



Techtera



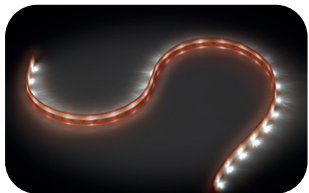
French Textile Innovation Cluster

Booth B67-7, hall 9



VISIT US!

TECHTERA SUPPORTS 8 INNOVATIVES COMPANIES ON A+A



Berthéas ▶ Page 8
*Produces technical
elastic bands and fabrics*
Booth 9A68-5



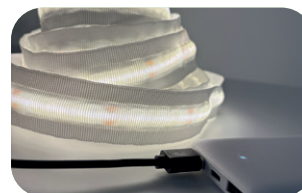
Chamatex Group ▶ Page 9
*Develop and produce
specific technical textiles*
Booth 9A68-4



Europrotect ▶ Page 10
*Leader in fire-resistant textiles
for protective apparel*
Booth 9B68-1



Sofila ▶ Page 11
*Design
and manufacture yarn*
Booth 9B67-2



Eweave ▶ Page 12
*Design and develop advanced
Smart Textile solutions*
Booth 9A68-3



Satab ▶ Page 13
*Design and manufacture
technical ribbons
and webbings*
Booth 9A68-3



T2S ▶ Page 14
*Design and produce
solution for protection
and safety*
Booth 9A68-1



Technisangles ▶ Page 15
*Expert in technical
webbing weaving*
Booth 9B67-1



TSL Rescue ▶ Page 16
*Mountain equipment for
professional rescue teams*
Booth 9B68-3



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 318 R&D projects that received fundings for an amount of 737 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

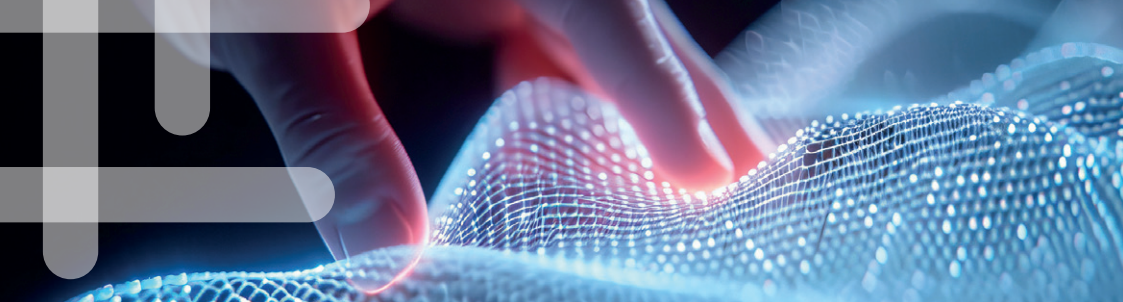


Clothing, fashion
and decoration

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 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 for innovation!

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.
- **Valorisation workshops:** promote / disseminate the results of our members' R&D projects.
- **Competitiveness workshops:** improve markets knowledge for our members.
- **The Techtera Clubs:**
 - Club REBORN: Recycling and Circular Economy in the Textile Industry,
 - Club STeW: Smart Textiles & Wearables,
 - Club Industry 4.0: 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.
- **Business opportunities:** find textile solutions thanks to our network.

Collaborative innovation

- **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.
- **Projects labelling:** guaranty the viability of the project for better chances of getting a public funding.

KEYS FIGURES

270 members

representing the the whole textile value chain

41 workshops

in 2024 with more than
1 800 participants

7 European missions

organised abroad in 2023

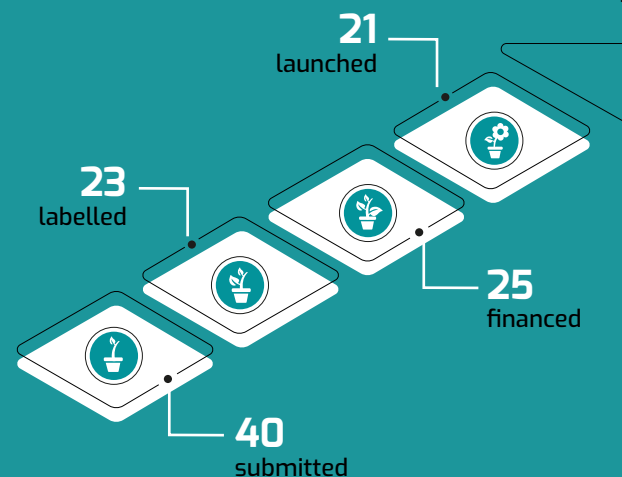
**The French
textile industry**

2 200 companies

10.5 billion
turnover from export

62 500 jobs

Techtera's projects in 2024



**318 financed
projects** since 2005
for an amount of 737 M€

More than 100

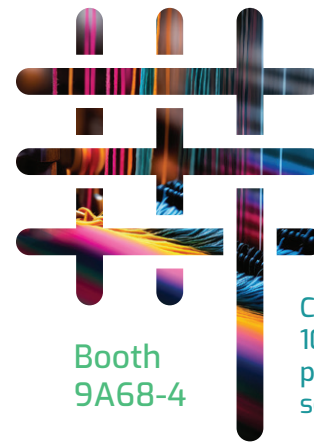
business opportunities
answered thanks
to our network



