



techtera



The French
innovation cluster
for the textile industry

At the heart
of textile evolution

BOOTH

12.1 B93

Competitiveness & collaborative innovation

Techtera is the French innovation cluster for textiles, based in Lyon. We support our 258 members in the emergence, structuration and implementation of their collaborative R&D projects. Since 2005, we have approved and supported 243 financed R&D projects, for a global budget of € 619 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.

Application markets



HEALTH



SPORTS AND LEISURE



TRANSPORTS



INDUSTRY



CLOTHING, FASHION
AND DECORATION



INFRASTRUCTURE
AND CONSTRUCTION



SECURITY, PROTECTION
AND DEFENSE



AGRICULTURE

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

2

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.

Share risks, resources and access to specific public fundings

2

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.

Benefit from high performance services

4

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

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

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.

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 or register to the CART'TEX database.
- **Monitoring of the latest trends in decoration and housing thanks to dedicated programs:** get a continuous and up-to-date watch on aesthetic and creative trends.

KEYS FIGURES

The French textile industry*

2 100
companies

9.4 billion
turnover from export

61 910
jobs



techtera



258

members on the
whole value chain

32

workshops in 2021
with more than
2 000 participants

9

European missions
planned abroad

243

financed projects since 2005
for € 619 million budget

Techtera's projects in 2021:



33 submitted



16 labelled



9 financed



11 launched

45

business opportunities
answered thanks to our
CART'TEX database

FOCUS ON OUR CLUBS: RECIT

Recycling and Circular Economy in the Textile Industry



The club aims at organising a value chain for recycling industrial textile waste. Techtera federates and heads the members of the Club, around various themes:

- eco-design,
- recycling,
- upcycling,
- collection and sorting,
- new business models.

Main goals:

- > create, develop and support innovation projects,
- > technology watch and benchmark,
- > set up joint actions (such as listing industrial textile waste supplies).

Focus on "Making the textile of tomorrow with the thread of circular economy"

This event organised in collaboration with UNITEX, the CIRIDD, the Text'in Campus and financed by the Auvergne-Rhône-Alpes Region and the Metropolis of Lyon, brought together 185 people around the themes of sustainable production of biosourced textiles, the recovery of unsold goods and production offcuts. A hackathon was also organised by the Innovation Factory, dedicated to students in order to propose innovative solutions in collaborative work.



FOCUS ON OUR CLUBS: STeW

Smart Textiles and Wearables



The STeW club was born to meet the needs of Techtera's members on the topic of Smart Textiles and Wearables (STeW). It mainly focuses on the themes of:

- smart systems and materials,
- Internet of Thing (IoT), innovation on data transfer, conduction, sensors, energy and actuators,
- new applications, business models and innovation schemes,
- normes and regulations.

Main goals:

- > boost the member's network,
- > foster the emergence of collaborative projects,
- > create an appropriate environment in order to favorising technical, scientific and business emulation between Club members (information, experience, best practices).

Focus on CONTEXT

The CONTEXT program finances the networking activities of scientific and industrial experts in the field of intelligent textiles. It was officially launched on October 11, 2018, bringing together experts from 35 European countries. 5 working groups have already been launched in several application markets: transport, sports, health, personal protective equipment and building.



FOCUS ON OUR CLUBS: ICI 4.0

7

Industrial Club for Industry 4.0 in Textile



The ICI 4.0 Club is focused on the definition and understanding of the industry of the future, its impacts and challenges for the textile sector. It includes among others

the following topics:

- new technologies,
- new organisation of production processes,
- adaptation of tools and processes,
- industrial agility.

Main goals:

- > technological watch and exchange of best practices,
- > dynamise the members network,
- > create an accurate environment in order to promote the implementation of technical solutions to support the digital transformation, including employees training and ecological improvement.

Focus on "Towards industry 4.0"

The European Economic Interest Grouping EU-TEXTILE2030, of which Techtera is a partner, has joined forces with the European project CLAMTEX to organise several days of conferences and online meetings on the theme of Industry 4.0 in the textile industry, in order to pursue their digital transformation.

VISIT US!



