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Techtera and “Industry of the Future” – Let’s weave tomorrow’s industry together!

The digitisation of industry is at the heart of the innovation cluster’s priorities. It is one of the three major strategies of Techtera’s roadmap for the years 2023-2028.

This commitment is materialised notably by the cluster’s participation in Global Industries in March 2023 and TIMA (*research lab*) in June 2023; also, by its new edition of “Industry of the Future” Club.

This Club, set up by the innovation cluster, aims to generate a **dynamic of collaborative innovation** in the service of **digitisation in the French textile sector**.

This combined energy should allow the sector to approach the theme with pragmatism; to **define and integrate the appropriate digital tools for the textile industry of tomorrow**.

Digitisation themes, product design and development, manufacturing and learning centres will be discussed during these meetings. The Club will cover the entire value chain, integrating the new economic models that result from it.

The latest session highlighted the following themes: Problem of retrofitting textile machinery; Real-time monitoring of energy consumption; Implementation of Human-Machine Interfaces associated with manufacturing orders, etc.

The project plan is to start from the needs of manufacturers. Based on **diagnostics of digital maturity and operational excellence**, Techtera proposes to **build a tailor-made programme**, which will allow Club members to move forward according to their priority needs in terms of digitisation.

By drawing parallels with **good practices from other industries**: Offering **technological monitoring**; Organising **the intervention of start-ups and research laboratories**; the Club will help manufacturers to co-construct research and development projects or instal digital solutions.

FOCUS

Techtera and the United States: Feedback from the two export missions and their opportunities

As part of the two European projects [REC-N-COMP](#) and [EU-ALLIANCE](#), Techtera was on American time in October! A look back at these two missions and the opportunities they generated.

REC-N-COMP: Mission dedicated to recycling composite materials

The delegation of clusters and SMEs (*small/medium enterprises*), including [Recyc'Elit](#) (member of Techtera), travelled to California for the [CAMX](#) trade show, a flagship event for composites and advanced materials. The diversity and quality of exhibitors, both industrial and institutional, made it possible to acquire a fairer view of the market and its opportunities. Some meetings were particularly promising, such as those with [ACMA](#) – [American Composites Manufacturers Association](#).

Participants also had the opportunity to participate in a private official dinner, organised by [Flanders Investment & Trade](#) during the trade fair. This event took place in the company of [Professeur Clement Hiel](#), who has worked for a long time with NASA and the American composite industry.

The delegation was also invited to the [University of Southern California](#) by [Professeur. Steven Nutt](#), director of the [M.C. Gill Composites Center](#).

The meetings with these organisations were very fruitful. They will be followed up in order to promote collaboration between American and European groups, and move forward together concerning the challenges of recycling and recovery of composites.

EU-ALLIANCE: Mission dedicated to defence and security dual-use markets

The exploratory mission began in Washington DC, with a workshop led by [Gloria Larkin](#) of [TargetGov](#). Thanks to more than 25 years of experience, she supports companies in their development with American and civilian agencies. This workshop was also an opportunity to meet other business delegations and clusters through “matchmaking”. This enabled the emergence of new opportunities for collaboration on a more European scale.

On the strength of learning about these good commercial practices and a better knowledge of the ecosystem, the delegation went to the [AUSA](#) trade show, an important event concerning American defence. Many meetings took place with exhibitors, allowing everyone to deepen their approach to the market in a more individual way through B2B meetings.

The small to medium enterprises and the partner clusters were then invited by the [Maryland Department of Commerce](#) to discuss the development possibilities for European companies in the United States, both in terms of prerequisites and methods of setting up in the country. These meetings held in Maryland will be deepened in order to co-construct a space allowing the emergence of new opportunities for the defence and security markets, for both European and American companies.

Testimonials from participants:

“Going with a joint mission is an excellent idea: It is very difficult to move forward alone, and it is necessary to integrate into networks to progress better and faster. Being there was very

instructive because it allowed us to take the pulse of the market and to meet other delegations”.

“The mission brought us practical, clear and prioritised information. Visiting the show was also a great opportunity, especially since we had already identified it as really pertinent. We came across very interesting American prospects, as well as European groups, with whom there is a potential for collaboration on projects”.



