





## A word from the President



Philippe SANIAL PRESIDENT OF TECHTERA

2

The results are very satisfactory: manufacturers have
successfully adopted the tools deployed by the French government and Europe.

Techtera is now halfway through its four-year performance contract, which defines its strategic roadmap to accomplish its mission: Strengthen the competitiveness of the national textile industry through innovation. This strategic framework, which guides all the Cluster's actions, was the subject of a detailed review presented in December 2024 to the Government and Regional authorities.

This mid-term review highlights how manufacturers have successfully adopted the tools deployed by the Government, particularly as part of France 2030 programme, and by Europe, which is investing nearly €100 billion in innovation through Horizon Europe.

The results are very satisfactory: Techtera supported fifteen R&D projects funded under France 2030, representing a budget of €46 million, as well as eleven European R&D projects receiving €46 million in support.

Furthermore, the Auvergne-Rhône-Alpes Region signed an agreement with the textile industry for a more virtuous and sustainable economy. This agreement brings together three key players: Unitex, IFTH, and Techtera. As part of this agreement, a mapping of production waste and dormant stocks was achieved. Techtera also supported organisational projects in the textile sector, such as PATENTH and ORATEX.

This positive momentum illustrates the ability of SMEs (small/medium enterprises) and medium-sized business in our sector to constantly excel and innovate. Also, we have the ability to help you achieve your goals. The year 2025 promises to be full of challenges – and opportunities...

The Techtera team is at your disposal to build tomorrow's solutions together!



The ISO 9001 for Techtera's quality management system.



The European Cluster Management Excellence Label Gold for Techtera's highly sophisticated management and dedication to continuous improvement.



# Highlights

Major regional agreement for a sustainable textile industry in Auvergne-Rhône-Alpes

## A textile industry undergoing full transformation

The Auvergne-Rhône-Alpes Region is the leading textile region in France. It represents nearly 30% of firms in this sector throughout France. Faced with the major challenge of reducing the textile sector's carbon footprint, Unitex, in partnership with Techtera and IFTH, signed a landmark agreement with the Auvergne-Rhône-Alpes Region on April 11, 2024, aimed at promoting a more virtuous and sustainable economy, called the "Voluntary Sector Agreement in favour of the Circular Economy". This ambitious commitment is based on close collaboration between these three key players. Together, they are working on four main strategic axes:

- Support the transition of enterprises to more responsible models,

- Optimise the management and recovery of post-production textile materials,

- Encourage eco-design and waste prevention,

- Improve the sector's energy and water efficiency.

With a budget of €500,000 over 2.5 years, this project mobilises existing expertise and interactions to accelerate the sector's transformation. By combining innovation and responsibility, it offers local businesses concrete levers to strengthen their competitiveness and respond to environmental challenges.

The future of textiles in Auvergne-Rhône-Alpes is thus being written with ambition and commitment!

#### Mapping and valorisation dormant textile deposits in Auvergne-Rhône-Alpes

As part of the voluntary sector agreement, Techtera maps production waste and dormant stocks. This analysis, plus a procedure developed by Techtera, have made it possible to identify and typify more than 735 tons of deposits. This work will continue in 2025.



## Techtera supports strategic projects in the textile industry: PATENTH and ORATEX

Techtera is firmly committed to strategic projects to strengthen the value chain of the French textile industry. These concerning the challenges of innovation, industrial sovereignty, and sustainable transition. Through the PATENTH and ORATEX initiatives, Techtera contributes to their visibility and development by coordinating the ecosystems. PATENTH, led by the IFTH (French Institute for Textiles and the Textile Industry), offers innovative tools and methods to assess, improve, and certify the environmental performance of textile products throughout their life cycle. Furthermore, Techtera and the IFTH are partners in ORATEX, led by Massebeuf Textiles, which aims to establish a centre for multifilament spinning and yarn processing under industrial conditions. Techtera thus helps to strengthen the competitiveness, sustainability and resilience of the textile industry.