Auvergne-
Rhône-Alpes

Techtera supports

30

companies on
Techtextil/Texprocess

- | | |
|---|--|
| <input type="checkbox"/> Alpex Protection.....p.9 | <input type="checkbox"/> MDB Texinov.....p.24 |
| <input type="checkbox"/> Bertheasp.10 | <input type="checkbox"/> Montdor.....p.25 |
| <input type="checkbox"/> Blanchard
Tech & Yarns.....p.11 | <input type="checkbox"/> Moulinage
du Solier.....p.26 |
| <input type="checkbox"/> clim8.....p.12 | <input type="checkbox"/> Neyret.....p.27 |
| <input type="checkbox"/> Diatex.....p.13 | <input type="checkbox"/> Orionp.28 |
| <input type="checkbox"/> Domop.14 | <input type="checkbox"/> Otego.....p.29 |
| <input type="checkbox"/> Europrotect.....p.15 | <input type="checkbox"/> Porcher industries....p.30 |
| <input type="checkbox"/> Fibroline.....p.16 | <input type="checkbox"/> Proneem.....p.31 |
| <input type="checkbox"/> Fotia DMT.....p.17 | <input type="checkbox"/> Sasytex.....p.32 |
| <input type="checkbox"/> Henitex Bel Maillep.18 | <input type="checkbox"/> Satab.....p.33 |
| <input type="checkbox"/> Héraud Rubans.....p.19 | <input type="checkbox"/> Sopara.....p.34 |
| <input type="checkbox"/> IFTH.....p.20 | <input type="checkbox"/> Stevtiss/Tisstech.....p.35 |
| <input type="checkbox"/> JET Metal.....p.21 | <input type="checkbox"/> Techni Sanglesp.36 |
| <input type="checkbox"/> JRC Reflex.....p.22 | <input type="checkbox"/> Texti Sonics SASp.37 |
| <input type="checkbox"/> Massebeuf Textiles.....p.23 | <input type="checkbox"/> Thimonnierp.38 |

Yarns

Processes

Machines

ALPEX PROTECTION

Alpex Protection is dedicated to waterproofing and breathable fabrics for PPE areas. It exports more than 75% of its production, employs 46 people for a turnover of more than 18 M€. In 2022, Alpex announced the creation of a commercial subsidiary in the USA: a joint venture between Alpex Management and the Calko group dedicated to technical textiles for the emergency response area.

Processes



application areas

Garment (protective personal equipment), building, transport, filtration, aerospace.

products

- Eoliner: *moisture barrier fabrics*
- Workline: *laminated fabrics*
- Faceline: *combined performance, lightness and reliability.*
- Skinline: *laminated linings*
- Screenline: *windproof fabrics*
- FR Liners & FR Fabrics: *flame or fire retardant properties with additional function*
- NNF LAM: *material intended for firemen's hoods.*

innovations

The result of a collaboration between Alpex and Dupont, NNF LAM are technical textiles composed of 3 layers: an outer layer offering high thermal performance, composed mainly of Nomex® fibers, a nano-fiber membrane, and an inner layer that promotes moisture transfer. Soft, flexible and light, this material manages to be both extremely efficient in terms of protection and comfortable to wear.

Laurent COGEZ
laurentcogez@alpex.fr

www.alpex.fr

BOOTH

11.0 D35

BERTHEAS

Bertheas is a French company established in 1929, specialised in the production of technical fabrics and medical elastic tapes. In the 1990's, jacquard elastic bands are integrated. It now maintains its leading position thanks to a constant investment and innovation policy.

Processes



application areas

Orthopedics, men's underwear, sport-corsetery and other technical applications.

products

- Elastic bands and fabrics, some with gripface for orthopedics.
- Elastic waitsbands for men's underwears.
- Straps and underbreast bands for sports bras and sports underwears.
- Elastic jaquard bands for other technical applications.
- 3D spacer fabrics.

innovations

Micro-gripp uf®: grip elastic band

Ultra flat and flexible. Very soft and comfortable also on the edges. Very good open and close resistance. Good hook fastener-lastingness. Clean cut in all directions. Welding ultrasonic HF. Machine washable at 60°C.

Strech CTRL®: revolutionary elastic fabric

Combines confort and support, comfortable at rest and dynamic during the movements, reduces oscillations while moving fast, avoids bouncing effect.

