POLYMERIS
Competitiveness cluster for rubbers, plastics and composites

Techtera

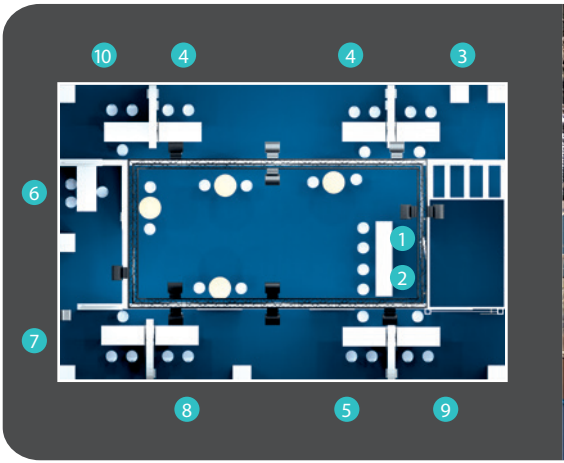
HYBRID COMPOSITE TECHNOLOGIES

TEXTILE

Hall 5, booth F97

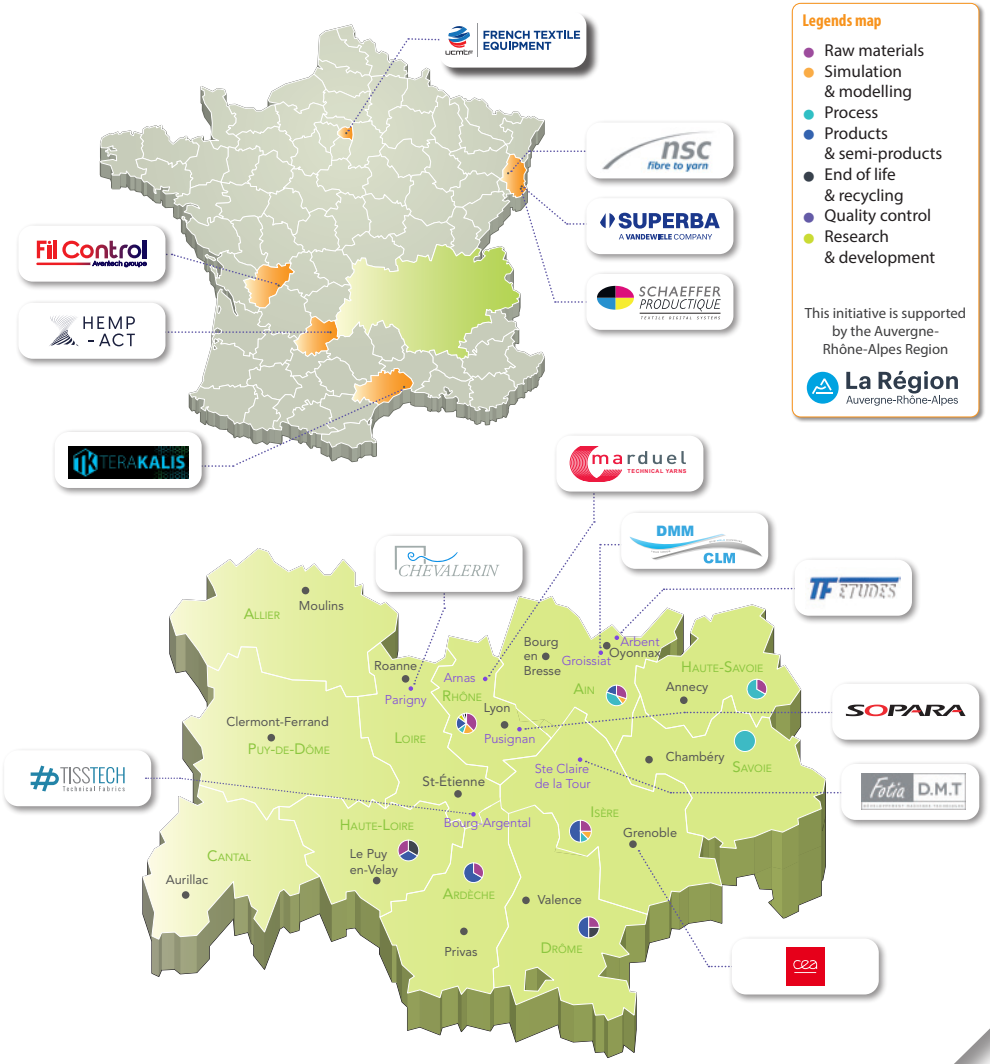
JEC WORLD
The Leading International Composites Show