## Techtera's key figures

- 267 members
- 25 projects funded, including 5 European projects with a total budget of €60,8 M
- 23 projects labelled in 2024
- 40 projects submitted in 2024

## Technology roadmap 2023-2026



Sustainable & circular economy

#### Recycling

Natural and biobased fibrous materials

Non-regulated, biobased alternatives for textile chemistry

Processes with low environmental and health impacts - Traceability

## • 3 STRATEGIC PRIORITIES •



Digitalisation of product design and development

Digitalisation of manufacturing and learning factories

Digitalisation of the value chain, new business models



High performance materials

High-performance, low-impact materials

Smart/connected textile materials and systems

Materials for the energy transition

Multifonctional properties of materials for difficult environments



Research & Development Innovation

INITIATE / TAKE

action to increase the competitiveness of companies - through Research and Innovation.

## • 3 INTERVENTION STRATEGIES •



business growth through Economic Development.



#### SUPPORT

initiatives for skills development and training.

# **Bringing out innovation**

## Techtera runs numerous workshops and thematic clubs

#### 9 workshops 212 participants

#### Natural dyes for textiles

Reducing the energy and water impact of processes, particularly finishing processes

Digitalisation for the management of industrial textile effluents

How can you use Artificial Intelligence to speed up the development of your textile materials and processes?

Presentation of solution providers on the digitisation of processes (POLYTRONICS project)

Presentation of solution providers for the development of intelligent textiles (POLYTRONICS Project)

Simulation of textile and composite assembly processes and properties

Artificial intelligence for quality in the textile industry

Techday: case study of connected tights

## Current thematics working groups

#### 6 groups 33 participants

Natural fibres reinforced with graphene

Digitalisation in the cultural and creative industries

Flexible protection for combatants

Upercritical CO2 finishing

Knitting 4.0

Plastronics for health

## **Techtera clubs**

#### 58 members

- Club IDF: Industry of the Future
- Club STeW: Smart Textile & Wearables
- Club RECIT: Recycling and Circular Economy in the Textile Industry

## Techtera runs numerous workshops and thematic clubs to bring out innovation.

This year, members of the clubs explored a number of themes with experts and took part in visits that were a source of inspiration and collaboration:

- Green alternatives, water management and recycling watch
- Connector and interconnection
- Cyber management
- Decarbonisation of textile processes
- Visit to CHOMARAT Safety and ergonomics, taking better account of people
- Visit to CEA Grenoble Conductive materials
- Visit to GEMTEX Integration of sensors at different scales, Recycling of e-Textiles
- Visit to the Ampère laboratory INSA Lyon Prototyping intelligent products on flexible substrates
- Visit to CETI Recycling processes
- Visit to IPC Recycling complex materials and green primers

## TESTIMONIAL Club STeW

"We joined the STeW club to gain insight into advances in smart textiles and to enable us to find and explore new applications for our products.

This club gives us the opportunity to visit research centres, laboratories and schools, leading to highly enriching interactions and exchanges; not only with the people we meet, but also with the other club members.

At the conclusion of our workshops, we were able to organise ourselves internally and develop R&D projects with partners."



Nicolas CHEYNET Head of Quality Methods and Certifications BERTHEAS



# **Supporting innovation**

25 projects labelled by Techtera were financed, for a total budget of €60.7 million. Among them, Five European R&D projects, with a total budget of €37.6 million. Since 2005, 318 projects have been financed for the sum of €759.47 million.

## **R&D projects financed**

AIRSWING

#### Develop a technological solution for regulating humidity in various industrial sectors

#### AMPOULIER THERMOREGULÉ

Design a solution to maintain small containers (for medical purposes, etc) at a temperature of 15°C in an environment with extreme external temperatures.

#### ----evelon smart cli

ARMETISS

Develop smart clothing and equipment incorporating advanced technologies to improve the performance, safety, and well-being of soldiers.

#### **BLOCKCHAIN LOCAL**

Promote local textile industries through the eco-design of textiles and materials based on wool and bio-sourced dyes, using short supply chains; – for the fashion, architectural and design sectors.

