



The French
innovation cluster
for the textile industry

At the heart
of textile evolution

Booth F17



TECHTERA

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TECHNICAL AND INNOVATIVE TEXTILES FOR SPORTS

Textiles and flexible materials are essential for sports (equipment, infrastructure, and clothing). They provide properties for resistance, security, and lightness while matching the required level of comfort to achieve the best performances.

Another important stake today is the smart/electronic functions for data sensing and analysis, and the growing importance of composites in the engineering of equipment and infrastructures.

Various projects focused on textile applications for sports have been supported by Techtera. They account for a global budget of almost 20 million euros.

5 to 10%

of the technical textiles production is dedicated to sports and leisure applications

40%

of the textile production in France finds application in the sports industry

Sources: Xerfi, DGCCRF



WHO ARE WE?








Competitiveness & collaborative innovation

Techtera is the French innovation cluster for textiles, based in Lyon. We support our 248 members in the emergence, structuration and implementation of their collaborative R&D projects. Since 2005, we have approved and supported 227 financed R&D projects, for a global budget of € 580.4 million. We also provide business services: international collective missions, pavilions on trade shows, business launching of innovative products, identification of textile solutions for all industries.

227

financed projects since 2005
for € 580.4 million budget

Techtera's projects of 2020:

-  25 in the process of emergence
-  17 ready to hatch
-  15 labelled
-  12 financed
-  4 launched

47

workshops in 2020
with 2 360 participants

248

members on the
whole value-chain

23

European projects
submitted in 2020

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 the technology watch.
- **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
- **The Techtera Clubs:**
 - > **Club RECIT:** Recycling and Circular Economy in the Textile Industry,
 - > **Club STEW:** Smart Textiles & Wearables. knowledge for our members,
 - > **Club ICI 4.0:** Industrial Club for Industry 4.0 in textile.

► Business development

- **Business launching of innovative products:** introduce innovations to the markets.
- **International support:** technological and business missions, collective booths on main trade shows, market studies and technology monitoring.
- **CART'TEX database:** find textile skills thanks to our 350 listed know-how or register to the CART'TEX database.
- **Monitoring of the latest trends in fashion, clothing and housing thanks to dedicated programs:** get a continuous and updated insights source on aesthetic and creative trends.

► 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 fundings and calls for projects.



**TECHTERAFAB:
INDUSTRIAL ACCELERATION PLATFORM**

- ▶ Prototyping, validation of pre-industrial processes and economic models

- ▶ Technical hall of 350 sqm for equipment hosting, including assembly

- ▶ Open to SMEs, midcaps, schools, technical centers, laboratories...



- Techtera
team's office

- ▶ Co-working spaces in independent subunits

- At the heart of West Lyon technical pole: next to IFTH, ITECH, CTTN and Ecole Centrale of Lyon

91 bis Chemin des Mouilles - Ecully (69)
France





Balas Textile is based on creativity, innovation, design and production of fabrics for the fashion and technical markets.

Balas Textile is a leader manufacturer specialized in the production of downproof and water repellent fabric, personal protective fabric, men swimwear fabrics, and technical fabrics for sport, fashion and luxury goods.

Products

The collection is designed on eco-based fabric developments, certified GOTS (Global Organic Textile Standard) for cotton and Newlife or GRS (Global Recycle Standard) for the polyester, polyamide, elastane and with eco-responsible treatment.

The company complies with CSR (Corporate Social Responsibility), as she is certified ISO 9001 and 14001 since 2018, and recently acquired the RFAR label (Supplier relationship and responsible purchasing). Balas Textile respect the OEKO-TEX® Standard 100 label, that guarantees the absence of harmful substances for the health. Unitex « Syndicat de la Maille », French Tex and FACIM member, Balas Textile works with the most influent textile organisations in France.



Sustainability

RESPONSIBLE FINISHING



MONO AND MULTI COMPONENT

FLUOROCARBON FREE WR

RECYCLED



Estelle POMMIER +33 (0)6 76 56 92 75
epommier@balas-textile.com



www.balas-textile.com



Berthéas is a French manufacturer founded in 1929 and one of the European Leader specialized in producing technical elastic tapes and textiles for the orthopedics market, men's underwear, sport, protection and military components. Berthéas exports 35% of its production and currently allocates more than 4% of its turnover in R&D. Since the 1990s, several revolutionary products have been patented: Micro-Soft®, Micro-Gripp®, Micro-Gripp Ultra Flat®, and Stretch >CTRL>®. Berthéas is certified OEKO-TEX: CQ511/1 Product Class 1 and CQ511/5 Recycled Materials.

Products

Our collection is organized according to our different markets. Our elastic fabrics and tapes for kidney belts and upper/lower limbs' orthoses as well as our range for underwear's waistbands, bras for sport, headwear, swimwear, ready to wear and denim, military and technical markets are mainly woven with Polyamide (recycled, microfiber, airtex), polyester, polypropylene and elasthane yarns. Some atypical components (carbon wire, conductor wire, fireproof yarns) can complete our range of products to meet specific use. Our know how makes it possible to introduce new techniques and structures on fashion articles, and to bring a touch of fantasy on technical orientated products.



