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Innovative partnerships: Our response to the crisis!

By Stéphane BONE, Techtera Projects Manager

The **funders monitoring committee**, which provides an update on current projects supported by Techtera, was successfully held at the end of 2020; for the first time by videoconference.

Fifteen projects, concerning **a wide variety of markets** ranging from transport to public works, including protection and security, were reviewed. The **average project budget** (FUI, PIA, R&D Booster and PSPC) varies from **€1 million for R&D Booster to €3 million for FUI** with **subsidy rates higher than 40%** over a period of 2 to 4 years. The size of the consortia varies between **4 and 11 partners** involving **50 companies and 30 different laboratories**.

Despite the impact of the first “lockdown” on the work in progress, **most partners managed to adapt and stay the course, demonstrating the agility of the whole industry**. Thus, the few postponements for the finalisation of projects formulated will not be more than a few months.

The overall results are already very positive since, at this intermediate stage of advancement, the consortia present have already helped with:

- The creation and/or maintenance of more than seventy jobs
- The filing of at least five patents
- More than twenty-five publications
- The marketing of around ten products / process services - and this while the projects are still not finished!

Because of its impact, scale and duration, the health crisis has **shaken up the codes and accelerated changes in society**. It has demonstrated **the importance of the regions; also, within and between sector interaction!**

The economic recovery definitely depends on innovative partnerships.

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Focus

Techtera and Japan: A renewed long-standing partnership

For more than ten years, Techtera has launched action in Japan, especially to work **upstream in the textile sector with the search for innovative materials**. The various exchanges and meetings initiated by Techtera, as well as the challenge of working on **the supply of raw materials**, led to the **signing of a Memorandum of Cooperation (MoC)** in 2014. A **privileged relationship** was thus established between Techtera and the foremost Japanese players in the sector, with a large number of initiations set up:

- Meetings with Japanese groups (business missions, meetings with [JCFA](#) delegations, [CONTEXT](#) network, etc)
- Techtera's initiative on the creation of a Franco-Japanese scientific working group concerning the [Fibertronics](#) theme
- A monthly Japanese version of the Techtera newsletter to ensure regular communication

This year 2021 will see the **renewal of the Franco-Japanese MoC** in order to **perpetuate the flourishing relations between the two sectors**. In this same logic, Techtera is already working on several themes: the circular economy, smart textiles, industry 4.0 and the links between textiles and health safety. Working groups are being launched and action already established above will be sustained.

In this continuity of partnership, Japan is also a strategic destination for Techtera within the framework of European projects. As such, an on-site mission was organised in February 2020 as part of the ALLIANCE project. The aim of this was the commercial development of dual technologies for the large export of defence and security markets. Recently, Techtera submitted a European project in this continuity. If accepted, this will organise a new mission on these lines.

Techtera will also organise the **Fashion Retail Tour** at the end of 2021 for **ready-to-wear, lingerie / swimwear and sportswear companies**. The mission will take place partly in Japan and will allow participating companies to discover the latest trends through guided tours in stores around two themes: finding out about the new technical product offer and customer experience.

These dates are given as an indication and may change depending on the health context.

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They are members

Presentation of new members: Winners of the “[Talents de Mode](#)” (Fashion Talents) (2020 édition)



MAINS D'ŒUVRE

Created in 2017, **Mains d'Œuvre** manufactures **limited and numbered series of durable high-end leather objects of fine craftsmanship**, with luxurious finishes; **made in France and by hand** from **noble and natural materials** such as vegetal-tanned leather and nubuck suede.

The design of these objects is based on the **innovative moulding process**.

Website: <https://mainsdoeuvre.fr/>



NOSC

NOSC is a young **eco-responsible sports brand** created in 2018, whose ambition is to **combine technicality, versatility and respect for the environment** by focusing on **innovative and minimalist products**. NOSC recently launched **the first bio-sourced garment**, called “ACTIVE GREENFIL®”, based on 93% castor oil. This new technology called Greenfil®,

developed by the [Sofila](#) company (a member of Techtera) and Arkema, **required nearly two years of research and development**.

GreenFil® is a **bio-sourced fibre**, obtained through transformation of the castor bean, a renewable resource, obtained without GMOs (*genetically modified organisms*), and consuming little water. This fibre offers many technical characteristics: breathable, naturally anti-odour, thermoregulatory and lightweight.

Website: <https://www.nosc-sport.fr/>

Your appointments with the cluster

February 25, 2021: CONTEXT – Five reports about Smart Textiles for different markets - Webinar (10h-11h30)

The CONTEXT network (<http://www.context-cost.eu>) presents five state-of-the-art reports concerning **smart textiles** and the **major application markets for these new materials: health / transport / personal protection / construction / sport**.

The reports were produced by experts from 34 countries present in the CONTEXT network, within thematic working groups.

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March 5, 2021: SMARTEES; Matchmaking event for printed electronics – Webinar (9h-12h00)

As part of the SMARTEES programme, Techtera is co-organising, with Minalogic and CEA Grenoble, a **matchmaking session concerning the printed electronics sector dedicated to the textile industry!**

On the programme are presentations from technology providers, presentations of business opportunities and a matchmaking session between participants.