#### CAP-3R

Train current and future employees in the plastics and composites industry concerning the challenges of recycling, recyclability, and the integration of recycled materials into production.

CELLUMAISON

fraction of multi-

CONDOR

Separate the cellulosic

component textile waste

from the synthetic fraction.

ENNOBACARB

Assess the benefits of modifying the thermal management of a washing machine (installation of heat exchangers, potential for electrification).

#### GAMMAO LCA

Design smart textile connectors and develops concepts concerning connector technology on a strap or belt.

Analyse the life cycle assessment (LCA) of the Gammao triboelectric jacket in relation to different energy sources.

14 mm	GLOBUL	HEATBAG
	Create and designs new hybrid solutions "Textile Compression/Digital Optronics". This is to improve the management	Develop a heating insert for the kitbags of military personnel.
	of venous leg ulcers and reduce their recurrence.	HOMETEX
	GLORECA	Chimically recycle, on a pilot scale, complex polyester-based materials from mattress ticking
hing f ıtial	Develop a new silicone- free medical compression product.	(tightly-woven textile, holding the mattress filling in place); to produce 100% recycled yarn.
		ORATEX
he		Develop a multifilament spinning and yarn processing centre – under industrial conditions.

#### PAG OUTILS DE PROD

Create a manufacturing unit.

#### SOLSTICE

Develop replicable circular strategies for sustainable and carbonneutral textiles across four European regions – using the 5R approach (*Refuse, Reduce, Reuse, Recycle and Return to the Earth*).

#### TEDDY

Develop an acoustic sock for a compressor.



Reinvent the textile waste sector by halting exports, promoting local reuse, organising an industrial network, and optimising waste recovery.

#### TILIAO

Adapt a fabric digitalisation system to monitor roll quality.



#### USKAN

Optimise industrial products and processes through continuous material health monitoring, using terahertz waves.

#### VACOFFLT

Recover end-of-life ticking (tough outer material) by recycling textile waste (pure or mixed). Provide effective methods to protect European vineyards from climate threats. Thereby improving the yield and quality of vines and wines.

#### VIRHEALTH

VINOSHIELD

Establish a technical unit to evaluate the performance of antimicrobial products throughout their life cycle – using wear procedures that represent the conditions of usage.

## TESTIMONIAL Stocks and Offcuts: We recycle waste

"I have been a member of Techtera's Innovation Commission since 2021. To be responsive, we meet every one to two months via videoconference. This is to hear and question project leaders; often industrialists but also academics, who are requesting approval from the Cluster. At each meeting, we have around six to eight experts, independent and voluntary, with different perspectives and backgrounds. This allows us to cover different aspects of the projects. For me, the Innovation Commission is an observatory of the concerns of textile manufacturers in the broadest sense. It gives me a clearer idea of how industrialists respond to calls for projects. It has enabled me to become aware of the wide range of public support available for them."



#### Marie-Ange BUENO

University Professor ÉCOLE NATIONALE SUPÉRIEURE D'INGÉNIEURS SUD ALSACE (ENSISA) LABORATOIRE DE PHYSIQUE ET MÉCANIQUE TEXTILES (LPMT)



# Supporting development

Techtera undertakes numerous actions aimed at stimulating the economic development of its members.

## International support

## 41 companies accompanied or supported

- Exhibition: JEC WORLD (Composites)
- Exhibition: Techtextil (Technical textiles)
- Mission: Australia
- Hosting of Flemish delegation



## TESTIMONIAL Support at the Techtextil trade fair

"Throughout the entire trade show preparation phase, Techtera listened to us and promptly answered all our questions. Our special contact person even offered suggestions when we encountered difficulties. This invaluable assistance made our lives much easier and, above all, it saved us a lot of time!

We received five-star service throughout the show.

Finally, Techtera even took care of the formalities involved in obtaining financial support for our participation at Techtextil, and Techtera promoted our company on LinkedIn, among others.