Éric BAHON
ebahon@bertheas.com

www.bertheas.com

BOOTH

12.1 A92

BLANCHARD TECH & YARNS

Producer of top quality and special threads with unique knowledge in metallic threads. Blanchard Tech & Yarns produces gimped and twisted yarns or cabled threads with metallic, technical components for conductive, protective and geotextile industries. The company designs and manufactures customised yarns based on requested specifications.

Yarns



application
areas

Clothing, geotextiles, industry.

products

French producer of metallic and textile threads.

Wires: silver, stainless steel, copper, nickel, different alloys... 200 microns to 20 microns.

Blanchard Tech & Yarns slits functional films and uses them in technical threads (PET / PTFE / PU / metallised films...)

Christophe CASTRO
christophe.castro@blanchard.fr

Patrice VINCENT
patrice.vincent@blanchard.fr

www.blanchard.fr

BOOTH

12.1 A95

CLIM8

clim8 is a premium wearable technology company that is rooted in science and human need, providing personalised thermo-regulation with digital automation in smart clothing.

Processes



application areas

Sports, outdoor, workwear, motorcycle and more to come!

products

- IXON IT Series Heated Gloves (moto),
- Odlo I-Thermic Heated Baselayers and Midlayers (outdoor),
- Mechanix Coldwork M-Pact Heated Gloves (physical work / ski).

innovations

Seamlessly fusing textiles with soft and flexible electronics, autonomous sensors and digital platforms, clim8 and its partners engineer thermo-regulating products that sense and react in real-time to the human body.

Arnauld PLASSON
arnauld@myclim8.com

www.myclim8.com

BOOTH

12.1 B97

DIATEX

Diatex SAS is a company specialised in technical fabrics manufacturing, certified EN9100, Oeko-Tex 100 & Ecovadis Silver. Its weaving factory has air jet and water jet looms til 540 cm wide. The group, located on 3 sites in the Auvergne-Rhône-Alpes region, covers 12,000 sqm and employs about 70 people.

Processes



application areas

Composites industry, aeronautics, agriculture, events, defense, filtration, personal protective equipment.

products

- Technical textiles: flame retardant fabrics, waterproof textiles, controlled porosity textiles, multilayers and multifunctional textiles.
- Composites industry: materials for composites manufacturing (vacuum molding or infusion, RTM and RTM Light), light aircraft products.
- Agrotextiles: complete range of harvesting, shade, insect and windbreak netting.

innovations

Heat Insulating fabric flexible to improve winter and summer thermal comfort conditions for canopy tents (3 layers held together by ultrasound seam): flame retardant fabric 100% polyester FR M1 class, aluminised (with infra-red reflection) + wad 100% PES FR heatbonded, 50 g/m² + 100% flame retardant polyester fabric. OEKOTEX 100 certified product.

Philippe BARROYER
pbarroyer@diatex.com

www.diatex.com

BOOTH

12.1 B20

DOMO

DOMO Performance Fibres has been producing world-class Polyamide 66 fibers since 1955 at its Valence site in France. Over 130 employees work on continuous PA66 polymerisation and yarn production lines.

Yarns



application areas

Fashion, sports & leisure, automotive, cosmetic, packaging, furnishing (carpet rugs & wall covering), technical textile, non woven.

products

NYLEO® is the brand for the full portfolio of polyamide 66 fibers (including staple fibers, crimped tow and tow for flock) bringing together a compelling combination of well-established performance fibers and innovative solutions.

innovations

NYLEO® also represents cutting-edge and sustainable innovation with:

- NYLEO® PROTECT, a new flame retardant PA 66 fiber,
- NYLEO® 4EARTH, a new PA 66 fiber with enhanced biodegradability,
- NYLEO® SAFE, a new bacteriostatic PA 66 fiber.

Olivier HUANG
olivier.huang@domo.org

www.domochemicals.com

BOOTH

12.1 A86

EUROPROTECT

Europrotect is one of the few producers of technical textiles for personal protective equipment. It is integrated from weaving to dyeing/printing. Its range includes FR fabrics, knitted fabrics, laminated and accessories.

