



## Edito

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### Review of the year 2021 and outlook for 2022

The year 2021 showed Techtera's ability to take part in **inter-clustering projects**, promoting transnational cooperation between clusters, thanks to funding for European projects such as REC-N-COMP, TEXGLOBAL and EU-ALLIANCE.

EU-ALLIANCE, of which Techtera is coordinator, responds to the theme of **high-performance materials**. It also plays a part in the DGA's (French armaments department) financial support for Techtera and its **involvement in the field of security**, with the launch of a Call for Expressions of Interest as part of the Centurion programme. This is an ecosystem of support and funding dedicated to innovations for military combatants.

In 2021, Techtera was also at the heart of initiatives closely linked to **sustainable development**; and responded to several European calls for projects. Its actions also resulted in the organisation of workshops; in particular, concerning the issues of sustainability and textile innovation for the sports and clothing markets; also, by helping to organise events such as "Textiles Tomorrow and the Circular Economy".

Techtera also put the focus on the theme of **Industry 4.0** in 2021 with the launch of the first Techtera ICI 4.0. club, dedicated to the industry of the future, which aims to better understand its impact on the textile industry through the intervention of experts, feedback and exchanges of good practices.

Also, 2021 was marked by the **launch of Techtera's new website** in order to meet the expectations of its ecosystem.

For those working in the textile sector, the year 2022 is already set to be a year of new challenges as regards the **strategic relaunch of growth** and the continuation of organisations and associations; in particular through **innovation, the essential lever** for strong and sustainable competitiveness. It is therefore essential to encourage our cooperative actions, to share and pool our efforts for the efficiency and success of our R&D projects.

**The entire Techtera team, always by your side, wishes you all the best for the New Year 2022.**

## They are members

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### TRIOUS SAFETY

Trius Safety is an innovative company, **specialising in personal protective equipment**. It develops and manufactures **protective gloves**, custom-made for all types of activities.

The firm makes the most of innovations when developing new products for protection against specific risks, using new high-performance materials.

Moreover, Trius Safety has just launched a brand-new patented composite material, TRIHEX®, which provides protection against hypodermic syringes.

Trius Safety is primarily aimed at the industrial, healthcare and construction markets.

**Website:** <https://www.trius-safety.com/>



### STEVTISS

STEVTISS **specialises in the design, development and manufacture of textiles for technical uses**. There are many fields of application, ranging from the iron and steel industry to aeronautics, and also leisure activities.

Its integrated production tools (R&D, warping, weaving, impregnation, cutting and tailoring) allow it to respond to specific requests with high reactivity.

For STEVTISS, custom-made products are part of the company's DNA; their "made in France" know-how and innovation are guarantees of quality.

STEVTISS will be present at JEC World in Paris in March 2022, specialising in the field of composites, and also at Techtextil in Frankfurt in June 2022.

**Website:** <https://www.stevtiss.fr/>

## Your appointments with the cluster

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**March 8-10, 2022: JEC WORLD 2022 Trade show (composites)** - Parc des expositions - PARIS NORD VILLEPINTE - FRANCE

**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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## **During March 2022: Innovation Workshop - Smart & Circular**

Smart textiles result from the **marriage between electronics and textiles**. This **booming business sector** is based on the production of services/products using textile sensors, actuators, conductors. This means: being able to generate, store or transmit energy and data.

### **But what about the environmental impact of these innovations?**

This European day of conferences aims at addressing this question and suggesting development ideas based on eco-design and the circular economy; in general, with a view to designing, developing and producing tomorrow's smart textiles – with their impact under control and as low as possible.

This event, organised by Techtera, will be part of the CONTEXT network.

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## **March 28 to April 1, 2022: Texglobal - Textile mission to Mexico**

Thanks to its **strategic geographical position**, Mexico is a major economic hub between North and South America. In addition, the country has a **strong international dimension** favoured by numerous **free-trade** agreements, including with Japan and the European Union.

This results in **significant import and partnership requirements**; and, therefore, opportunities for European small-to-medium textile firms, particularly as regards the **circular economy**, **smart textiles**, and other technical applications (sport, packaging, industry, food businesses, etc).

As part of the **European Texglobal project**, Techtera invites you to join an **exploratory textile mission** to Mexico from March 28 to April 1, 2021. You will thus join a **delegation of European textile firms** and will be able to discover or learn more about the Mexican market.

Among **the innovative entry points identified**: [Machina](#) - Manufacturer of exoskeleton body kits; [Galia Textil](#) - Manufacturer of medical devices - from processing the cotton to manufacturing; [CITLAX](#) - Tlaxcala State Research and Innovation Centre; [TexTec](#) - Major manufacturer of technical textiles, [Pilu](#) - Manufacturers of industrial and institutional uniforms; etc.

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## **June 21-24, 2022: TECHTEXTIL trade fair (Technical textiles) - FRANKFURT – GERMANY**

Due to the health crisis, the Techtextil trade show, initially scheduled for May 2021, has been postponed to June 21-24, 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**.

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## Life of the members

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### Chomarat announces the launch of its “Convert” project

CHOMARAT has received state support for its the recovery plan and the launch of its “Convert” project. This expert as regards technical textiles thus aims to position itself, in the long term, as a leading supplier of high-performance reinforcements for the automotive market.

The “CONVERT” project, certified by the Techtera and CARA innovation clusters, consists of transforming and modernising an existing multiaxial glass machine into a production line dedicated to a range of unidirectional carbon reinforcements. To achieve this goal, new equipment must be added and the machine environment adapted.

The project, which requires an investment of €2 million over three years, is a winner in the call for projects to modernise the automotive sector.

**Website:** <https://chomarat.com/>



### ALPEX upgrades its unsold products thanks to its upcycling system

In order to recover unsold, downgraded materials, ALPEX is working with RATIO, maker of leather goods using upcycled materials. This is part of the ALPEX “Corporate Social Responsibility” policy, thus demonstrating its commitment to finding solutions aimed at reducing its ecological impact.

Its commitment to respecting environmental standards, reflected in ISO 14001 and Oeko Tex Standard 100 certifications, continues in support of the circular economy in the local textile industry. RATIO bags and accessories are made to order, close to the ALPEX production workshop.

Artisanal production methods, like that of RATIO, make it possible to optimise stocks of materials available in limited quantities.

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



## Cooperation between Saab and Solarmtex

Real industrial cooperation has been entrusted to **SOLARMTEX** (to assemble and adapt netting systems and camouflage screens) and **Saab-Barracuda** (to make, verify, put into kits, packaging).

The Swedish Group helps the partnership through technology transfer and logistics (storage/delivery of spare parts, spare-part stock management) for the coming deliveries to the French armed forces.

**Website:** <https://www.solarmtex.com>



## Elkem completes acquisition of a new factory in France

Elkem has finalised acquisition of a new manufacturing unit to support its growth strategy. The plant, located in Isère, will manufacture high-quality organo-functional silicones for key specialty applications, used in markets such as personal care and non-stick coatings.

**Website:** <https://www.elkem.com/>

# Calls for projects

## EUROPEAN AND INTERNATIONAL CALLS FOR PROJECTS

**ZIM-BPI - Promote and financially support innovation partnerships between French and German companies (Closing date: 31/01/22)**

More information: [here](#)

**Horizon Europe**

More information: [here](#)

**European Defence Fund**

More information: [here](#)

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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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## Techtera

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