The excellent location of our stand, combined with all the promotional efforts, made this show a real success."



#### Cécile GUILLERMIN Sales Manager Europe &

Europe & Customer Care OTEGO

## Support growth

#### Themes of the Competitiveness & Intelligence Workshops 18 workshops • 737 participants

#### MARKETS

- Support for the organisation of the Techtextil trade fair
- Development opportunities in Australia

#### CYBERSECURITY

- New requirements in terms of cybersecurity
- Preparing for changes in cyber requirements for defence contractor

#### FINANCING

- New European calls for projects for circular economy
- Call for internationalisation projects in Australia (EuroBoosTEX project)
- European Defence Fund
- European funding 2024
- Private funding

#### CIRCULAR ECONOMY

- Life cycle analysis of bio-based products in different fields of activity (CALIMERO project)
- Tomorrow's textiles 3 round tables on the circular economy (Unitex, Ciridd, Techtera)

#### WATCH FEEDBACK

- Korea: how is technology influencing the clothing industry?
- Ecomondo trade fair (Ecological transition)
- Mecaplastronic trade fair Connection (Mechatronics, Plastronics, Printed Electronics & Intelligent Textiles)
- Techtextil trade fair (Technical textiles)
- SmartX trade fair (High-Performance Materials)

## **BtoB Meetings**

## Studies / Support

#### 6 meetings · 690 participants

- Decarbonisation players and textile manufacturers, BtoB meetings for a more sustainable textile industry (ALLICE, Unitex, Techtera)
- Stocks and Scraps: Recycling industrial textile waste!
- DGA PME Tour: Security and defence
- Meetings of the textile and equine sectors of the Hippolia & Techtera networks
- 3 France Innovation Meetings: Materials -Aeronautics - Defence & Security
- Forum IDEE: Forum Innovation Defence Entreprises - Technological leaps in a war economy

Mapping of players in the clothing industry

- Mapping Europe's flax industry: collaboration, growth and sustainability for biocomposites (Biostruct project)
- Visibility, dissemination and exploitation of results - Example: support for the ORATEX and PATENTH projects

Event on the decarbonisation

of the textile industry

Promoting public/private partnerships

## Structuring the recovery of industrial textile waste: A collective mobilisation in Lyon

### 121 participants

On November 27, 2024, industrial waste deposit holders, recyclers, and public organisations met at the Lyon Metropolitan Centre during the "Stocks and Offcuts, We Recycle Textile Waste". Organised by Techtera in partnership with Lyon Pacte PME, this event led to more than 200 contacts in the textile value chain. Techtera also launched its practical recovery guide for those working with the textile sector.



#### 44 participants

As part of the partnership established between ALLICE and Techtera, the Cluster collaborated with ALLICE and Unitex to co-organise the day "Decarbonisation stakeholders and textile manufacturers, BtoB meetings for a more sustainable textile industry". The event presented decarbonisation solutions adapted to the energy challenges of textile enterprises.



## **TESTIMONIAL** Stocks and Offcuts: We recycle waste

"The mapping of production offcuts triggered an internal discussion on their optimisation, allowing for a precise assessment of the nature and type of textile offcuts; thanks to a rigorous diagnosis and selfassessment.

Furthermore, the "Stocks and Offcuts" event on November 27th was a fruitful day; fostering rich debates and ideas among those working in the recycling and recovery business; also, discussions between manufacturers facing similar issues. This meeting initiated several promising contacts for the future."



Jennyfer WEIMMERSKIRCH Head of innovation and ecoresponsibility - SOFILA

# Taking part at a European level

## New interclustering project

#### Aster



The ASTER project, led by the Auvergne-Rhône-Alpes Region and supported by a  $\in 2.6$  million budget, aims to develop solutions and recommendations to improve the prevention and management of polymer waste in the Alps. The three-year project will focus particularly on products specific to mountain aeras made of textile and/or plastic, and the harmonization of economic policies across the Alpine area. The 11 project partners represent five Alpine countries: France, Germany, Italy, Austria, and Slovenia.