Summary



Auvergne-Rhône-Alpes Region, the composites industry excellence area

With more than 880 members, including industrial players, academics and research and development professionals, the Polymeris and Techtera competitiveness clusters form a dynamic and extensive community in the field of composites. The Auvergne-Rhône-Alpes region occupies a central position within these sectors. This industry offers a high level of innovation and industrial capacity, providing support for your projects in the field of composites and covering the entire value chain, from raw material to end product.



Projects showcase

AUTOMOTIVE / AERONAUTIC / ENERGY / BUILDING

VIABLE*

- Project coordinator: VITO
- Funding: Life Program under grant agreement n° LIFE20-ENV-BE-000671
- Estimated end: 2025 • TRL 5

Valorisation of lignin biomass into competitive components gradually replacing BPA in the formulation of epoxy resins.

CONVERTIR

- Project coordinator: Chomarat
- Estimated end: 2025 • 4 < TRL < 7

Developing a carbon weaving machine by converting an existing NCF glass line into a line dedicated to the production of unidirectional carbon reinforcements.

DISC-AER*****

- Project coordinator: EENUE
- Funding: ANR
- Start: 2024 • 1 < TRL < 3

Low-carbon flying-wing fuselage for electric regional transport using recyclable thermoplastic composites.

ZEVRA***

- Project coordinator: Fraunhofer IWU
- Funding: European Union's Horizon Europe research and innovation programme under grant agreement n° 101138034
- Estimated end: 2026 • 5 < TRL < 7

Zero emission electric vehicles enabled by harmonised circularity.
Use cases: steel, aluminium (wrought, casting and foam), thermoplastics composites (long and continuous fibre-reinforced), unfiled / short fibre plastics, glass, tyres, rare earth elements.

* Co-funded by the LIFE Program
** Funded by the European Union
*** European Union's Horizon 2020 research and innovation
**** bpifrance
***** anr

ARCHITECTURE / INFRASTRUCTURE & CIVIL ENGINEERING

CALIMERO** Techtera

- Project coordinator : Contactica
- Estimated end: 2025 • 4 < TRL < 7

Calimero is a European Project whose goal is to create a common framework for the Life Cycle Assessment methodologies of certain bio-based industries.

RESOL Techtera

- Project coordinator: Polyloop
- Estimated end: 2024 • 5 < TRL < 7

Develop a recycling solution for PVC textile composites to produce recycled PVC that can be used in plastisol coating processes.

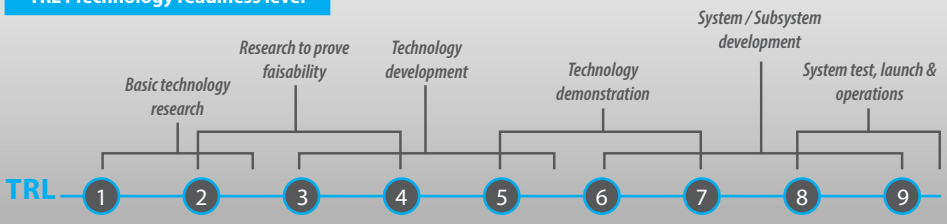
ENERGY

SMART CABLES**** POLYMERIS

- Project coordinator: Epsilon composites
- Funding: BPI
- Estimated end: 2028 • 5 < TRL < 9

The project aims to build a high-temperature composite cable solution and associated tools, enabling network managers to increase their energy transfer capacity and control it reliably and sustainably.

TRL : Technology readiness level



ENVIRONMENT & RECYCLING

RECREATE**

- Project coordinator: Politecnico di Milano
- Estimated end: 2026

REcycling technologies for Circular REuse and remanufacturing of fiber-reinforced composite mATErials.