Booth
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French textile company founded in 1929, specialized in the design and in the industrial production of elastic tapes and fabrics, as well as in the manufacture of made up accessories for the industry.



Booth
9A68-4



Chamatex is an integrated textile group located in France. 10 industrial plants for 320 employees who develop and produce specific technical textiles to imagine the best solution to aim for excellence.



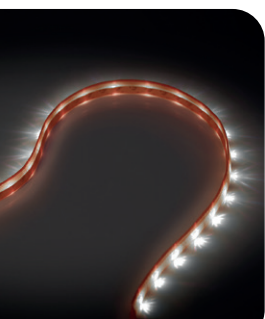
application
areas

Workwear and protection, police/military equipments, technical applications for orthopaedics and exoskeleton, smart textiles and medtechs (connectivity and IoT...), saddlery, underwear, sport, beachwear, fashion and luxury.



products

Elastic bands 30 mm to 300 mm: jacquard waistband, bindings, buttonhole and tubular, elastic grip, fireproof, antistatic, anti infrared or conductive, pocket structure, recycled eco-responsible yarns, rigid strap, spacer fabrics.



innovations

Elastic waistband with pockets: light, comfortable and adjustable, true vector of care, prevention, diagnosis, organization and ergonomics (fully modular in terms of shapes, materials, and size of pockets).



application
areas

Fire fighters/police/military equipments, personal protective equipment, racing suit, sport, lifestyle, luxury luggage, medical.



products

- Warping, weaving, dyeing and finishing.
- Garment making.
- Luggage production.
- Sneakers and sport shoes assembling.
- Upholstery and production of curtains.



innovations

Karapace high performance: branded fabrics for fire-fighters protection, military & police.

Suspensor: branded technology for military and police tactical equipment.

Matryx is our well-known branded technology for sport and security upper shoes.



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Europrotect develops and sells a comprehensive range of fire-resistant knits and fabrics for protective apparels for army, police, firefighters, industries.

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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 Square®: perfect combination of comfort, protection and durability. A diamond weaving with high mechanical performances and excellent heat transfer.

By **recycling fire-resistant garments** Europrotect transforms end-of-life garments into new fibers and fire-resistant high performance fabrics.

Discover our innovative range of **fire-resistant stretch fabrics**.

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Sofila, a French yarn manufacturer, creates customized yarns for weaving, knitting, and braiding, using fibers from 10 to 25,000 dtex, with twisting, covering, texturizing, and fancy effects.

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application
areas

Clothing (personal and protective equipment, fire prevention, workwear, fashion and sportswear), technical (transport, construction, outdoor and sports equipment), medical (medical compression, bandages, protective clothing for medical/research use), lace, upholstery, and accessories.

products

Functional yarns for all applications: comfort with unique expertise in fiber-elastan or filament coverings, special features (antistatic, fire resistant, antibacterial...), diverse sourcing, tailor-made twisting, assembling, covering, texturizing.



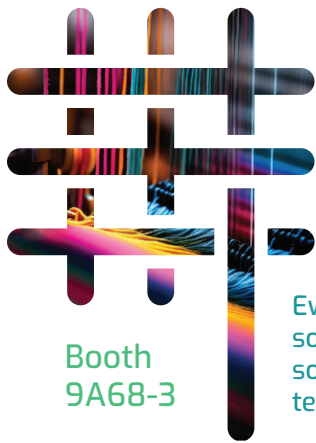
innovations

Technical partnership with XLANCE: expertise in using this yarn in specific covering to combine it with other yarns, ensuring durable, consistent elasticity and strength. A precise process compatible with various materials and highly adaptable.



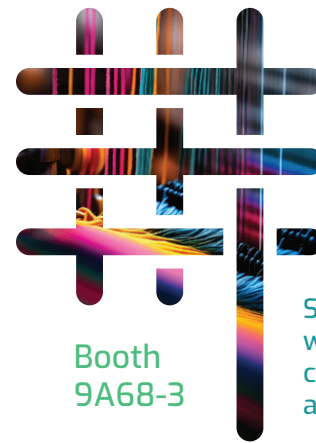
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Eweave designs and develops advanced Smart Textile solutions, integrating linear sensor detection, lighting solutions, as well as conductivity and data transfer technologies.