#### How?

- By deepening the understanding of the geographical, legal, technical and political aspects related to the prevention and management of textile and plastic waste in the Alpine region,
- By supporting the development of sustainable and circular products tailored to the specific needs of mountain regions, along with proven related business models, to evaluate the various procedures arising from the "5R" strategies,
- By stimulating real action procedures to propose solutions to industry and public authorities; and establish more sustainable and resource-efficient value chains.

## Current interclustering projects

EUROBOOSTEX: Innovation and internationalisation of European SMEs green and digital transition (2022-2025).

MINASMART: Digitisation of corporate support functions in the Auvergne-Rhône-Alpes (2023-2025).

POLYTRONICS: Digitisation of French polymer and textile companies (2023-2025).

ALPTEXTYLES: Development of joint solutions for the relocation of Alpine textile value chains, so that they become sustainable, circular, innovative, sensitive to heritage and consumers (2022-2025).

REGIOGREENTEX: Strengthening the circularity and resilience of European textile value chains by supporting 26 pilot projects and setting up support services for the green transition(2023-2025).

REC-N-COMP: Internationalisation of European SMEs sustainable composites (2021-2024). Techtera is a partner in 7 interclustering projects in 2024.

## **Cascade funding Management**

"Cascade funding" is a European Commission financing mechanism. It allows projects supported by Europe to also launch calls for projects, enabling European SMEs to obtain direct financing. The European EuroBoosTEX project, in which Techtera is a partner, has implemented this type of financing and thus made it possible: To fund textile innovation projects; To stimulate the "green and digital transition" of European textile SMEs; and boost their international competitiveness. This system has numerous advantages. Application forms are simplified. They allow for funding of short-term projects, up to 18 months, and generally promote agile management of European funds.

### TESTIMONIAL Cascade funding Management

"Techtera presented us with the European EuroBoosTEX call for projects, an initiative promoting the revival of the textile industry through the digital and ecological transition. Thanks to their support, we identified the ideal partner and received invaluable assistance in preparing and managing our application.

This project enabled us to obtain a grant of €30,000 for ourselves and €30,000 for our partner. We equipped our heaters with gas meters and set up a real-time energy monitoring centre; thereby, reducing our environmental impact.

Without Techtera's support, we would never have embarked on such an initiative."

Pierre PELERIN Projects Manager DOLLFUS & MULLER



## Techtera is a partner in 5 European R&D projects in 2024.

## New R&D projects



The ambition is to develop a set of smart clothes and equipments integrating advanced technologies to enhance the performance, safety, and well-being of soldiers during military operations. With a budget of €22 million, the project brings together 18 partners, including Techtera alongside three of its members: clim8, Chamatex et l'ENSAIT.

#### How?

- By unlocking the potential of smart textiles for personal protection equipment through the integration into state-of-the-art soldier system: thermo-regulation, data-monitoring and communication systems,
- By working on cost-effective and environmentally friendly solutions, to provide Europe with a distinct commercial advantage in the production of defence clothing and equipment.



The aim is to develop replicable circular strategies for sustainable and carbon-neutral textiles in four European regions, based on the 5R approach. The consortium consists of twenty-four European public and private organisations, including nine in France, covering the entire textile and plastics value chain – combining scientific and industrial expertise.

#### How?

- By incorporating all stages of waste prevention and management following the 5R methodology: Refuse / Reduce, Reuse, Repair, Repurpose, Recycle,
- By testing its concepts in 4 regions across 4 European countries (France, Spain, Italy, Germany) with complementary characteristics (ranging from small towns to regions),
- By addressing new automated sorting solutions, as well as the chemical recycling of 4 major types of sector polymers: polyester, polyamide, elastane, and polyurethane,
- By developing a traceability system based on the "digital product passport" to track materials and prove their origin,
- By designing a decision-making tool to establish viable value chains between recyclers and holders of post-consumer textile raw materials (a tool developed by Techtera).