MC4**

- Project coordinator: Profactor
- Estimated end: 2025 • 3 < TRL < 6

MC4 (Multi-level Circular Process Chain for Carbon and Glass Fibre Composites) is a European partnership aiming to establish circular approaches for carbon and glass fibre composites. After a 3 years implementation, MC4 will make the European carbon and glass fibre value chains more circular, independent and competitive.

BIONTIER**

- Project coordinator: Forth
- Funding : circular biobased Europe joint undertaking under grant agreement n° 101155925 and UKRI grant agreement n° 10137600
- Estimated end: 2027 • 4 < TRL < 7

Breaking Frontiers in sustainable and circular biocomposites with high performance for multisector.

RECOMBINEUR

- Project coordinator: Canoe
- Estimated end: 2025 • 3 < TRL < 6

Establishing a value chain in Nouvelle-Aquitaine for recycling and reusing high-performance thermoplastic composites reinforced with carbon fibers.

EOLO-HUBS***

- Project coordinator: Aitiip
- Funding: European Union's Horizon 2020 research and innovation programme under grant agreement n° 101096425
- Estimated end: 2026 • 4 < TRL < 7

Propose and demonstrate novel solutions to recycle high value materials from the wind turbine blades, developing a set of innovative composite material recycling technologies.

** Funded by the European Union

*** European Union's Horizon 2020 research and innovation

PHYRE** POLYMERIS

- Project coordinator: Extracthive SAS
- Estimated end: 2026 • 7 < TRL < 9

PHYre® by Extracthive reclaims carbon fibers from carbon fiber reinforced polymers using a chemical treatment. These recycled fibers have properties similar to those of virgin fibers.

BIO-UPTAKE *** POLYMERIS

- Project coordinator: Aitiip
- Funding: European Union's Horizon 2020 research and innovation programme under grant agreement n° 101057049
- Estimated end: 2026 • 3 < TRL < 6

Ensure a sustainable uptake (increase the use by 39%) of bioplastic composites, by driving a double green and digital transformation in the European manufacturing industry.

ZERO WASTE OBJECTIVE POLYMERIS

- Project coordinator: Nova Carbon
- 3 < TRL < 6

Boost carbon fiber waste recycling by expanding NOVA CARBON's processes and improving production line efficiency.

THERMOFIRE** POLYMERIS

- Project coordinator: Avanzare
- Funding: European union under the grant agreement no. 101112370
- Estimated end: 2026 • TRL 5

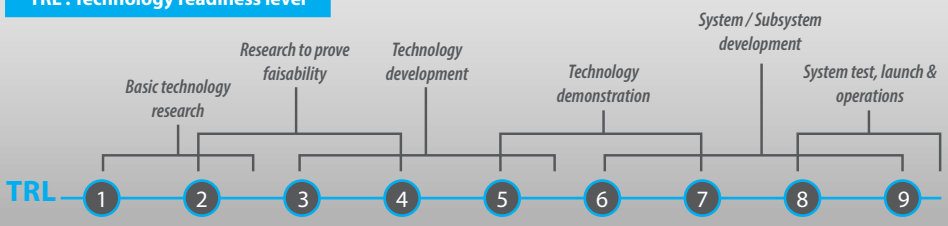
Develop novel, lightweight and low-cost bio-based and recyclable thermoplastic composites with enhanced mechanical properties and fire resistance by the incorporation of natural fiber reinforcements and bio-based halogen-free flame retardants as well as to remove the EU's dependence on fossil-based polymers.

BIOSTRUCT** Techtera

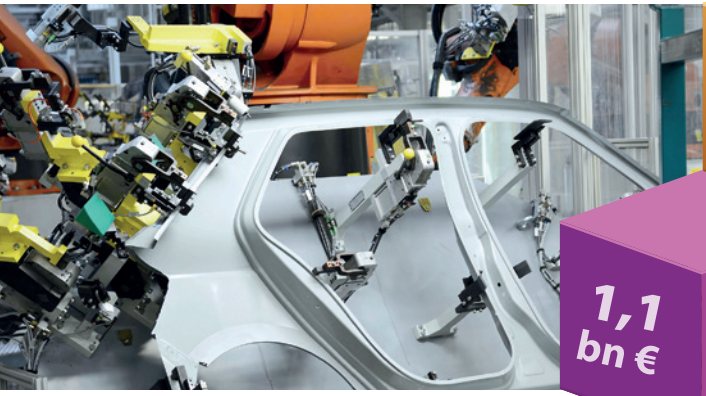
- Project coordinator: Profactor
- Funded by the European Union
- Estimated end: 2026 • 3 < TRL < 7

