



Focus

AEROTEX: towards more efficient thermal insulation solutions for sports, buildings and personal protective equipment

The AEROTEX project, put together within the framework of a working group **supported and certified by Techtera**, is supported by the Auvergne-Rhône-Alpes region as part of the R&D Booster program. It concerns **the development of new industrial manufacturing processes for flexible high performance textile materials**.

The AEROTEX project, led by **FIBROLINE**, brings together 6 industrial partners and laboratories working hand in hand to **develop new industrial manufacturing processes for high performance flexible textile materials** for three important application markets: **personal protective equipment, outdoor sports, and construction**.

The companies **MILLET MOUNTAIN** Group with the brands Millet and Lafuma (sport), **BALSAN** (PPE) and **P.E.G.** (Building) are collaborating with technology suppliers such as **ENERSENS** (innovative insulating materials based on airgel), **FIBROLINE** (innovative eco-sustainable processes: dry impregnation technology) and **CETHIL** (Centre for Energy and Thermal Sciences of Lyon). The products developed should bring real progress in the field of insulation, in markets which require both advanced technicality and materials highly adapted to use, with increased conformability, lightness, durability, comfort, and ease of use.

They are members



CHEMICA

Founded in 1983, **Chemica** is one of the world leaders in the field of **hot foil stamping for application on textiles**. Chemica generates **85% of its turnover from exports**. It is represented in more than 80 countries, and has subsidiaries in the USA and China.

The company makes use of **its skill in both cutting foils and printable foils**. These meet the most demanding specifications on the market. Its products

are sold in the form of rolls, which will be used by applicator clients in various fields such as: clothing, sports, events and work clothing.

Ongoing innovation and respect for the highest environmental standards are a permanent concern and an imperative for the company.

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



MATISEC

For more than 45 years, **MATISEC** has specialised in **making equipment for security intervention in hostile environments**. Thanks to its different manufacturing workshops, Matisec offers a **complete range of products**: Insulating and filtering breathing apparatus - Chemical protective suits - Fire protection suits - Ventilated nuclear protection suits - Turnkey studies and installations in the field of breathable air.

This range of products responds to the **CATEGORY 3 PPE** market, to prevent fatal or irreversible risks. It is in constant development thanks to the multiple skills and strong experience of its research and engineering department.

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

Your appointments with the cluster

May 4-7, 2021 – TECHTEXTIL trade fair (Technical textiles) – FRANKFURT – GERMANY

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.

Benefit from a presence at the sector's essential event with the support of TECHTERA, BUSINESS FRANCE for the French Pavilion and 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.

Contact: Lucie LAGARRIGUE – llagarrigue@techtera.org

Life of the members



ELKEM SILICONES: Silicone antifog strips for breathing masks

Fogging is a huge problem when wearing both a mask and glasses. Adding a strip of silicone soft skin adhesive can get rid of the fogging. By optimizing the air flow out of the mask when exhaling. Thanks to the universal adhesive on one side. It can be applied to any type of face mask. The medical grade silicone soft skin adhesive on the other side is biocompatible and hypoallergenic. The adhesive strip provides also cushioning effect.

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

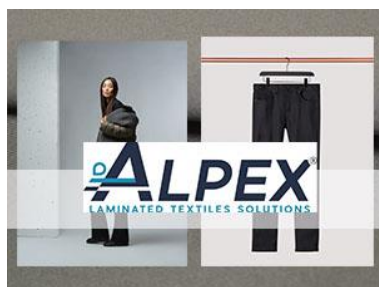


Tomorrow's "green" hydrogen with H2TEX from BROCHIER TECHNOLOGIES

BROCHIER TECHNOLOGIES has developed the **H2TEX process**. The company aims to **produce green hydrogen by photocatalytic reforming** using non-upgraded aqueous organic effluents. More specifically, the aim is to exploit the waste from terrestrial or marine biomass. The process is based on **the association of a renewable electricity generator powering LEDs, optimally illuminating a photocatalyst supported on fibre-optic textile layers**. The hydrogen produced will be a means of storing renewable energy. At the same time, the CO₂ produced will be used in the production of terrestrial or marine biomass.

This new process, unique in the world, has been **patented by Brochier Technologies** in partnership with the CNRS (*French National Centre for Scientific Research*). This innovation, marketed since September 2020, is **one of the many possibilities offered** by this **new generation of smart ribbons**.

Website: <http://www.brochiertechnologies.com>



ALPEX: joins forces with Fusalp and 1083 to work on technical jeans

ALPEX is a specialist for **waterproof and breathable laminated textiles**. It works mainly for professionals and PPE firms, and has put its experience at the service of a **high-end range of jeans project**.

To the jeans **Made in France of the 1083 brand** (which designs and produces eco-responsible jeans), **Alpex has added the Perfortex™ membrane**, which contributes **new technical aspect** to this material: the jeans become **waterproof and breathable**. The resulting laminate, which offers protection, style and comfort, was used to make **Fusalp pants**, a famous ski garment brand. This is a local partnership, for a highly technical creation.

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



AFITEXINOV launches its new website

AFITEXINOV's website has a new look.
To visit it, log on to the

Website: www.afitex.com

Calls for projects

EUROPEAN AND INTERNATIONAL CALLS FOR PROJECTS

Horizon 2020 Green Deal (Closing: January 26, 2021)

More information: [ici](#)

DIGI BCUBE - Prototyping and technology development in the field of connected medical diagnostics, in the fight against covid-19 (Closing: February 3, 2021)

More information: <https://digibcube.eu/open-calls/>

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>

Contact: bmougin@techtera.org

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.

Contact: bmougin@techtera.org

Techtera

91 bis chemin des Mouilles – 69 130 ECULLY - FRANCE

Tel: +33 04 20 30 28 80 | Fax: +33 04 20 30 28 89

www.techtera.org

