



Techtera



French Textile Innovation Cluster

Booth Hall 9 C60-3



TECHTERA SUPPORTS ON A+A



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COUTURE
CONCEPTION & FABRICATION

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techni
SANGLES
INNOVATION & DEVELOPMENT

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WHO ARE WE?

Competitiveness & collaborative innovation

Techtera is the French innovation cluster dedicated to textile. It animates a network of more than 270 members (companies, research laboratories, technical centers, universities and schools) with the main objective of boosting competitiveness through collaborative innovation. Since 2005, Techtera has labelled 267 R&D projects that received fundings for an amount of 652 million €. Additionally, the cluster offers business services including international collective missions, collective booth on main trade event, supporting the launch of innovative products in the market, and identifying textile solutions for various industries.

Application markets



Agriculture



Sports and leisure



Health

Transports



Infrastructure
and construction



Industry



Security, protection
and defense



Clothing, fashion
and decoration

European level certification

The «Cluster Management Excellence Label Gold» is given by the European Cluster Excellence Initiative. It acknowledges the highly sophisticated cluster management of Techtera and the success and commitment of the cluster to further improve its organisational structure and routines.

Techtera is the first textile cluster to obtain the «Label Gold».





4 GOOD REASONS TO BECOME A MEMBER

1

Anchor and develop the roots of innovation

All studies demonstrate a correlation between the results of a company and its ability to innovate. Joining Techtera means taking part in a proactive approach to innovation.

2

Share risks, resources and access to specific public fundings

The labelling of projects by Techtera optimises your chances of accessing national and European fundings. Furthermore collaborative innovation allows you to enhance your investments.

3

Access key players of textile innovation

Seeking a skill, taking advantage of opportunities, setting up technological collaborations in the textile sector: the Techtera network meets your needs.

4

Benefit from high performance services

Techtera offers varied and relevant animation programs, assistance in your R&D projects, optimised visibility with influential key players, support on international markets...



TECHTERA'S SERVICES

Industry stimulation

- **Innovation workshops:** generate R&D projects from technology watching.
- **Techtera's network workshops:** generate R&D projects from the markets.
- **Valorisation workshops:** promoting the results of our members' R&D projects.
- **Competitiveness workshops:** improve markets knowledge for our members.
- **The Techtera Clubs:**
 - Club RECIT: Recycling and Circular Economy in the Textile Industry,
 - Club STeW: Smart Textiles & Wearables,
 - Club Industry 4.0: Industrial club for digitalisation of the textile value chain.

Business development

- **Business launching of innovative products:** introduce innovations to the markets.
- **International support:** technological and business missions, collective booths on the main trade shows, market studies and technology monitoring.
- **Cart'tex database:** find textile skills thanks to our 350 know-how listed in our database.



Collaborative innovation

- **Projects labelling:** guaranty the viability of the project for better chances of getting a public funding.
- **Projects support:** at each key stage, for national and international projects.
- **Identification of national and European fundings:** identify the best suited financing and calls for projects.

KEYS FIGURES

270 members

on the whole textile value chain

20 workshops

in 2022 with more than
2 000 participants

7 European missions

organised abroad in 2022

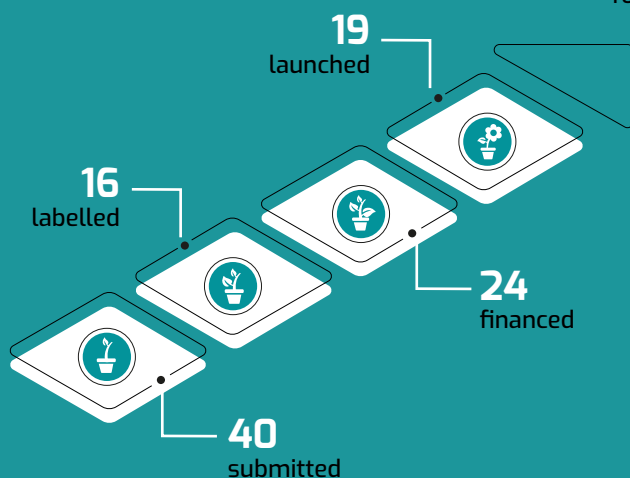
**The French
textile industry**

2 200 companies

10.5 billion
turnover from export

62 500 jobs

Techtera's projects of 2022



**267 financed
projects** since 2005

for an amount of 652 M€

50

business opportunities
answered thanks to our
CART'TEX database



Booth C66-1
(hall 9)

ALPEX
LAMINATED TEXTILES SOLUTIONS



Alpex Protection and NT Majocchi are amongst the european leaders in laminated and coated fabrics for PPE. We keep on innovating and offering a wide range of highly performing waterproof and breathable textiles.



application
areas

Personal protective equipment (industry, army, police, civilians, firefighters, workers), fashion, sports, automotive, aerospace and nautical industry.



products

- Workline: laminated fabrics.
- Faceline: combined performance, lightness and reliability.
- Skinline: laminated linings.
- Screenline: windproof fabrics.
- FR Fabric, moisture barrier, antiwicking.
- NNF LAM: material intended for firemen's hoods.
- Tekline: coated technical textiles.



innovations

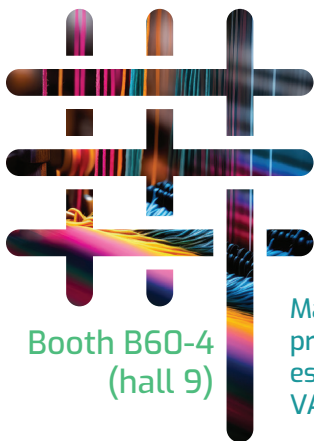
Alpex blocker: light, durable, keeping out chemicals and blood-borne pathogens, flame and heat resistant, these moisture barrier fabrics exceed all requirements of the standards norms.

Faceline akita: weather protection, durability, stretch technology and breathability, pathogen protection, high visibility. Certified and meeting all PPE.

NNF LAM ranges, built with Nomex® Nano Flex are without equivalent on the market. Very light, they offer an unmatched stretch and resilience.

Pierre MENEVEAU +33 (0)4 77 53 88 56
pierrepreneveu@alpex.fr

www.alpex.fr



CERNAY PRO

Booth B60-4
(hall 9)

Manufacture hartmann - Euro TF is specialized in the production of technical fabrics (weaving and finishing), especially printed fabrics with camouflage design in VAT / dispersed dyes.



application
areas

Personal protective equipment (industry, military, police forces, workers, corporate), automotive, medical equipment.



products

Manufacture Hartman – Euro TF is specialized in the production of technical fabrics (weaving and finishing), especially printed fabrics with camouflage design in VAT / dispersed dyes. Its department CERNAY PRO is marketing a large range of fabrics for workwear and corporate apparel.

MHE is accredited to ISO 9001 – Oeko-tex Standard 100.



Hervé LADOUÉ +33 (0)6 07 29 03 52
hladoue@eurotf.fr

www.eurotf.com



Booth C60-2
(hall 9)

CHAMA
TEX
GROUP

Chamatex group is an integrated textile group located in France on 10 industrial plants. The group employs 300 employees who develop and produce specific technical textiles, guided by a clear vision: to imagine the best solution to aim for excellence.



application
areas

Sport shoes, lifestyle, luxury luggage, industrial use, personal protective equipment, racing suit, medical.



products

- Yarns preparation, warping, weaving, dyeing and finishing.
- Outdoor and lifestyle garment making.
- Luxury luggage production.
- Sneakers and sport shoes assembling.
- Upholstery and production of curtains.



innovations

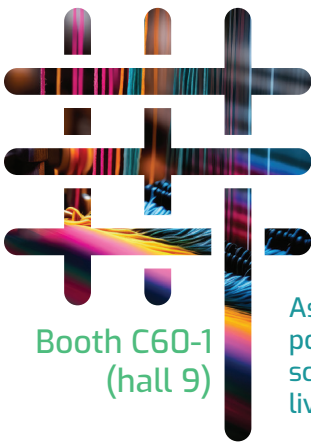
Karapace: a new branded fabrics for fire-fighters protection. Based on the Matryx technology, Karapace outershell with the strongest and the highest protection.

Suspensor: a new branded technology for military and police equipment.

Matryx is a woven technology for mono-block upper for sport and security shoes. Zoning of technical yarns brings all properties of the shoe in one upper (lightness, breathability and strongness).