BioStruct will develop advanced technical solutions for the precise design and manufacturing of composite parts using bio-materials. From January 2024 and for the next three years, the ten partners will improve the application of bio-composites in structural applications, thereby decreasing the dependency on conventional carbon and glass fiber composites.

TRL : Technology readiness level



POLYMERIS
Competitiveness cluster for rubbers, plastics and composites



618 MEMBERS

85 R&D PROJECTS IN COMPOSITES FIELD

1,1 bn € IN R&D PROJECTS SINCE 2005

Polymeris is the only French cluster dedicated to rubbers, plastics and composites gathering more than 600 members, among them 380 industrial companies and 135 R&D centers and universities.

Polymeris draws on 20 years of experience in supporting businesses, with in-depth knowledge of the techniques and markets of tomorrow.

Polymeris promotes and develops Innovations for rubbers, plastics and composites industries, thanks to collaborative R&D projects with more than 381 funded projects and more than 40 european ones.

In addition to this activity, Polymeris promotes innovation in education and opens up the companies toward different industriel sectors and international cooperation.

Its main technological added value domains are:

- advanced materials with high mechanical performance for lightweight, functional and smart properties,
- factory of the future as fast automated composite processes including additive manufacturing,
- smart products with integrated electronics for mobility, health, packaging, goods,
- circular and sustainable solutions thanks to high performance bio-based materials, eco-design and recycling loop.

Maxime NOURTIER, Project manager, advanced materials & composites
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Techtera

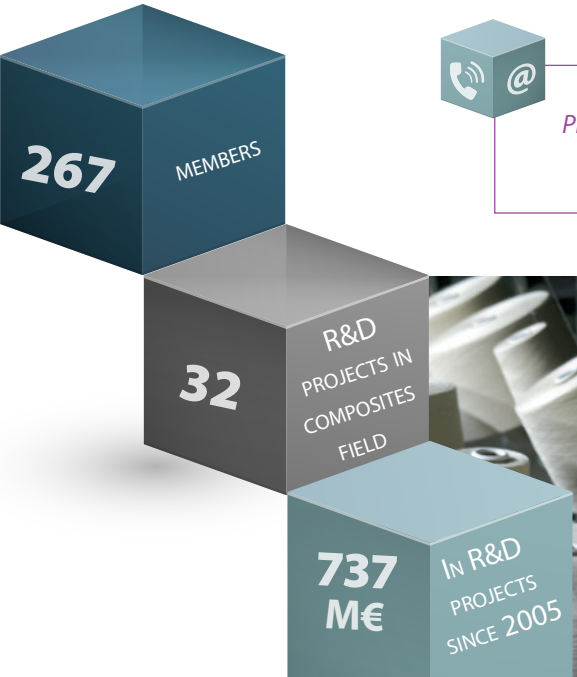
Techtera: source of textile innovation for our future.

Techtera is the French innovation cluster dedicated to textile. It animates a network of more than 265 members with the main objective of boosting competitiveness through collaborative innovation and market access.

The cluster is also involved in structuring actions, for the textile industry and in connection with related sectors and application markets, through interclustering partnerships or European projects. Since 2005, more than 318 collaborative R&D projects labeled and supported by Techtera have been funded, for a total budget of nearly € 737 million.

The cluster also supports its members through:

- innovation and collaborative R&D projects, from the idea to the dissemination of results,
- Increasing innovation levers with insights into the current technological and economic environment,
- The marketing of their innovation through individual or collective support at trade shows and international collective missions.