The aim is to generate prototyping and up-scaling projects (SMARTEES financial aid).

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March 11-12, 2021: European industry and research exchange on Bio-based fibres and recycling materials for Technical Textile processes and applications – Webinar

The IVGT is organizing a European industrial exchange day on biosourced materials and recycling for technical textile applications with the support of CONTEXT and EU-TEXTILE 2030 (TECHTERA).

Save the date and call for presentation: [here](#).

Contact: Bruno MOUGIN – bmougin@techtera.org

March 25, 2021: CONTEXT – Worskshop : Intelligent materials in the application areas – Webinar (11h-12h15)

The CONTEXT network (<http://www.context-cost.eu>) organizes a working group on intelligent materials in the application areas of sport, building, transport, health and PPE.

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May 4-7, 2021: TECHTEXTIL trade fair (Technical textiles) – FRANKFURT – GERMANY - *Postponed to the second quarter of 2022*

Due to the health crisis, the Techtextil trade show, **initially scheduled for May 2021**, has been **postponed to the second quarter of 2022**. The new official dates are currently being validated by Messe Frankfurt and will be communicated as soon as possible, as well as the modalities for re-registration on the French Pavilion.

Techtera continues its support for the 2022 edition and continues to offer to the accompanied companies organizational support, dedicated communication actions and market support.

Germany is the **biggest producer and consumer of technical textiles** in Europe. TECHTEXTIL Frankfurt has become the industry's leading trade show with 1,818 exhibitors and 47,000 visitors in 2019; making this event an international showcase for highlighting your know-how among contractors.

With the support of the [Auvergne-Rhône-Alpes Region](#).

Contact: Lucie LAGARRIGUE – llagarrigue@techtera.org

June 1-3, 2021: JEC WORLD 2021 trade show (Composites) - Parc des expositions - PARIS NORD VILLEPINTE

JEC World is the international trade show **federating the world composites industry**. It provides users with a complete overview of **processes, new materials and dedicated solutions**. This unique event brought together more than 1,300 exhibitors and 43,500 visitors over the three days of the trade fair, giving exhibitors the opportunity to **develop their relationships** and **showcase their know-how** to key-account visitors.

Axelera, Techtera, Plastipolis and Viaméca renew their participation at this show on the **Composites Auvergne-Rhône-Alpes joint stand** with the support of the Auvergne-Rhône-Alpes Region.

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Life of the members



Merger between “Science and Surface” and “SERMA Technologies”

After the acquisition of Science and Surface by SERMA Technologies in 2018, the two companies merged at the start of the year. Science and Surface **becomes a business unit** of SERMA Technologies. The two organisations **combine their skills and offers**.

Science et Surface brings **its expertise in development consulting, quality control and analysis of defects relating to surface analyses**.

Website: <https://www.serma-technologies.com>



MATISEC wins the 1st prize for innovation at the Gravelines 2020 challenge

MATISEC won the **first prize for innovation** in the category **“Safety, environment and radiation protection – hermetically-sealed ventilated suit with LED lighting”**

People who work in enclosed compartments or in the water tanks of steam generators do not have suitable lighting. The creation of this completely autonomous **“MATILED” light-emitting outfit** provides **better lighting and increased visibility**.

Website: <https://www.matisec.com/accueil>

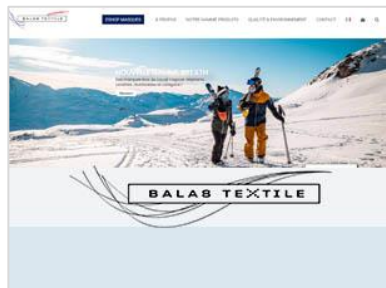


Astra: Teamwork with TAiR to design the strap for a smart bracelet for babies

Astra, a specialist in **high-frequency welding** for medical and orthopaedic equipment, has joined forces with the TAiR Company to manufacture the **retaining strap for the GABI-BABY device**.

The Gabi-Baby device is a **smart bracelet that incorporates sensors** using oximetry technology to **monitor heart rate** and **blood oxygen levels in real time**. The **temperature of the skin, its position and its level of activity** complete the assessment of the baby's condition.

Website: <http://astra-soudure-hf.com/homepage>



New website for Balas Textile!

The Balas Textile website has been revamped to better meet the needs of its customers!

Website: <https://balas-textile.com/>

Calls for projects

EUROPEAN AND INTERNATIONAL CALLS FOR PROJECTS

Horizon Europe Green Deal (open soon in May)

More information: [ici](#)

EUROSTARS (Permanent)

European funding for bilateral projects, in "enlarged" Europe for companies with high R&D performance.

More information: <https://www.eurostars-eureka.eu/about-eurostars>

Financements BPI-ACCIO (Permanent)

More information: <http://www.bpifrance.fr>

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CART'TEX

Call for applications for the CART'TEX chart (reserved for TECHTERA members)

Textile companies wishing to join "CART'TEX", the chart of textile skills created by TECHTERA, can make themselves known to Bruno MOUGIN.

The CART'TEX database is the daily tool of the cluster for managing the search for partners for all projects, and for the response to business opportunities.

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