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Why is Techtera setting up inter-clustering projects?

By Julie RAFTON-JOLIVET, Business Launching Projects Manager

An inter-clustering project is a collaboration between different organisations for implementing joint action on a given theme. Techtera developed this **kind of collaboration on a European scale 10 years ago**; and has since **initiated and participated in several projects**.

The interest of inter-clustering projects is twofold. Through these partnerships, the innovation cluster builds **united action between market clusters**, textile consumers, and **with European textile counterparts** to develop the famous "hunting in packs"; and more precisely to **reach a critical size**, making it possible, in particular, **to open the doors to mass export more easily**.

To respond to increasingly cross-functional calls for projects, the network constructed up to now allows us to demonstrate our **agility to initiate, integrate or help companies to join projects**; and even **find partners with specific skills!**

With the **forceful presence of your Innovation Cluster in Europe**, the **visibility of the textile industry** is also emphasised.

Whether on internationalisation, sector structuring, technological or non-tech innovation projects; in markets such as defence, transport, sport and clothing; on themes such as the circular economy and digitisation; Techtera is more active than ever. So that the French textile industry is worthily highlighted and integrated into the most promising initiatives!

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They are members



EXTRACTHIVE

Extracitive is an SME (*small to medium enterprise*) specialising in the development of technology for the separation and recycling of mineral/ores, industrial co-products and end-of-life waste.

The core business of the company is to: Provide top-quality materials at lower price - Reduce the energy and carbon footprint of industrial processes - Reduce the production of virgin raw materials - Promote the circular economy and regional sources of supply.

The Extracitive flagship project concerns the **recycling of "Carbon-fibre Reinforced Polymer" composite materials** (CFRP). These materials are widely used for applications requiring strength and lightness, but their production cost is high.

Since 2016, Extracitive has been developing **an innovative process based on chemical vapour treatment of CFRPs**. This system makes it possible to produce **top-quality recycled carbon fibre at low cost**, while reducing the environmental impact of the material.

This technology, called PHYre® and patented by Extracitive, is the subject of European funding by EIT Raw Materials. A demonstrator unit, capable of processing one tonne of composite per batch, will be commissioned in 2022.

Website: www.extracitive-industry.com - www.phyre-recycling.com



ANDRITZ Perfojet

Member of the Non-woven division of **Groupe ANDRITZ**, the ANDRITZ Perfojet company, has specialised in **water-jet fibre-binding machines** since 1984. From **design to commissioning of non-woven production lines**, the company gives real support to its customers by offering them turnkey systems.

With more than 300 machines already installed, mainly for export, ANDRITZ Perfojet has become the **world leader in the supply of complete Spunlace lines**.

Applications resulting from the rolls of non-woven Spunlace are very varied; for example, wipes, make-up removing cottons, medical compresses and surgical operations. Numerous patents protect the innovations coming from the ANDRITZ Perfojet R&D and process engineers.

The company has a **technical centre with a complete pilot line**; an essential support for its R&D activity. This also makes it possible to define the maximum performance that can be guaranteed under commercial contracts. The company also offers its customers the possibility of carrying out manufacturing trials of new non-woven products and thus confirm the feasibility of their future investments.

Website: <https://www.andritz.com/nonwoven-textile-en/locations/perfojet-sas-montbonnot-france>

Your appointments with the cluster

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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October 26-29, 2021: A+A trade show (PPE) - DÜSSELDORF - ALLEMAGNE

A+A is a major trade fair for the **textile industry dedicated to protection, safety and health at work**. The event takes place **every two years** and offers a **comprehensive overview of processes and new materials** in the field of PPE (*personal protective equipment*).

Once again, Techtera will be present at the event to **support firms, in partnership with Business France**.

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November 29 to December 3, 2021: Fashion Retail Tour - JAPAN/ KOREA

To **strengthen its activities in the fashion and luxury market**, Techtera is launching its first Fashion Retail Tour in Japan and Korea. In **Tokyo and Seoul**, this mission targets **ready-to-wear, lingerie/swimwear and sportswear** companies - **material suppliers or brands**. It aims to **identify concepts and/or products not yet developed in Europe**.

The Fashion Retail Tour will allow participating enterprises to **discover the latest trends through guided tours** in stores, around two main themes: **discovery of new product offers, technical materials and customer experience**.