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They are new members



NEYRET

The NEYRET Group, a French manufacturer, offers brands around the world a creative engineering system for the production of textile and multi-material accessories.

Inspired since 1823 by the values of enthusiasm, respect and excellence, with its Corporate Social and Environmental Responsibility as its guiding principle, NEYRET enriches its traditional know-how with strategic innovations in digital and eco-conception.

Thus, the NEYRET Group offers the luxury, fashion and event markets: Technical, creative and sustainable solutions in the fields of identification, decoration, authentication and traceability.

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



ATG Technologies

ATG Technologies, a subsidiary of MGA Technologies, specialises in the automation and robotisation of production lines.

For more than twenty years, the company has been developing efficient and accessible systems for handling wafers and solar cells, designed to meet the most varied and complex needs. The expertise of ATG Technologies also lies in the development of tailor-made, robust machines for achieving gains in productivity.

The company operates in several sectors such as: Automation of handling equipment, Automation of palletisation, Integration of autonomous transport and Integration of control systems.

Website: <https://www.atg-technologies.fr/>

Your appointments with the cluster

November 29-30, 2022: TEXGLOBAL - Virtual exploratory mission to VIETNAM - Webinar

As part of the European [TEXGLOBAL](#) project, Techtera invites you to take part in an exploratory textile mission, dedicated to Vietnam: from November 29 to 30, 2022. You will join a delegation of European textile companies and be able to discover the Vietnamese market. The aim is to meet those involved locally and build partnerships. The mission concerns all textile markets. Small/medium enterprises (SMEs) taking part may benefit from financial support.

The objective of the TEXGLOBAL project is to support the growth, competitiveness, international presence and industrial modernisation of European textile SMEs by improving their innovation capacity.

Programme co-financed by the European Union's COSME programme.

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December 6-7, 2022: Congress, healthcare innovation ; Polymer & textile assets - Espace Hamelin, 17 rue de l'Amiral Hamelin - 75016 PARIS

SFIP - the French Society of Plastics Engineers - and Techtera are organising a congress dedicated to the medical & healthcare industry on 6 and 7 December.

Polymers and textiles meet the challenges of connected health, customisation, traceability and homecare.

They are at the heart of solutions in a wide range of applications: medical devices, primary and secondary packaging, in-vitro diagnostics, etc. Thanks to their unique properties, they meet the regulatory requirements, of quality, safety and innovation required by this very demanding sector regarding patient protection.

Three main areas are concerned:

- Innovation
- Regulation & user expectations
- Sustainable development.

It is dedicated to raw material producers, industrial and academic researchers, designers, processors/converters and manufacturers of medical use's products, start-ups and prescribers/purchasers.

Programme : [ici](#)

Inscription : [ici](#)

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January 28- February 2, 2023: Security and Defence trade mission in Indonésia - EU-ALLIANCE - JARKARTA - INDONESIA

As part of the [EU-ALLIANCE](#) European project, Techtera supports its members in a **Defence and Security mission to Indonesia**.

On the mission's programme:

- Official reception
- Meeting with market experts
- Matchmaking events, B2B meetings
- Pitch in front of contractors

The aim of this **European mission** is to open as many doors as possible with institutions, contractors and manufacturers, in order to make relevant contacts and understand the organisation of the Indonesian security and defence market.

The objective of the [EU-ALLIANCE](#) project is to support the internationalisation of European SMEs in technical textiles, connectivity, advanced technologies and advanced materials. The project targets in particular the dual-use (civil and military) security and defence markets in four countries: the United States, Canada, Japan and Indonesia.

Programme co-financed by the European Union's COSME programme.

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March 14 -17, 2023: Security and Defence trade mission in JAPAN – EU-ALLIANCE - TOKYO - JAPAN

As part of the [EU-ALLIANCE](#) European project, Techtera supports its members during a **Defence and Security mission to Japan during the DSEI JAPAN exhibition. It is the only fully-integrated defence event taking place in Japan; offering market access opportunities into Japan and Asia-Pacific.**

This exploratory mission will also be an opportunity to meet many groups, including institutions such as [METI](#) (Ministry of Economy, Trade and Industry) as well as [JCFA](#) (Japan Chemical Fiber Association) and their networks of partners and companies; during **B2B meetings, time dedicated to networking, and site visits.**

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March 15-16, 2023: PERFORMANCE DAYS exhibition (Textile for sport) - MUNICH – GERMANY

Performance Days is the trade fair dedicated to textiles for applications in the sports sector. With its particular focus on sustainability, it has established itself as the major event in the sector.