A differentiating elastic fabrics know-how: the right combination between functionality and design.

Olivier ROCHE +33 (0)4 77 29 33 68
oroch@bertheas.com

www.bertheas.com

Created in 1980, the main strengths of the Chamatex group lie in:

- its capacity for innovation with the development of innovative and high-performance textile products in partnership with its customers;
- the expertise and commitment of its employees;
- its industrial mastery enabling it to provide a global textile solution by guaranteeing reactivity and quality;
- eco-responsibility (recycled materials, recovery of its waste, eco-design).

The group has global control over the entire value chain: research & development and style, textile manufacturing, modern assembly and making, logistics and distribution.

Product

Matryx®: composed of high tenacity synthetic yarns (polyamide or polyester) coated with Polyurethane and technical yarns (aramid fibre, carbon, monofilament...) distributed in a single piece per zone, Matryx® and its different ranges offer a cartography adapted to the needs and requirements of each sport. This patented technology allows to reduce the number of components by about 50% and to avoid as much as possible the assembly of parts and patterns.

Chamatex, an integrated "from yarn to product" textile player guided by a clear vision: to imagine the best solution to aim for excellence.

ECO-DESIGN

RECYCLED MATERIALS

Waste recovery



COMPONENT REDUCTION



Denis COULAUX +33 (0)4 75 69 86 86
dcoulaux@chamatex.fr



www.chamatexgroup.com



Henitex is specialized in circular knitting. The company offers three main know-hows to its customers thanks to 60 machines, in big and small diameters:

- creativity and fashion,
- performance knitted fabrics: one technique for a specific use,
- seamless knitted fabrics: from the thread to the garment.

Products

Jersey and jacquard fabrics aimed at sportswear, nightwear, swimwear, loungewear, athleisure, Seamless products.



French circular knitter producing jersey and jacquard fabrics offering collections but developing upon request and needs. Henitex has invested in the seamless technology since april 2021.

RECYCLED

WASTE RECOVERY



ORGANIC COTTON

Eco-design



Maud HAUDRICOURT +33 (0)6 23 36 03 97
maud.haudricourt@henitex.fr



www.henitex.fr





Montdor is specialized in the transformation on commission of flexible materials in rolls by giving them technical and/or aesthetic properties.

Products

Montdor offers : embossing, deep-embossing, molding, bonding by calendaring and hot-melt, dot print anti-abrasion/anti-slip, transfer printing, pleating, crushing...

Montdor has developed and patented a Dot print solution to considerably increase the abrasion resistance of many textiles such as warp and weft, knit... (with or without elasticity). Applications: elbow and knee pads in workwear, military/police uniforms, sides of cycling pants but also bags, seats...

Montdor gives technical and/or aesthetic properties to your textiles since 1985.



MONO COMPONENT

RECYCLED

Étienne GUERET +33 (0)6 09 67 37 63
etienne.gueret@montdor.fr

www.montdor.fr



Moulinage du Solier
LE FIL AU SERVICE DE LA TECHNOLOGIE

Moulinage du Solier, a French well-established textile company, has acquired, since 1987, a strong and diversified know-how in the field of technical yarn.

Products

Nexocolor™ is a fire-resistant yarn with such a rich quality of colour and durability.

No'EMI™ is a yarn based on the double-layer covering technology. This pluri-matter yarn made of carbon, glass fibre, metallised yarn or conductive wire displays outstanding antistatic and electromagnetic-shielding properties.

T.R.Y. is a fully-customisable thermochromic yarn that enables the detection of excessive or insufficient temperatures without the use of metallic component or power supply. The visual information is given by a neat and reversible colour change of the yarn.

RCOL200® is a fire-resistant yarn whose colour can withstand prolonged and continuous exposures to temperatures of 200 °C.

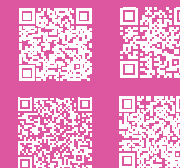
SENTI® is an olfactive yarn that will release a pleasant and relaxing scent all along the life of your textile creations.

Moulinage du Solier relies on a cutting-edge laboratory to develop its own smart functional yarns and to assist its clients from the designing to the industrialisation of their projects.



Pierre-Yves SUCHAIL +33 (0)4 71 66 82 44
contact@moulinagedusolier.com

www.moulinagedusolier.com



1947
RECORBET
Tisseur - Créateur

Founded in 1947 Tissages Recorbet is specialised in sheers, silk weaving and technical fabrics (bi-strech fabrics).

Tissages Recorbet is concerned about environmental and societal impacts and is committed to the industry of tomorrow through its certifications France Terre Textile and GOTS.

Products

Tissages Recorbet offers : bi-stretch, plain and jacquards fabrics for sport, luggage with special finishing.
Fabric production capacity: from 10 g/sqm to 1 000 g/spm. The company is equipped with a wide range of warping machines, 42 plain and jacquard looms.

Tissages Recorbet a partner
for your innovative projects
and technical needs.

PRINTABLE

Stretch 

HEATING



Lucette LEREMON +33 (0)6 48 51 85 72
lucette@belinac.com
www.tissages-recorbet.com





techtera



TECHTERA

91 bis chemin des mouilles
69130 Écully
France

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

www.techtera.org