Processes



application areas

Protection (firefighters), defence (police, army) and industry.

products

Patriot: designed to provide policemen and soldiers optimum protection against heat, flame and mechanicals risks. Available in any kind of color or camouflage, this product already equips several European armies.

innovations

Twin Square[®]: a perfect combination between comfort, protection and durability. Its patented diamond weaving offers you high mechanical performances and excellent results in heat transfer, chemical repellency, UV exposure...

Jean-Olivier DEJARDIN
contact@europrotect.fr

www.europrotect.fr

BOOTH

12.1 B98

FIBROLINE

Fibroline is an engineering company which developed and patented revolutionary dry impregnation technologies. Those cleantechs enable to impregnate powder into porous structures thanks to alternating electric fields.

Processes



application areas

Medical, hygiene, filtration, cosmetic, composite, automotive and transportation, building industry.

products

Fibroline's technologies have a very wide range of applications, as they are:

- innovative: possible creation of new products,
- economic: energy savings,
- fast and easily controllable,
- dry and non-polluting: no water, nor solvents.

innovations

Fibroline developed four innovative technologies:

- D-Preg: for technical textiles,
- S-Preg: specific deposition process for medical field,
- Y-Preg: for yarns, ribbons & tapes,
- T-Preg: high-speed configuration for hygiene.

Léa MONIN
lmonin@fibroline.com

www.fibroline.com

BOOTH

12.0 A65

FOTIA DMT

From assembly design to commissioning, including mechanical, electrical and automation production, Fotia DMT specialises in the construction of special machines for flexible materials. The company also manufactures machines and/or mechanically welded assemblies or sub-assemblies as well as electrical cabinets and offers its industrial maintenance services.

Processes



application
areas

Automotive, aeronautics, medical, foundry, building, chemicals, environment, health, food processing, effluent treatment, painting, technical textiles, personal protective equipment.

products

- Special machines for flexible materials in the fields of winding, unwinding, lamination, cutting, calendering, splicing, accumulation of material, lamination, palletizing, packaging, etc.
- Washing, drying, disinfection and packaging machines for PPE
- Solutions for disinfection of workshops/premises with ozone.
- Water treatment solutions / liquid effluents.
- Mechanical studies, structural calculation notes.
- Electrical diagrams and manufacture of electrical cabinets.
- Automation.
- Industrial maintenance.

Sébastien FÉRAUDET
sebastien.feraudet@fotia-dmt.fr

www.fotia-dmt.com

BOOTH

12.0 A30c

HENITEX BEL MAILLE

Since 1987 Henitex is a French company, leader in Europe for knitwear manufacturing: fancy jacquards, openknit fabrics, jerseys, stripes, ribs, 3D, double face. Thanks to its 60 circular knitting machines, of big and small diameters, Henitex offers three main know-hows to its customers: creativity and fashion, performance fabrics, seamless knitted fabrics.

Processes



application areas

Fashion, lingerie, sports & leisure (including swimwear and footwear), medical care, furnishing, technical fabrics (individually developed for each specific application).

products

Henitex offers two main types of products:

- From yarn to fabric : traditional circular knitted products. They are jerseys, Jacquards, openknits, stripes, ribs... From our collections or from your specific demands, then developed on request and needs ;
- From yarn to garment: newly in our factory (april 2021) and unique in France: seamless knitting products. They are underwears, sports shirt and legging, second skin suit, maternity belt... Individually developed on request and needs.

Yarns used: polyamide, polyester (in recycled versions also), merino wool, hemp, tencel, linen, cotton (also in GOTS and recycled version).

Certificates: GOTS, GRS, FSC, Ökotex, IVN.

Maud HAUDRICOURT
maud.haudricourt@henitex.fr

www.henitex.fr

BOOTH

12.1 A93

HERAUD RUBANS

HERAUD RUBANS is specialised in weaving, dyeing and customisation of ribbons since 1966. French leader of tapes for curtains, HERAUD RUBANS also produces ribbon such as satin and velvet. These are available 100% recycled certified GRS.

Processes



application areas

Home, clothing, packaging, industry, luggage.

products

- Satin, velvet and grosgrain ribbons
- Various ribbons: lurex satin, transparent tape, cotton touch ribbon,
- Recycled polyester ribbons: certified GRS
- Polysangle: strap 100% PES
- Pleating and gathering tapes
- Roman blind tapes
- Eyelets bands and Loops tapes ready to sew

innovations

- Ultra-sonic & laser cutting methods
- Application of an adhesive agent
- Screen or sublimation printing
- Textile Decal: based on an adhesive ribbon, a pattern in one or more pieces is laser cut and then laminated with a liner. This allows to easily positioned the pattern on another support.