## **Current R&D projects**

#### BIOSTRUCT

Manufacturing processes for structural and technical composite parts with biobased fibre reinforcements (2024-2026).

#### CALIMERO

Creation of a value chain based on the use of natural fibres (2022-2025).

#### MC4

Recycling processes and circular approaches for carbon and glass fibre composites (2022-2025).



# **Optimizing visibility**

Techtera makes its members and their news, their successes and their projects, known to those working in the sector. Also, to national and international audiences

A monthly newsletter that puts its members in the spotlight

73 MEMBERS featured in the "Spinning info" newsletter in 2024

9.494 SUBSCRIBERS to the newsletter published in French, English and Japanese

24% newsletter opening rate

## **Increased visibility** in 2024. thanks to:

### THE WEBSITE

7 DIGITAL BROCHURES

MORE THAN 57,052 VISITS to the website

LINKEDIN PROFILE

6.447 SUBSCRIBERS to the LinkedIn page

**134,256** IMPRESSIONS

## 5 PRESS RELEASES

highlighting member projects labelled by Techtera that have been funded.

Ways of recovering industrial textile waste for the use of holders.

co-financed by the Metropole of Lyon

Mapping of European flax actors for composites, as part of the **Biostruct project**, co-funded by the European Union















## Key events

## JANUARY

INNOVATION WORKSHOP: Natural dyes for textiles

FINANCING: European Defence Fund

## **FEBRUARY**



COMPETITIVENESS WORKSHOP: Recycling, reuse and circularity of composites (REC-N-COMP)

COMPETITIVENESS WORKSHOP: LCA of biobased products (CALIMERO)

13

## MARCH

WATCH FEEDBACK: Korean mission - how technology influences the apparel industry?

TRADE SHOW: JEC WORLD- Joint Pavilion (Composites)

INNOVATION WORKSHOP: energy for the textile industry

VALORISATION WORKSHOP: The living textile heritage of the Alps



## **APRIL**

TECHNICAL DAY & BTOB MEETINGS: PME DGA Tour

INNOVATION WORKSHOP: Digitalisation of the management of industrial textile effluents

INNOVATION WORKSHOP: How to accelerate the development of your textile materials and processes with AI ?

COMPETITIVENESS WORKSHOP: Australian market opportunities for the textile industry



TRADE SHOW: TECHTEXTIL - Collective Pavilion (Technical Textiles)

### MAY

FINANCING: European call EuroBoosTEX

New European calls for projects – for circular economy

European funding 2024

## JUNE

INNOVATION WORKSHOP: Presentation of solution providers on process digitisation

BTOB MEETINGS: Materials for the equine market

COMPETITIVENESS WORKSHOP: Circular economy: discover the process of mapping textile production offcuts in Auvergne-Rhône-Alpes

INNOVATION WORKSHOP: Techday case study of connected tights



WATCH FEEDBACK: Techtextil trade show (Technical textiles)



NETWORKING EVENT: Techtera's annual event

### SEPTEMBER



WATCH FEEDBACK: Salon ECOMONDO trade show (Sustainable development)

**NOVEMBER** 



TECHNICAL DAY & BTOB MEETINGS: Decarbonisation players and textile manufacturers

FINANCING: Private finance

TECHNICAL DAY & BTOB MEETINGS: Stocks and Offcuts, We Recycle Textile Waste!

### DECEMBER

WATCH FEEDBACK: Techtextil trade show

WORKSHOPS: Supercritical CO2 Finishing - Knitwear 4.0

## OCTOBER

COMPETITIVENESS WORKSHOP: The future of textiles: Territorial involvement in the circularity of the sector - Water in the textile industry: A resource to preserve - End-of-Life management of textiles