Present alongside six French companies in November, Techtera is once again supporting its members during the spring edition.

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April 25-27, 2023: JEC WORD exhibition (Composites) - Parc des expositions PARIS NORD VILLEPINTE -FRANCE

JEC WORLD is the international exhibition that brings together the **worldwide composites industry, offering users a complete overview of processes, new materials and dedicated systems.**

In 2019, this unique event drew more than 1,300 exhibitors and 43,500 visitors over the three days of the show; thus, giving exhibitors the opportunity to develop their network by showcasing their know-how to clients. Despite the pandemic, the event was able to be held in a hybrid format in 2022, and drew 32,000 visitors from 115 countries and 1,200 exhibitors including 26 international pavilions.

As part of the 2023 edition, the [Techtera](#), [Axelera](#), [Polyméris](#) and [CIMES](#) innovation clusters will support French companies **on a joint regional stand, under the “Auvergne-Rhône-Alpes Composites” banner.**

This action benefits from the help of Rhône-Alpes Region.

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June 8-14, 2023: ITMA 2023 - Textile Technology Event - MILAN - ITALY

For the second time, Techtera will be a partner of ITMA, an event held every four years, dedicated to **machines and technologies for textiles and clothing.**

With a global audience welcoming key decision makers from the **world's largest textile and clothing producers and owners of major brands**, ITMA is the place to meet suppliers of textile technology systems and equipment. It is also the place to gather market intelligence and forge partnerships.

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Life of the members



Verne & Clet partnership with Sequal: Initiative for recycled marine plastic polyester yarns

The Sequal initiative is a unique collaborative community working with ocean clean-up programmes around the world concerning the problem of marine plastic pollution.

When recovered, the marine scrap is collected and transformed into recycled marine plastic by approved Sequal partners. **Verne & Clet uses Sequal polyester yarn, allowing the production of quality fabrics while protecting the environment.**

This initiative is fully in line with the **Verne & Clet responsible and united environmental approach**, which did not wait until 2022 to introduce its own labels revealing the environmental impact of its fabrics.

Indeed, for nearly ten years, Verne & Clet has systematically added **the necessary information to its creations** (CO² emissions, quantity of water consumed and eutrophication rate of its products) **to inform its buyers as accurately as possible.**

Website: <https://www.verne-et-clet.com/>



Satab, launches into the construction market with a connected band, notably allowing the detection of leaks

By combining “Made in France” textile know-how and IOT (internet of things) skills, Satab, a specialist regarding narrow textiles, is entering the construction market with an **innovative connected textile solution** offering **detection, protection and prevention possibilities**.

By replacing the electrical cables, which previously had to be hidden with narrow-woven textiles, the ribbon manufacturer, Satab, is embarked on a **technological and aesthetic revolution as regards construction and renovation**.

Its **innovative system for detecting water levels, water leaks, cuts, supports and shocks** offers the possibility of **geolocating** incidents.

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



Alpex is entering a new market: washable sanitary pads

Alpex Protection has been **manufacturing technical textiles** for more than twenty years to equip the army, law enforcement, firefighters, etc. In recent months, it has developed a new range intended for a completely different market: that of **washable hygienic protection**.

Ranging from French army weather protection parkas to firefighter balaclavas to washable diapers and menstrual pants, this might come as a surprise! “But in fact, washable sanitary protection is typically an assembly of materials, **with a textile backing and a waterproof and breathable membrane**. It is the know-how and expertise of Alpex Protection, which we were able to put to good use in a market that we knew little about”, underlines Loïc Bourgeon, technical sales engineer.

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

Calls for projects

EUROPEAN AND INTERNATIONAL CALLS FOR PROJECTS

LIFE Programm:

- Transition to clean energy. (Clôture : 16/11/2022)

More informations: [here](#)

Fonds européen de défense – Call PME (Dépôt du projet : 12/2022)

More informations: [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 is supported by:

