems, aeronautics, luxury goods, healthcare and telecommunications, they are revolutionising industry and fashioning the future with their technological solutions.

As the iconic seat of technological entrepreneurship inaugurated in 2006, TIMM allows the materialisation of projects derived from research, and much more: it is also a place that is open to managers, students, researchers and industry, who all find in it an environment that is conducive to enterprise and innovation.

That is the spirit in which the first marathon for innovation in healthcare was organised in October 2017. The Hacking Health event in Besançon brought together over 200 participants for 60 hours to address the 14 challenges identified by practitioners, carers' organisations and patients themselves. It resulted in several concepts that provide as many areas of innovation.

Open innovation and innovation in networks have found a new home in our region: the Village by CA that is operational since February, the enterprise workshop and the Palente nursery constitute centres providing resources and systems that feed each other that give our entrepreneurs the best chance of success.

Shorter circuits and the expertise and skills of the players in the region are key factors for a good outcome: TEMIS Innovation-Maison des Microtechniques, which brings them together for the industry of the future, and in early 2019, BIOINNOVATION will organise others, designed specifically for the medicine of the future and the Health Tech network of French Tech.

Jean-Louis Fousseret,
President of TEMIS



TIMM DOSSIER
An ecosystem for
enterprise and innovation



PERCIPIO ROBOTICS:
Deep tech made in TEMIS

TEMIS
BESANÇON
TECHNOPOLE MICROTECHNIQUE & SCIENTIFIQUE

TEMIS INNOVATION – MAISON DES MICROTECHNIQUES,

THE RESOURCE PLACE FOR ENTREPRENEURSHIP AND TECHNOLOGICAL INNOVATION

TEMIS Innovation-Maison des Microtechniques (TIMM) is at the heart of the system for supporting innovative entrepreneurship developed by Grand Besançon in the TEMIS industry and science park, specialised in high technology and microtechnology.

Innovation

- Strategic diagnosis
- Advice
- Search for industrial and academic partners (laboratories, technology platforms)
- Assistance for development
- Marketing

Networks

- A place for exchange and partnership between research and industry
- Breakfasts, themed days, exchange days
- Network of entrepreneurs and experts
- Federation of microtechnology companies
- Healthcare (Innov'Health) and aeronautics (AEROμTECH) clusters

Entrepreneurship

- Business plans and economic models
- Personalised coaching,
- Training pathways
- Mentoring
- Challenge

In a stimulating environment that is conducive to development, TIMM offers a range of services to support the emergence, creation and development of innovative technological activities.

In a building covering 7,500 m², all the resources for innovation through microtechnology are brought together.

Within the TEMIS ecosystem, TIMM is an iconic place that supports the **French Tech** dynamic in the field of medical technology for the medicine of the future.

KEY FIGURES

Since 2006

60
incubated projects

61
companies accommodated

400
jobs created

Technology engineering

- Monitoring
- Expertise
- Platform/Clean rooms
- Design/Manufacturing engineering
- Pilot runs

Property and services available

- Offices, workshops and clean rooms to let
- Co-working spaces
- Reception, secretaries, etc.
- Meeting rooms, video conferences

Financial engineering

- Fund raising strategy
- Optimisation of innovation assistance
- Search for partnerships (business angels, seed capital, venture capital, development funds, etc.)

Incubation

PROJECT MATURING (3 TO 18 MONTHS)

This is when project initiators from public research are received and accommodated before they set up their business. Incubation makes it possible to exploit the results of research by giving the project concrete form, providing it is innovative and has a technological dimension.

Business nursery

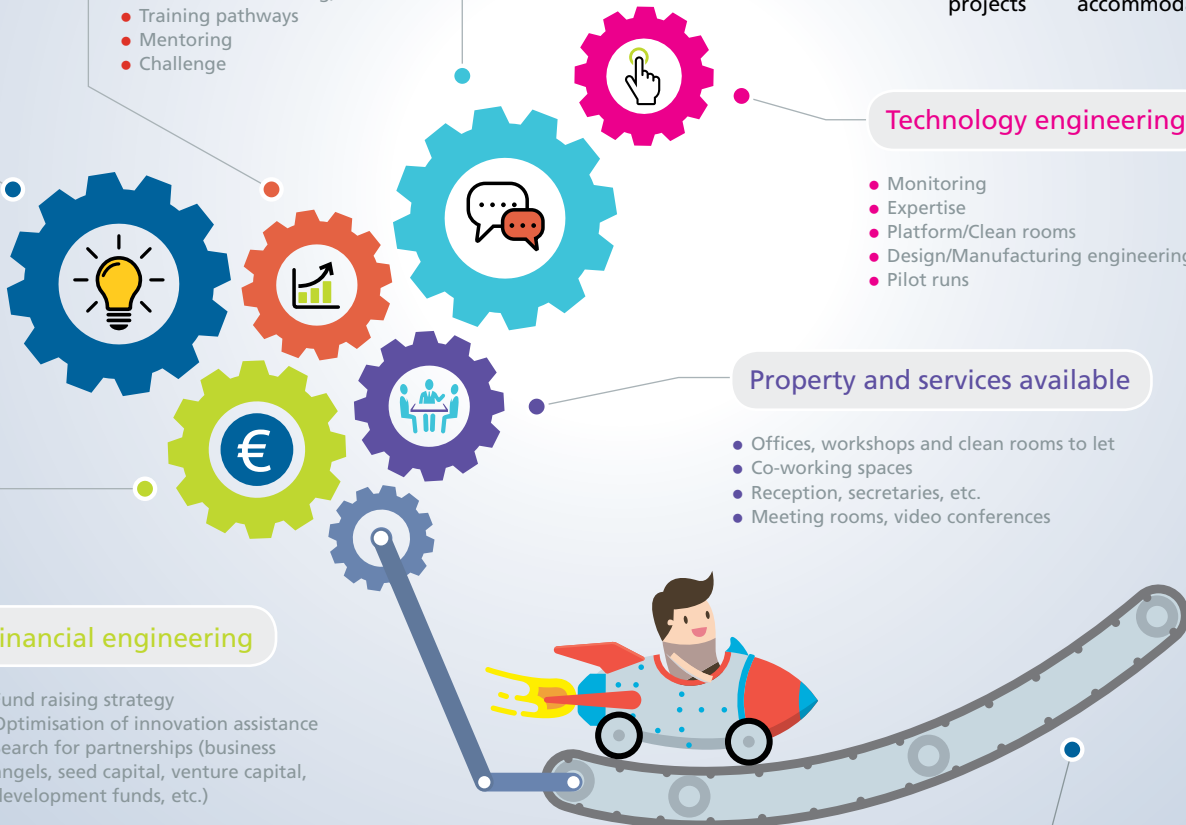
SETTING UP AND STARTING UP (2 TO 4 YEARS)

Under the management of BGE, it facilitates the starting up of young companies by giving them premises for attractive prices, a range of services and individual support for the new entrepreneur.

Company hotel

DEVELOPMENT (3 MONTHS TO 4 YEARS)

This supplements the nursery, offering companies that are already viable premises and services for a period suited to their project.



FEMTO-ST

FEMTO-ST is the largest research centre of the national centre for scientific research in the field of engineering sciences. It is specialised in multidisciplinary research that is open to businesses, and offers its expertise and resources in microfabrication and clean rooms for the development and preliminary engineering of miniaturised systems for areas such as energy, transport, healthcare, telecommunications, space, instrumentation, metrology and luxury goods (watchmaking and jewellery).

1360 m²

of premises, **865 m²** of which in ISO class 5 to 7

MICROTECHNOLOGY COMPETITIVENESS CLUSTER

The **microtechnology cluster** brings together industry, laboratories and higher educational institutions specialised in microtechnology. The cluster is a true product factory, supporting its members for preparing the market release of innovations resulting from collaborative R&D projects that it has allowed to emerge and monitored on behalf of its members.

Its main tasks are:

- Innovation: project development till the product is marketed;
- Finance: assistance in funding and financial arrangements for projects;
- Business and networking: contacts with industrial partners;
- Competitiveness: integration in expertise groups.

For each of its priority markets, it has a cluster: **INNOV'HEALTH** for healthcare and wellbeing; **AEROμTECH** for aviation, space and defence.

320

innovation projects that have approval since 2005, with a budget of approximately €500 million

160

members in 2017

PROPULSEUR

The cluster is a member of the Health Tech national network of French Tech, and manages a system to boost innovation named Propulseur. It allows young companies, start-ups and innovative SMEs to benefit from tailored support to speed up the marketing of the products and services developed by them.



RESEAU ENTREPRENDRE IN FRANCHE-COMTÉ

Réseau Entreprendre is an organisation of entrepreneurs dedicated to supporting and financing entrepreneurship and recognised to be in the public interest.

- **assistance in project preparation and validation** before the business is set up or taken over;
- **mentoring**, for the first two or three years of the entrepreneur's new job;
- **collective support**;
- **opening of networks** so as to save time when the business is starting up.
- **loans** (from €15K to 50K).

40

projects being supported

2150

jobs created or saved in five years

120

company directors

€35,000

loan per winner

NUMERICA

This digital cluster of Burgundy Franche-Comté is tasked with promoting the use of digital technology by SMEs by supporting them in their digitisation efforts.

BGE FRANCHE-COMTÉ

Specialist of support for the creation of companies, it manages the hotel nursery of TIMM. With its BG e-nov system, it offers advice and expertise for a successful launch of new activities to support ProPulseur.

BIO INNOVATION

4,000 m² for the maturing, transfer and economic exploitation of the results of healthcare research.