BtoB MEETINGS: France

Innovation Defence &

Security Meetings

COMPETITIVENESS

WORKSHOPS: Simulation

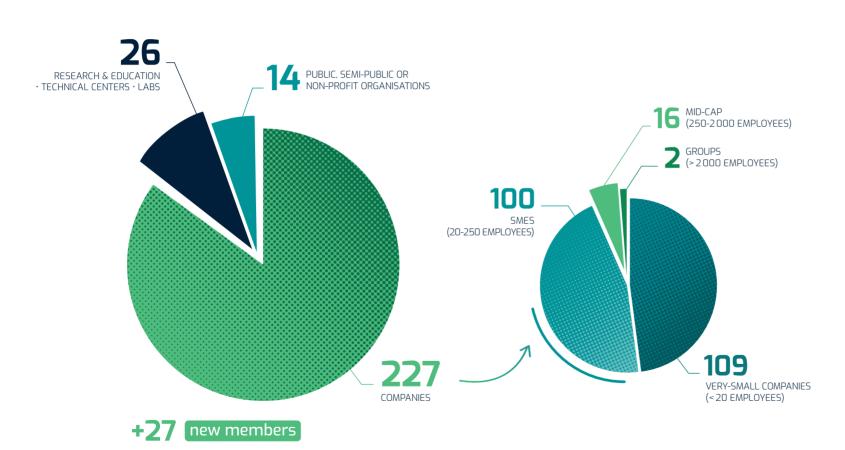
of textile and composite

assembly processes and properties - AI for quality

in the textile industry

# **Techtera members**

## 267 members, including 277 companies and 100 SMEs in 2024.



## TESTIMONIAL New member

"Our membership of the Techtera Cluster is a real accelerator for PETSHKA. The face-to-face meetings organised between members have allowed us to create concrete synergies around shared issues, leading to fruitful collaborations, which we would not have developed otherwise. We particularly appreciate the Cluster's strong commitment to the circular economy, which supports members trying to use more sustainable practices while strengthening their competitiveness. This dynamic network has become an essential pillar of our innovation strategy for the French textile industry."



**Philippe BEILLE** Founder PETSHKA

## Members 2024

**3DEUS DYNAMICS** • 3DTEX · 4F · ACCES · AD MAJORIS · AE2M · AERO TEXTILE CONCEPT · AFELIM (ASSOCIATION FRANCAISE DE L'ÉLECTRONIOUE IMPRIMÉE) · AFITEXINOV · **AIRCAPTIE - MICHELIN** INFLATABLE SOLUTIONS · ΑΚΑΜΜΑΚ · ΑΚΤΙΟ · ALLIANCE MACHINES TEXTILES · ALLICE · ALPEX **PROTECTION** · ALSATEX · ANDRITZ PERFOIET · APF FRANCE HANDICAP • AO-TECH · ARC EN CIEL SERIGRAPHIE · ATELIERS AS · ATELIERS DE TISSAGE DE BUSSIERES ET DE CHALLES (ATBC) ATELIERS DE TISSAGE DE BUSSIERES ET DE CHALLES · ATELIERS D'ENNOBLISSEMENT D'IRIGNY · ATG **TECHNOLOGIES · ATIC** (ASSEMBLAGE ÉTANCHE DE TEXTILES TECHNIOUES) · AURA CHANVRE · AUTHENTIOUE BRODERIE · AUTOUR DU TISSU · AXEL'ONE · AXENS · BALAS **TEXTILE · BARDUSCH ·** BARRISOL NORMALU · **BELINAC · BERTHEAS** & CIE · BG COUTURE · BLANCHARD TECH & YARNS · BLEUFORET -TRICOTAGE DES VOSGES ·