Laurent HERAUD
lheraud@rubans-heraud.com

www.rubans-heraud.com

BOOTH

12.1 A88

IFTH

IFTH is a center of expertise and innovation, from the acquisition of knowledge to their transformation into know-how, then into skills and technologies.

Processes



application
areas

Clothing, geotextile, industry, personal protective equipment.

products

IFTH provides:

- strategic and technical intelligence,
- research project management,
- textile and clothing expertises and trainings,
- labelling and certification (PPI, OEKO-TEX, allegation...),
- textile process prototyping from yarn to final product,
- advanced functionalisation (plasma, metallisation...),
- product performance evaluation.

Laurent CASTILLO
contact@ifth.org

www.ifth.org

BOOTH

12.1 A94

JET METAL GROUP LES FILS DE LYON

Les Fils de Lyon (former R-Stat) and Jet Metal have merged to create a key player in the textile field offering fibers, yarns, woven, knitted and nonwoven metallising solutions. Through their innovations and industrial capacities, the company supplies all metallised functional surface treatments.

application areas

Medical, automotive, sportswear, aeronautic, smart textile, industry, hygiene, home, clothing, defense, agriculture, protection,

products

Functionals silver metallisation on several materials for EMI shielding, IR reflectivity, anti-microbial, electrical conductivity, heating surface, smart textile and antistatic. High electrical conductivity and resistance to high temperatures.

innovations

Merged from a 40 years' experience company and an university's R&D technology, Les fils de Lyon Groupe Jet Metal proposes a unique innovative know-how in the field of textile silvering.

Processes



Pascal PENINON
p.peninon@r-stat.com
www.r-stat.com

Sébastien FOURNERON
s.fourneron@jetmetal-tech.com
www.jetmetal-tech.com

BOOTH

12.1 A87

JRC REFLEX

JRC REFLEX specialises in retro reflective, elastic fabrics and trimming. The company has developed a wide range of high performance fabrics, targeting active sports apparel end-uses from first layer to outerwear. Custom-designed products are an important portion of the company's business, of which 98% is exported.

Processes



application areas

Sports and leisure, outdoor, fashion, furnishing, automotive, moto.

products

- Retroreflective stretch on knitting fabric,
- Retroreflective stretch on non-stretch fabric,
- Retroreflective piping,
- Retroreflective stretch tape,
- Both retroreflective stretch,
- Tape retroreflective stretch piping...

innovations

JRC REFLEX introduces dual-tone retro-reflection. White Metal and Black Metal add a new design feature to retro-reflective materials by introducing the possibility of varying the color they will reflect when hit with light. The company has developed a dyeing method that enables the micro-bead embedded material to reflect a different color when a source of light is directed at it. The standard range pairs white or black with the pastel tones, but the company can customise the color combination to a brand's specific needs. The glass bead-embedded materials are available in a stretch fabric for easy integration into activewear styles.

Céline CUGERONE
info@jrc-reflex.com

www.jrc-reflex.com

BOOTH

12.1 A83

MASSEBEUF TEXTILES

Massebeuf Textiles is a key player in engineering and manufacturing technical and functional yarns, thanks to its strong and evolving know-how and its core culture of innovation & quality.

Yarns



application
areas

Medical, clothing, industry, protection, sports.

products

- Silicotex[®], enhanced anti-slippery properties for comfort and breathability.
- Protectio WR, a water repellent composite yarn for optimal cut resistance and flex.
- Covered elastic yarns fit many applications in both knitting or weaving.
- Conductive yarns with metallic wire in various yarn construction regarding the conductivity needed.

innovations

- New: Abrasion Resistant yarns based on a large offer of core yarn for better protection and durability.
- C-Silicotex[®], combining stretch and anti-slippery properties into a single yarn for easier knitting and better comfort.