Thierry DECROUX +33 (0)4 75 69 85 00
tdecroux@chamatex.fr

www.chamatexgroup.com



Booth C60-1
(hall 9)



As a premium e-textile ingredient brand, clim8® pioneers powerful intelligent heated technology, designed by science and adjusted to each user's needs to help people live, work and perform in cold environments.



application
areas

Industry, workwear, sports, outdoor, motorcycle, defense and more to come!



products

- Blakläder Heated Vest 3880 3881 (men, women).
- Harkila x clim8 HWS gloves and insulated jacket.
- Carhartt heated vest.
- Modyf prometheus vest.
- Mechanix coldwork M-Pact heated gloves.
- Odlo I-Thermic heated baselayers and midlayers.

innovations

Providing the most advanced smart heated tech, clim8 is unveiling its digital product passport platform allowing consumers and PPE to consult all the information related to a product transparency and compliance.



Arnauld PLASSON +33 (0)6 61 31 28 83
arnauld@myclim8.com

www.myclim8.com



Booth B60-4
(hall 9)



Technical fabrics for protective apparels

Europrotect creates and sells a complete range of fabrics and knitted fabrics in aramid, aramid viscose, modacrylic/cotton, etc. for protective apparel.



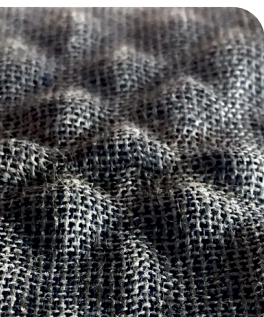
application
areas

Personal protective equipment (industry, military, police forces, firefighters, workers).



products

- Multirisk
- Electric arcs
- Polar fleece
- Softshell
- High visibility
- Laminated
- Outer shells
- Membrane
- Lining
- Camouflage fabrics

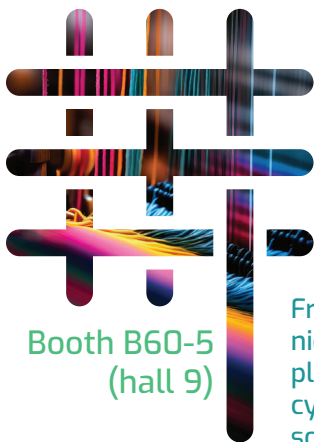


innovations

Twin Kub®: new generation of Twin Square®, which is a perfect combination of comfort, protection and durability. A diamond weaving with high mechanical performances and excellent heat transfer.

Jean-Olivier DEJARDIN +33 (0)4 72 18 74 30
contact@europrotect.fr

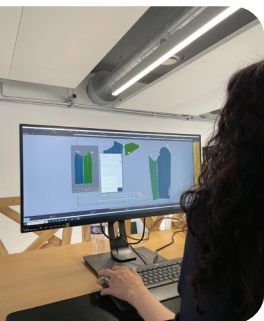
www.europrotect.fr



Booth B60-5
(hall 9)

ifth Institut Français du
Textile et de l'Habillement

French technological center for the clothing and technical textile sectors. Its skills, laboratories and technical platforms, which can be mobilized throughout the life cycle of products, make IFTH a complete and unique solution.



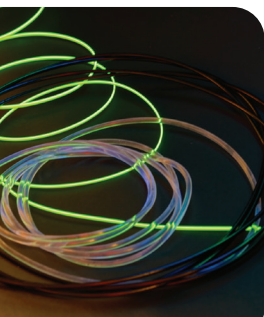
application
areas

Personal protective equipment, sports and leisure, workwear, health & medical, automotive, aerospace, aeronautics, building, geotextiles, fashion...



services

- CE marking: procedures before placing on the market (ISO 17065 accreditation).
- Tests: evaluation of compliance with regulations, standards and inhouse quality guidelines.
- Knowledge & skills management.
- Strategic monitoring.
- Prototyping expertise.

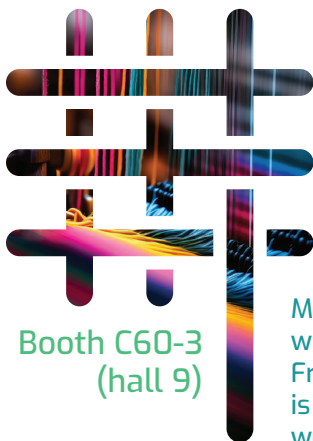


innovations

Digital technologies are paving the way towards more sustainable textile products! **LE LAB by IFTH** offers you innovative solutions throughout the digital design chain: 3D CAD solutions, fabrics virtualization scanner, material characterization...