BOI DODUC · BROCHIER TECHNOLOGIES · BS&A · **BUCOL · BUGIS · BUITEX** INDUSTRIES · CALDERA · CANOE (CENTRE TECHNOLOGIOUE NOUVELLE AOUITAINE COMPOSITES ET MATÉRIALIX AVANCES) · CAWE FTB GROUP · CEA-LITEN · CEDREM · CETI (CENTRE EUROPEEN DES TEXTILES INNOVANTS) · CETIA · CHAB · CHAMATEX · CHAVANOZ INDUSTRIE · CHOMARAT · CLIM8 · CLUSTER EDEN · **CNEP** (CENTRE NATIONAL D'EVALUATION DE PHOTOPROTECTION) · COLORATHUR · CORDERIE MEYER-SANSBOEUF · COUBLANC TEXTILES · **CROUVE7IER DEVELOPPEMENT** · CTIPC (CENTRE TECHNIOUE INDUSTRIEL DE LA PLASTURGIE ET DES COMPOSITES) · CTMI (COTTON TEXTILES POUR MATERIAUX INNOVANTS) · CTTN / IREN (CENTRE **TECHNIQUE DE LA** TEINTURE ET NETTOYAGE) · DE FIL EN AIGUILLE · DENIS & FILS · DEVEAUX · DIATEX · DITF · DMC · DOLLFUS ET MULLER · DS + M PORCHERET · DUTEL · ECOLE CENTRALE DE

I YON · FCOMAISON · EFFBE · ELKEM SILICONES · **EMPREINTE LOCALE** · ENSAD (ECOLE NATIONALE SUPERIEURE DES ARTS DECORATIFS) · ENSAIT (ECOLE NATIONALE SUPÉRIEURE DES ARTS ET INDUSTRIES TEXTILES) · **EUROPROTECT** · EVA · EVER INNOV · EXTRACTHIVE · FEAT. COOP · FIBROLINE · FILATURE DE LAINE PEIGNEE D'AJOIE (FLASA) · FINAL ADVANCED MATERIALS · FLIP FLAP · **FONTANILLE · FOTIA** DMT · FREUDENBERG - PERFORMANCE MATERIALS · FRIP'VIE · FUTERRO · GAMMAO · GARNIER-THIEBAUT · **GEOLITH · GEOPACK** INDUSTRIES · GIBAUD · **GILBERT PRODUCTION** · **GLATFELTER · GOLDEN** EYE PAR APOLLO PLUS · GROUPE SAC PERSONNALISABLE · HEIM TEXTILE CONCEPT ET DIFFUSION (HTCD) · HERAUD RUBANS -HNC (HENRI NICOLET) · **OTEXTILE · HOWA** TRAMICO · HTH - HOLDING **TEXTILE HERMES** · HUBACADEMY · HUGOTAG ENNOBLISSEMENT · HUMAN OCEAN · IFP

ENERGIES NOUVELLES · IFTH · IMT MINES · INNOTHERA NOMEXY · INOUID · INSA LYON · INSTITUT CARNOT **INGENIERIE** ISABELLE LAURENT · ITECH · ITODYS LABORATOIRE / UMR CNRS **7086- UNIVERSITE PARIS** CITE · J. ALTHOFFER ET COMPAGNIE · JRC REFLEX · JULIEN FAURE · KAYSER FILTERTECH · KERMEL · **KEYBOP CONSEIL · LA** PETITE MANCHESTER · **OPENFAB** · LA TANNERIE VEGETALE (LTV) · LABONAL · LABORATOIRE GENIE DE PRODUCTION (ENIT - ECOLE NATIONALE D'INGENIEURS DE TARBES) · LABORATOIRES INNOTHERA · LE JACOUARD FRANCAIS · LE TEXTILE LAB · LEAD TECH CLUB 101 · LEIDI HAIR · LES MOULINAGES DE RIOTORD · LES TISSAGES DE CHARLIEU (LTC) · LESAGE PARIS · LIGNES DIRECTES · LIP (LYON INGENIERIE PROJETS) · LPMT (LABORATOIRE DE PHYSIOUE ET MECANIQUE TEXTILES) · LPPI (LABORATOIRE DÉ PHYSICOCHIMIE DES POLYMÈRES ET DES INTERFACES) · LYCEE LA

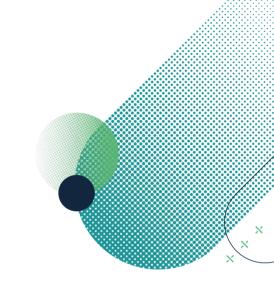
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