Anne BOUCHET-LAMBERT
projet.innovation@massebeuf-ft.com

www.massebeuf-textiles.com

BOOTH

12.1 A89

MDB TEXINOV

MDB Texinov is a French industrial company created in 1972, specialised in the production of technical warp-knitting fabrics, smart textiles, nonwovens meltblown and, since 2020, protective masks.

Processes



application areas

Agriculture, meshes for medical applications, medical devices, industry, automotive, aeronautics, construction, energy, transport, agrifood, chemistry, events.

products

- Nets for crops protection & climate-control
- Textiles for medical devices (implant, wound dressing, phototherapy)
- Protection masks
- Technical textiles (reinforcement, 3D spacer, composite frame)
- Meltblown nonwovens
- Smart textiles

innovations

- Luminous textiles (phototherapy, design, etc.).
- Mechanical performance textiles.
- Bio-based and compostable textiles.
- Smart textiles (sensors, detection, etc.)

Anne PLAT
aplat@texinov.fr

www.texinov.com

ON TECHTERA'S
 BOOTH

12.1 B93

MONTDOR

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

Processes



application areas

Automotive, sports and leisure, composites, upholstery, luggage, personal protective equipment, medical, garments, wall-coverings.

products

Montdor offers:

- embossing and deep-embossing up to 340 cm,
- molding up to 190 cm,
- bonding by calendaring up to 320 cm and hot-melt up to 180 cm,
- dot print anti-abrasion and anti-slip up to 170 cm,
- transfer printing up to 320 cm,
- pleating,
- crushing...

innovations

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...

Étienne GUERET
etienne.gueret@montdor.fr

www.montdor.fr

ON TECHTERA'S
BOOTH

12.1 B93

MOULINAGE DU SOLIER

Recognised specialist, the company works with all types of technical yarns. From 22 dTex to 25,000 dTex, it offers ply doubling yarns, twisted and cabled yarns, covering yarns, coated yarns, thermofixed yarns and bespoke yarns.

Yarns



application
areas

Industry, automotive, aeronautic, medical, sports and leisure, protection, furnishing.

products

- Nexocolor™: *colored fire resistant yarn.*
- No'Emi™: *electromagnetic protection and conductive yarn.*
- Bespoke twisted, covered and coated yarns.
- Smart yarn.

innovations

T.R.Y. is a thermochromic yarn which changes color immediately when heated to a specific temperature. As the yarn cools it quickly reverts to its original color.

Other possible functional threads in B to B creation.

Pierre-Yves SUCHAIL
contact@moulinagedusolier.com

www.moulinagedusolier.com

BOOTH

12.1 A85

NEYRET

Since 1823, Neyret has been providing brands around the world with creative engineering expertise in the production of ribbons, labels and luxury textile accessories. Driven by values of passion, excellence and respect with a strong emphasis on Corporate Social Responsibility, Neyret enhances its traditional know-how with strategic innovations in digital service and eco-design.

Processes



application areas

Luxe, fashion, cosmetics, perfumery, gastronomy, hotels, jewelry...

products

Neyret products offer technical, creative and sustainable solutions in the fields of identification, decoration, authentication and traceability.

Woven labels, textile labels for traceability:

- woven labels with Qr Code,
- RFID label,
- labels with anti-counterfeit technology,
- markers...

innovations

Neyret has been integrating smart technologies into its products for several years to meet the identification, authentication, traceability and digital communication needs of brands.

Nicolas BERNARD
nbernard@neyret.com

www.neyret.com

BOOTH

12.1 B92

ORION

Specialised in nonwovens, technical or complex materials shaping, Orion is positioned as a "100% Made in France" subcontractor in cutting, shaping and assembly.

Processes



application areas

Technical textile, aeronautics, health, luxury, leather goods, perfumery, packaging, security, defense, paramedical, hygiene.

technologies

- Ultrasonic cutting and welding,
- thermal welding,
- thermoadhesive films,
- presses,
- sewing,
- credit card holder lining shaping,
- realisation of reinforcements or linings of bags,
- magnet encapsulation.

innovations

- Innovative ultrasonic cutting and assembly method:
 - aesthetic cut, clean, without fraying,
 - aesthetic and ecological assembly: without glue, sewing or smell.
- Powder dosing and bagging.
- Production in clean room.