The French blood bank, University of Franche-Comté and ISI FC offer their platforms and expertise in science and regulatory affairs to initiators of projects that innovate in biotherapy and medical devices.

Spaces for co-working, conferences and seminars and show-rooms to support practitioners, industry, researchers and students in their efforts for exchange and innovative projects.

Bio Innovation

TECHNOLOGY SUCCESS STORIES AND PROJECTS UNDER DEVELOPMENT IN TEMIS INNOVATION-MAISON DES MICROTECHNIQUES

- | | | | | | | |
|------------------------|-------------|------------|-------------------|---------------------|---------------|------------------|
| • AJ Solutions | • CISTEO | • FLEXIO | • LAMSTER | • PERCIPIO ROBOTICS | • SILMACH | • VARIAPOWER |
| • APEX Biosolution | • CPLD | • FLOWDIT | • LOVALITE | • PHENOMEN | • SMALTIS | • VIX Technology |
| • ART | • CM Drônes | • GEOIDE | • MC ROBOTICS | • PROVISKIN | • SMARTESTING | • ... |
| • AUREA Technology | • CREATECH | • HIPTTEST | • MYOPOWER | • SCREENCELL | Solutions | |
| • CHIRURGIE Innovation | • ERDIL | • IMPACT | • ONE FIT Medical | • SHINE Research | • USIGEP | |

in brief

Percipio Robotics: **deep tech made in TEMIS**

Using deep tech derived from the CNRS/FEMTO-ST research laboratory, Percipio Robotics operates in the field of robotics and cobotics, and develops industrial systems for micro-manipulation and micro-assembly. Founded in 2011 by David Hériban, Percipio Robotics is a pure product of the technology park.



It all began in 2008 for this engineer who is a graduate of the Ecole nationale supérieure de mécanique et des microtechniques (ENSM).

David Hériban was an engineer with a research contract within the **research laboratory FEMTO-ST**. *"We had just developed a research prototype for micro-manipulation. I wanted to see if the machine was applicable to industry", he says.*

With support from the **Exploitation department of the University (SAIC), CNRS and FEMTO-ST, the project entered the incubator in August 2009**. For eighteen months, work was focussed on making the project viable: market studies, search for funding, search for partners, filing of patents, etc.

In June 2010, success in the **I-LAB** contest (winner in the creation and development category), allowed the young company to go further and develop a new prototype adapted to industry, with the integration, at this point, of the robot animation/programming part.

With support from **BGE**, David Hériban entered the **company nursery** in February

2011 and founded Percipio Robotics. As time went by, his team grew and he was increasingly stepping into the shoes of a sales rep to explore the needs of industry and promote the expertise and innovative solutions of the company (fairs, networking, etc.). Percipio Robotics continued to take part in contests to raise its profile and also to continue its adventure.

Thus, in 2012, the young company started collaborating with the **FEMTO-ST institute**. For four years, research was conducted to address one of the requirements of industry: *"designing a robot that is fast and also accurate"*. At the end of the programme, the results were conclusive, and work continued.

By late 2016, success at last: Percipio Robotics got its first order for complete industrial machines.

In order to meet the needs of his customer, David Hériban invested in premises in the technology park with a controlled-atmosphere workshop required for manufacturing the machines. Still accommodated in part at the **company hotel up to 2019**, he plans to continue to develop his company not far from where it all began.

I am not sure I would have made it so far without this ecosystem. For me, that closeness and complementary expertise were the vectors of my success as an entrepreneur. I was able to evolve, without losing my project focus, and without worrying about logistics.

Contact: **Percipio Robotics**
contact@percipio-robotics.com

programme

28-29 November

Strasbourg - France



Biofit
FOSTERING
INNOVATION
& TRANSFER
STRASBOURG 2017 - FRANCE

Biofit 2017

For its 6th year, the business convention will be back in Strasbourg from 28 to 29 November 2017. As the top event in Europe in the area of technology transfer, collaboration between academia and industry and early-stage innovations in the area of life sciences, Biofit brings together over 1,200 international healthcare players every year (*pharmaceutical companies, emerging biotechnology, professionals of technology transfer, research institutes, pre-clinical CROs and pre-seed/seed/ Series A investors*) who wish to initiate new partnerships.

Through a programme that combines pre-qualified meetings, conferences, round table meetings, exhibition spaces, presentations of start-ups and networking evenings, Biofit makes it possible to source innovations early on, promote the emergence of collaborative projects and intensify the flow of licences.

As a partner of the event, TEMIS offers a special price for registration.

Contact: bruno.favier@temis.org
Website: www.biofit-event.com
Twitter: @BIOFIT_EVENT

6-7-8 December

Conference centre -
Paris - France



SIMI 2017

TEMIS and Greater Besançon will attend the national business property fair in Paris from 6 to 8 December 2017. It is an opportunity to promote offers from the region to the 25,000 professionals in the industry. Welcome to the booth (Level 1 - Booth B10).

For more information:
www.salonsimi.com

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