This date is given as an indication. It may change depending on the health situation.

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Life of the members



ALPEX PROTECTION: Test on a textile to optimise composting of waste

Alpex Protection, specialised in the manufacture of waterproof and breathable flexible materials, has developed a **textile suitable for composting tarpaulins**: COSMEEC.

This innovative multi-layer is lightweight (30% reduction compared to a standard PVC tarpaulin), tough (mechanical properties two times better than personal protective equipment), and hyper-breathable (microporous structure).

There are two particularly appreciated advantages: Thanks to **optimisation of the pore size**, it functions **as an anti-odour barrier, and accelerates maturation of the** compost (which increases the yield per m²). **This new textile**, with its ergonomic structure and strength, will thus make it possible **to equip composting sites sustainably and ingeniously**.

Website: <https://www.alpex.fr/home/>



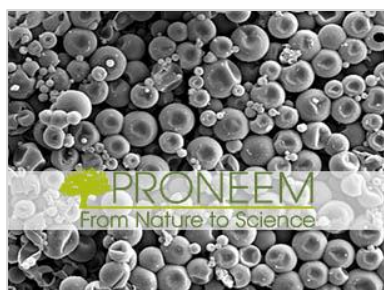
MARCK & BALSAN goes up to 100% in the capital of Sillinger

Sillinger joins Marck & Balsan's "equipment" products as a **leading player in the nautical defence world**. Through this increase in capital, Marck & Balsan will support the development of the Sillinger company, as it has been doing for more than 20 years. This acquisition underlines that **Marck &**

Balsan are constantly committed to "Made in France" and opening up to new European and export markets.

Sillinger is the **specialist in foldable and semi-rigid inflatable boats for military and professional use**, made from Hypalon-neoprene fabric. With its sixty employees, Sillinger now achieves a turnover of €8 million, 70% of which is through exports.

Website: <https://www.marcketbalsan.fr/>



PRONEEM: VIRAL STOP® technology wins over South Korea

Proneem, a French company specialising in functional technologies applied to textiles in an industrial environment, has developed the **first anti-covid-19 textile treatment proven on SARS-CoV-2**: VIRAL STOP®.

Contacted by South Korean manufacturers, this Marseille-based company is **negotiating strategic partnerships** to supply **hospitals** with the active agent **in the form textile spray**. The South Koreans also want to work with Proneem to improve their official masks. To carry out its projects and conquer this market, **Proneem has opened a subsidiary in Seoul**, PRONEEM KOREA.

Website: <https://www.proneem.com/>



TEXINOV®, the adventure of FFP2 masks

Almost one year ago, MDB Texinov took up the challenge to manufacture in the Auvergne Rhône Alpes region.

As from April 2020, the company chose to make **FFP2 masks**, which are more effective than surgical or UNS1 fabric masks, because they offer two-way protection.

First step: **install production lines for FFP2 masks with a capacity of ten million units per month**. As from July 2020, these machines built by CERA, a regional enterprise, operate in parallel with statutory procedures, leading to certification – with excellent results! TexiShield®, an FFP2 certified mask of optimum lightness (3.8g), ensures 99% filtration of 0.6 µm particles and a perfect seal.

In October 2020, MDB Texinov began **constructing a “meltblown” filter line to integrate manufacture of the raw material**. The building now rises from the ground – to be continued!

Website: <https://www.texinov.com/>



The CHAMATEX-Salomon-Zebra trio creates a mask for sports activities

Salomon, with the technical and industrial support of the companies Zebra and Chamatex, launches a mask suitable for **training and high-level competitions - without a hindrance effect**.

The Innovation and R&D teams of the three companies, based in Auvergne-Rhône-Alpes, worked for more than **nine months to develop this product**. **After development in the Chamatex factory**, in Tarare, the product was then **tested and validated before the patent for this innovation was registered**.

In particular, they worked at length on the techniques to be adopted **to avoid the “suction cup” effect** encountered with most masks when breathing accelerates, while maintaining the required sanitary properties.

Website: <https://en.chamatex.net/>

Calls for projects

EUROPEAN AND INTERNATIONAL CALLS FOR PROJECTS

Horizon Europe Green Deal

More information: [here](#)

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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