Marina BERTHON
m.berthon@orion-fr.com

www.orion-fr.com

ON TECHTERA'S
BOOTH

12.1 B93

OTEGO

Otego is a world specialist in technical fabrics for applications requiring heat and flame protection, release coatings and abrasion resistance. Located near Lyon, Otego exports 85% of its production to more than 110 countries and has offices on the 5 continents.

Processes



application areas

Technical textiles, machine protection, personal protective equipment, industry, automotive, aeronautic.

products

Coated and laminated fabrics:

- 5471: aramid coated with PU for laser machines bellows.
- 5422: PU coated fabric for aircraft and helicopter covers.
- 4585: alluminised fabric for PPE resisting to molten metal splashes and radiant heat.
- FLEXITOP: silicone coated fabric for dump trucks, compactor skirtings.

innovations

FIRESHIELD: a four-layer complex for fire entry and proximity suits. This aramid material is laminated with aluminium to provide a highly reflective surface that shields firefighters from extreme heat and intensive use. It is odourless, chemical, abrasion resistant and the lightest solution on the market with a weight under 1 000 gpm.

Thierry MOSA
info@otegotextile.com

www.otegotextile.com

BOOTH

12.1 C100

PORCHER INDUSTRIES

Porcher industries is a global leader in technical textiles and high performance thermoplastic composites. With the help of its 1 650 employees spread across 3 continents (Europe, China, United States and Brazil), Porcher industries designs and produces innovative materials with properties tailored to highly targeted uses.

Processes



application areas

Aeronautics, defense, automotive, construction, industry, sports and leisure.

products

- Fabrics,
- prepregs,
- laminates,
- laid scrimms,
- mats,
- coated yarns.

innovations

Recognised worldwide as the pioneer of its sector, Porcher industries assists its clients' R&D departments from the early stages in order to help them anticipate the technological developments of tomorrow in terms of lightness, performance and comfort.

Dominique SUR
dominique.sur@porcher-ind.com

www.porcher-ind.com

BOOTH

12.1 A84

PRONEEM

Proneem is a global leader in biotechnology solutions for textiles, using vegetal active ingredients. The company offers added value to its clients textile by bringing smart and dynamic technology.

Processes



application areas

Home, clothing, sports & leisure, cosmetic, parapharmacy, medical, industry.

products

Based on microencapsulation, Proneem provides a large range of products dedicated to all type of textiles and industries.

The scope starts from biocide to cosmetic by way of thermo regulation.

innovations

Proneem is the only anti-dust mites technology to be granted by a marketing authorisation by the European Commission. Protector35 starts a new generation of anti-insects for textile which combines innocuity and efficiency.

Tin FONG HUYNH
tin@proneem.com

www.proneem.com

BOOTH

12.1 B94

SASYTEX

Sasytex is specialised in the engineering and the production of technical fabrics. From a requirements specification (that could be helped to build), the company offers the textile answering to its customers need.

application areas

Defense (army and police), industrial, workwear, corporate wear, composite, personal protective equipment, medical, agri-food fields.

products

Sasytex develops and customises technical textiles with natural or synthetic yarns. Sasytex is specialised in abrasion resistance with CORDURA® fabrics – blends or 100% high tenacity nylon 6,6 filament yarns. High abrasion resistance, coated and multi-layered textiles, waterproof, water repellent, breathable, composite, flame retardant, recycled or bio sourced (linen for composites).

innovations

- Recycled polyamide and Cordura®.
- Solution dyed (dope dyed) Cordura®, a better solution for the environment.
- Nylon and cotton blended stretch fabrics for better abrasion resistance

Processes



Aurélie MANON
amanon@sasytex.com

www.sasytex.com

BOOTH

12.1 A98

SATAB

Independent French family-run business, Satab creates weaves and knits ribbons, braids, cords, webbing and other narrows, stiff or elastic textiles items.

Processes



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

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

Marc PIAULET
mpiaulet@satab.com

www.satab.com

BOOTH

12.1 A97

SOPARA

Sopara is one of the well-known leaders for infrared equipment, especially dedicated to new technologies in the fields of textile, composite materials and automotive and is also very active in all industrial fields. With its own in-house R&D department and a testing laboratory, Sopara designs and manufactures custom-made solutions.