Valentin NALLET,
Project manager - Business development
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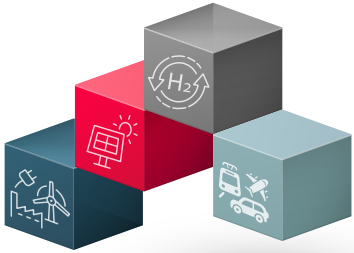


CEA's Liten institute is a CEA technological research institute specializing in energy transition technology. Its research activities focus on a number of key areas: solar power, network management, storage, including batteries and hydrogen, and focus on the development of low impact material technologies.

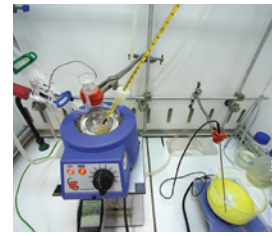
Application areas

Automotive and road transportation,
renewable energies.

Products

CEA's Liten focuses its innovation technologies on

- developing specific recycling processes for end-of-life components,
- investigating new ways of secondary materials valorization,
- integrating flexible and hybrid electronic components to monitor structural heath in composites materials and energy storage systems.



Innovations

- MC4-UE project: development of epoxy vitrimer resin for valorisation of EOL composites panels.
- UNICORN-UE project: composite smart battery casing with embedded temperature and strain monitoring.

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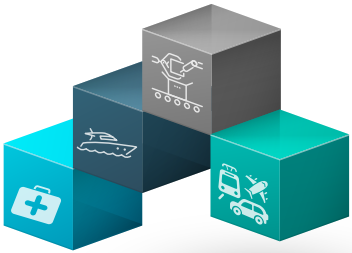


CHEVALERIN

Operating in the textile area for about 80years, Chevalerin has been manufacturing more than 1850 machines. Our team does operate from the design to the entire production of the equipement and customerize each machine to dedicated requirements. Our long experience helps us to define the appropriate functions for each customer. Our integrated manufacturing plant enable us to save time, money and keep a very low carbon footprint.

Application areas

Knitting, weaving, aeronautics, medical, technical materials...

Products

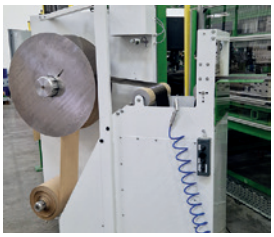
Specialized in design and production of:

- inspection machine,
- rolling machine,
- measuring machine,
- opening machine,
- cutting machine,
- folding machine,
- packing machine,
- special machines.

Innovations

Our technical experience together with our integrated manufacturing plant enable us to answer any specific requirement with improved value for money.

Innovation is constantly developped and shared with customers using new technologies and keeping in mind ecological aspects, product lifetime and reliabilty.



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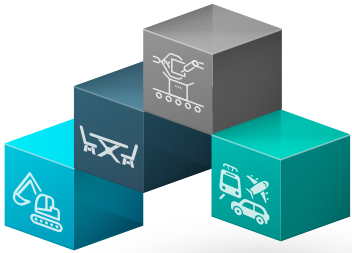


DMM
OUR MOLD EXPERTISE
YOUR NEEDS
CLM

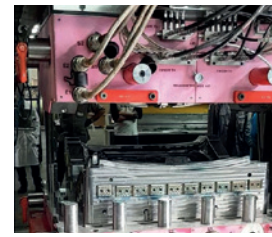
Since 1990, DMM/CLM (ISO 9001) located in Oyonnax developed and established themselves as primary specialists in the design and production of molds (up to 50T/6 meters) for the transformation of plastics and composites, as well in the maintenance and repairs, in France and international.

Application areas

Structurals parts for lightweighting in transports as Automotive, trucks, railways, buses, aeronautics.
Equipments for industry, leisure, sports, packaging, containers, transport and energy distribution.

Products

Our molds are constructed for the transformation technology for which they are intended and designed in line with our production methods. We bring all of our added value to find solution to facilitate use and interchangeability in the lifetime based on criteria talked in the requirements. We can manage try outs & pre production of parts : injection moulding mono or 2K (50-2200T), SMC (1200-1800T).



Innovations

Based on our experience, we are involved in projects for vehicule lightweighting incorporating the following technologies: SMC for thermosets, and organo sheet overmoulded for thermoplastics (hatch back, structural parts…).