Christophe MARAIS +33 (0)1 44 08 19 00
commercial@ifth.org

www.ifth.org



Booth C60-3
(hall 9)



Mitwill Textiles Europe is a design-based textile company with a digital microfactory in the Alsace region of France, creating a collection of printed textiles. Mitwill is a pioneer of virtual tools for corporate fashion and workwear for European SME companies.



application
areas

Services for corporate fashion, corporate (civils, workers).



products

Mitwill proposes a virtual prototyping tool with added standard or customized services with its S2G XR platform, a project supported by a Eurostar grant from the EU. S2G XR proposes a virtual showroom and a web platform to network an archive of corporate and workwear fashion styles between buyers, fabric suppliers and garment makers.



innovations

The S2G XR platform (Style 2 Garment) powered by Mitwill Textiles Europe uses virtual prototyping to save time and money for garment development and production by creating a metaverse B2B marketplace for textile workwear.

Hervé FRANÇOIS +33 (0)6 88 12 21 12
herve@mitwill.com

www.mitwilltextiles.com



Booth D67-1
(hall 9)

MKM
COUTURE
CONCEPTION & FABRICATION

Due to its two production site in France and in Slovakia MKM Couture is able to answer to any average and high series production. Modern and automatised machines provide a high advantage with a good efficiency and perfect repeatability. From the creation of the specifications document to the delivery on demand, MKM Couture can adapt its organisation to every clients needs.



application
areas

Personal protective equipment (industry, military, police forces, firefighters, workers), outdoor sports equipment, fashion, luggage, sports, aeronautics and building.



products

- Harness for sports and workers (CE type)
- Made to measure ropes and webbings (CE type)
- Energy absorbers (CE type)
- Nets made to measure (filets) (CE type)
- Mattress made to measure (CE type)

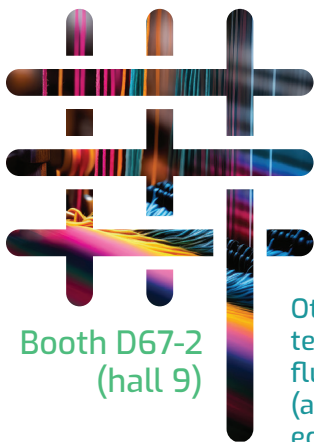


innovations

Sport harness without buckle: MKM is the first company producing a certified harness without any buckle. The advantage for any attraction parc is the speed needed to equip every client. Made to measure rope and webbing, 10 days delivery. Thanks to a very short organisation, we are very flexible to answer for any rope and webbing production. No minimum of order, and no maximum as well!

Aline COUTINHO +33 (0)4 50 52 00 35
contact@mkm-couture.com

www.mkm-couture.com



Booth D67-2
(hall 9)

OTEGO
beyond textile

Otego is a French manufacturer of technical coated textiles (polyurethanes, silicone, lightweight PVC, fluoridated polymers) and technical film lamination (aluminized foils in particular) and specialist in protective equipment with a know-how of over 30 years.



application
areas

Personal protective equipment (industry, firefighters, workers), industry (furnaces).



products

As a technical textiles specialist, we have a wide range of heat protective fabrics certified ISO 11612 for the steel industry (foundries, furnaces) and for firefighting garments.

- Fireshield, a multilayered fabric, designed for firefighting proximity suits, offering unparalleled protection against radiant heat.
- Aluprotec, a range of Aluminized fabrics specifically designed to protect workers exposed to accidental splashes of molten metal.



OTePLACE

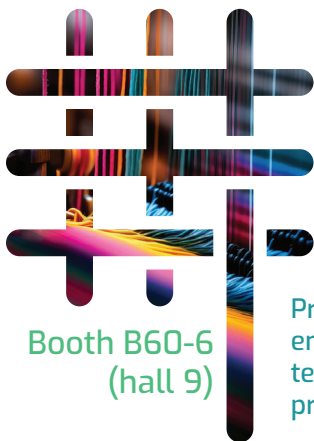
innovations

In addition to Fireshield and Aluprotec, Otego is challenging itself by launching **Oteplace**, an online marketplace dedicated to industrial safety equipment to facilitate the diffusion of innovative protective products around the world.