Machines



application areas

Textile, composite materials, automotive, aerospace, paint, agri-food industries.

products

- Short-wave infrared heaters,
- high performance medium-wave infrared heaters,
- electrical infrared heaters and ovens or tunnels for drying and polymerization of various coatings (resin, adhesive, silicon, ink, latex, PU, PVC, PTFE) on various substrates (fabrics, non-woven, technical textiles, yarns),
- heating of running product before calendering, embossing or laminating,
- infrared heating cylinders.

innovations

- Thermoplastic melting ovens to prepreg carbon fibers up to 450 ° C.
- New infrared heaters for heating with perfect homogeneity thermoplastic composite plates for the aerospace industry.

Pierre PINET
ppinet@sopara.com

www.sopara.com

BOOTH

12.0 E33

STEVTISS - TISSTECH

Stevtiss has an experience of almost 40 years in the design, development and manufacture of technical textiles. Its integrated production tool (R&D, warping, weaving, impregnation, cutting and making) allows the company to respond to specific requests while being reactive. Know-how and innovation "Made in France" are the guarantee of its quality.

Processes



application areas

Iron and steel, aeronautics, nuclear, electrical, automotive, rail, maritime and composites industries.

products

Its raw materials are glass yarn, silica, carbon, aramid, synthetic yarn. The catalog is representative of all the developments carried out in collaboration with its customers: high temperature filtration, insulation, prepegs fabrics...

innovations

Its flagship product is a flagship service: taylormade.

Marc STEVENIN
m.stevenin@stevtiss.com
 Sophie JACQUEMOT
s.jacquemot@stevtiss.com
www.stevtiss.fr

BOOTH

12.1 A90

TECHNI SANGLES

For more than a 100 years, Techni Sangles (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.

application areas

Personal protective equipment, outdoor sports equipment, industry and military applications, fashion and luggage.

products

Technical webbing with strength and high tenacity materials such as, narrow wide webbing, elastic webbings.

innovations

Techni Sangles engineering innovative narrow wide webbings for belts and for harnesses, elastic webbings for tools holders and for lanyards.

Processes



Dolorès RELAVE-PUIG
drelavepuig@technisangles.fr

www.technisangles.fr

BOOTH

12.1 C96

TEXTI SONICS SAS

Texti Sonics designs and manufactures its specific range of ultrasonic welding and sealing / slitting devices. These equipment offer a great technical versatility for straight or curved operations, or multi layers in continuous assembling, in multi-spots sealing, joining end to end narrow or wide webs...

Machines



application
areas

FIBC industries (big-bags...), machines and looms manufacturers, packaging, technical textiles, geotextiles, non-woven, medical, awnings, plastics, flexible products...

technology

For "synthetic thermo-fusible fabrics", the sealing/slitting technology improves the finishing of the fabrics with:

- with very strong, soft and clean sealed edges (no fraying),
- with high productivity of the sealing and slitting operations,
- without any over-thickness,
- with the respect of original colours of the products to be converted,
- without any burn or not even yellowing.

innovation

Its worldwide patented "approach system" is called "Sonic Touch Control". This STC process guarantees optimal cutting results and enables a lowest wear of sonotrodes and tools.

Pietro ABATE
contact@textisonics.com

www.textisonics.com

BOOTH

12.0 A28

THIMONNIER

Thimonnier, specialist in welding of flexible materials for over 70 years, has a recognised expertise in radio frequency. The French company fully designs and builds its presses and generators.

Machines



application areas

Leather working, paramedical/medical, plastic paper mill, automotive industry, welded clothing, blister, taut structures.

products

RF Thimonnier presses and welding machines have a pressure capacity of up to 30 KdaN and are equipped with generators with a power between 400 W and 30 kW RF, in accordance with the current CE-CEM regulations.

innovations

Due to the obsolescence of triodes, Thimonnier has designed its first solid state generator of 400 W HF on 40-68 MHz for medical applications. This compact generator will also be used for our manual welders.

Romain CHRISTOPHE
romain.christophe@thimonnier.fr

www.thimonnier.com

BOOTH

12.0 A30b



techtera



TECHTERA

91 bis chemin des Mouilles
69130 Écully
FRANCE

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

www.techtera.org



GRANDLYON
la métropole

UNITEX
Auvergne-Rhône-Alpes