Booth
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Satab designs and manufactures technical ribbons and webbings (weaving, braiding, knitting, finishing). The company supports the industrial, medical, aeronautics and automotive sectors with innovative solutions.



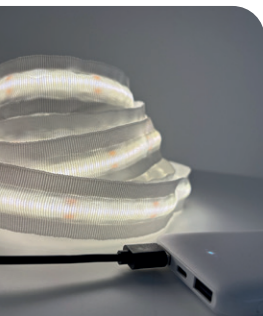
application
areas

Technical clothing, industry, medical, personal protective equipment, sports, aeronautics, military, automotive, building.



products

- Textile linear sensors for detection and geolocation of leaks, cuts, impacts, and water levels.
- Textile lighting solutions.
- Textile technologies for conductivity, data transfer, and on/off switching.



innovations

Lighting: linear textile lighting technology, installable on any surface and in all environments (indoor and/or outdoor).

Conductivity: integrable and connectable textile solution, combining flexibility and durability.

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application
areas

Technical clothing, industry, medical, personal protective equipment, aeronautics, automotive, military.



products

Satab offers a complete range of technical ribbons and webbings for the most demanding markets. Customers can choose from stock products or tailor-made developments thanks to our in-house R&D service (materials, finishing, etc.).



innovations

Bi-directional elastic webbings: warp and weft elasticity,
Controlled tear webbings: energy absorbers in case of falls,

Ultra-durable webbings for challenging environments,
Bi-material webbings: polyester + PVC

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T2S Group is composed of three complementary brands: T2S, Chatard, and Rethiotex, each expert in its own field: high visibility, multi-standard technical clothing, and retroreflective tapes. Together, they provide a comprehensive solution for protection and safety, covering everything from manufacturing to distribution of products tailored to market demands.



application
areas

Personal protective equipment, firefighters, building, transports, industry, energy, water/sanitation, administrations



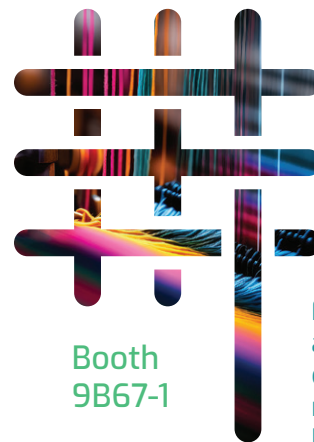
products

- **T2S** : high-visibility personal protective equipment providing protection against cold, weather, UV, or multinorms. All our products meet the EN ISO 20471 standard.
- **Chatard**: designing technical garments for firefighters, high-risk industries, local authorities, and professionals exposed to thermal, mechanical, or chemical hazards.
- **Rethiotex® 30 100**: lightweight reflective tape, designed to withstand 50 industrial washes at 75°C and 50 tunnel dryings. Available in rolls cut from 10 mm to 1 m.

innovations

Phénix Softshell: category 3 PPE, high-visibility, flame-retardant and antistatic with ARC protection. This softshell protects from the cold thanks to its lower back extension and adjustable cuffs. It features Rethiotex® segmented microbead retroreflective tapes that provide flexibility, lightness, and stretch comfort.

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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 definitely 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

- Techni-Sangles is certified ISO 9001 and 14001 with a complete implications in sustainability including a **new range of recycled polyester webbings**.
- **Energy-absorbing webbing**: thanks to a unique mastery of weaving, stitching and assembly, it efficiently absorbs the energy of a fall. Designed to provide optimal protection, it integrates an energy absorption system compliant with EN 355.



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TSL Rescue designs, assembles, and sells Franco Garda stretchers and a range of rescue accessories for mountain and maritime operations. All production, including assembly and after-sales service, is carried out in our workshop in the Auvergne-Rhône-Alpes region. A 100% French manufacturing process, dedicated to rescue professionals.



Rescue services, civil protection.



Franco Garda rescue stretcher: made of a lightweight and durable structure, a patented joint system, and a high-performance medical platform, it enables rescue interventions on any type of terrain. Its design allows the quick adaptation of specific accessories: carrying arm, wheel, float, anti-rotation fin, ski guidance.

Braked wheel for Franco Garda stretcher: equipped with a 160 mm hydraulic disc brake, it reduces strain and provides optimal control. Its design features an aluminum frame, a low-pressure tire, and a quick attachment system to the stretcher, ensuring increased stability even on rough terrain.



Franco Garda Ultra: This new version features a three-piece frame that no longer separates into three parts, offering greater robustness and simplicity. It also includes an automatic locking system that engages instantly when unfolded, enhancing both speed and safety during deployment.

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