Alain TIEU +33 (0)4 75 69 85 00
atieu@otegotextile.com

www.otegotextile.com
www.oteplace.com



Primo1D

Booth B60-6
(hall 9)

Primo1D designs, manufactures and markets a unique embedded UHF RFID textile yarn, through the E-Thread technology, making it washable and durable during the product's entire life cycle.



application
areas

Fashion, retail, sports, laundry (workwear, nursing home), personal protective equipment, rubber goods (tires, hoses, cables).



products

The RFID yarn is seamlessly embedded at manufacturing stage into garments or on existing stock, making it non-removable, addressing identification, authentication and traceability stakes along with circular economy deployment.

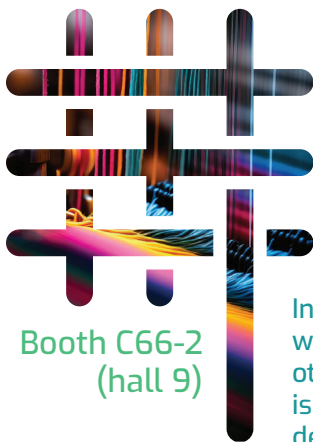


innovations

The E-Thread™ technology is a micro-encapsulation of electronics in a yarn, protected by a strong portfolio of international patents, with many integration possibilities such as textiles, composites and rubber-based materials.

Ludovic PAQUET +33 (0)6 25 25 32 13
contact@primo1d.com

www.primo1d.com



Booth C66-2
(hall 9)



Independent French family-run business, Satab creates weaves and knits ribbons, braids, cords, webbing and other narrows, stiff or elastic textiles items. Its production is 100% integrated and takes place in France and is deployed on 5 continents.



application
areas

Technical clothing, industry, medical, personal protective equipment.



products

Satab offers a complete collection of technical straps for the personal protective equipment markets and offers its customers an unlimited customisation of its products (color, cut, primer, printing, packaging).



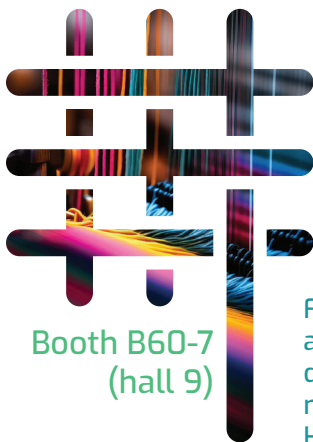
innovations

The company has its own in-house R&D department, the SATAB'Lab. More than 30 people work together in a single innovation laboratory covering an area of almost 1,000 m². At the cutting edge of the latest innovations, the SATAB'Lab anticipates the functional or aesthetic characteristics demanded by its customers and works in particular on composite materials, the textiles of tomorrow, etc.

Satab presents its latest innovation: **Eweave**. This world premiere consists of a global solution combining a smart textile with a connected service.

Kevin BERGER +33 (0)4 77 35 03 81
kberger@satab.com

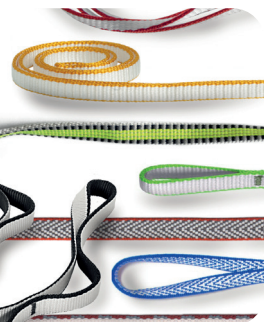
www.satab.com



Booth B60-7
(hall 9)

techni
SANGLES
IN GENIERIE & DEVELOPEMENT

For more than a 100 years, Technisangles - Engineering and Development, is a French weaving company dedicated to technical innovation using high tenacity materials such as aramid, para aramid, Dyneema, Hmpe, polyester and polyamid fibers for straps. Technisangles is definately involved in sustainability and has recently created a new range of recycled polyester webbing for technical applications.



application
areas

Personal protective equipment (industry, military, police forces, firefighters, workers), outdoor sports equipment, fashion, luggage, sports, aeronautics and building.



products

Harnesses, slings, tethers, safety lines, slack lines, paragliding...
Specifics: narrow-wide, high tenacity webbings.



innovations

A single strap could have two or three different widths, easing passing in buckles. Mainly used in security harness manufacturing.

- Height variable patented straps
- High abrasion resistance
- Recycled polyester webbings
- Fits the European and American standards



Dolorès RELAVE-PUIG +33 (0)4 77 29 29 40
drelavepuig@technisangles.fr

www.technisangles.fr



Techtera



91 bis chemin des Mouilles
69130 Écully
France

+33 (0)4 20 30 28 80
contact@techtera.org

www.techtera.org