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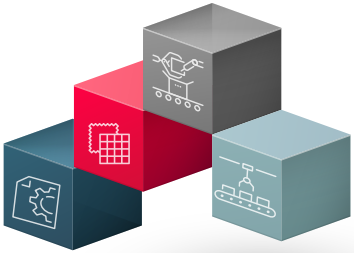

Fil Control

Aventech groupe

Sensor's Expert

Since 1990, Fil Control is specialized in developing and producing equipment devices for the textile machinery industry. Thanks to the skills and experience of our engineering department, we can answer to generic needs, but also to any kind of bespoken demands.

Application areas

Our sensors are designed for use during various steps of yarn production: spinning, draw frame, BCF, texturizing, winding, twisting, covering, assembling...

Products

Fil Control offers a wide range of products divided into categories: thread and break detectors, thread tension sensors, speed and presence detectors, thread cutters.
We master different kinds of technology : capactive, optical,piezo-electric and electromechanical sensors.
We also specialize in manufacturing sensors dedicated to yarn tension measurement, which is a critical parameter for yarn quality control.
Our yarn cutters CA9 are beyond the market with an exceptional lifespan, guaranteed for more than 10,000 cuts.

Innovations

Every textile machine manufacturer is unique. That's why Fil Control offer customized yarn sensors tailored to your exact specifications, ensuring optimal performance and seamless integration into your machines.

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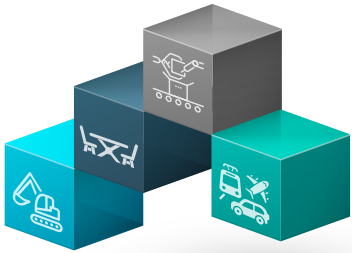
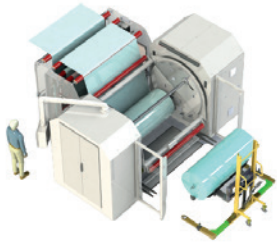


Fotia D.M.T
DÉVELOPPEMENT MACHINES TECHNIQUES

Since 1926, Fotia DMT is specialised in the design and manufacture of custom made machines for soft materials ,textiles or composites products.

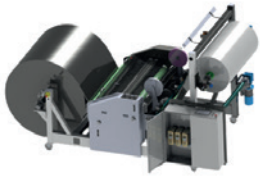
Application areas

Technical fabrics, foams and non-wovens, flooring, natural insulators, plastics, specialty papers, composite materials.



Products

- Coating / Adhesive
- Unwinding / Rewinding
- Lamination
- Automated packaging and assembly
- Accumulation
- Heat treatment
- Cutting
- Calendering



Innovations

- Non-stop winder or unwinder.
- Production process for cork / organic resin composites.

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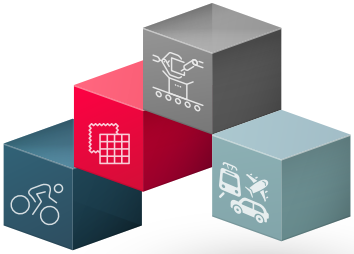


HEMP
-ACT

HEMP-ACT IS A COMPANY DEDICATED TO THE DEVELOPMENT OF BREAKTHROUGH SOLUTIONS TO MASSIFY THE USES OF HEMP IN THE FIELD OF BIO-COMPOSITES. OUR UNIQUE PROCESS ALLOWS OUR CLIENTS TO PRODUCE LONG HEMP FIBERS IN SLIVER FROM ROUND BALE OF HEMP STRAW IN A SINGLE OPERATION. OUR TEXTILE DECORTICATING LINES ARE EASY TO ACCESS, AFFORDABLE, EFFICIENT AND PROFITABLE = THE MOST ADVANCED HEMP SOLUTION ON THE MARKET.

Application areas

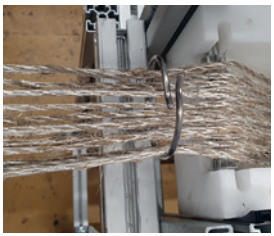
Slivers for textile manufacturers to produce UD and biocomposite's reinforcements for mainstream markets: automotive, leisire, furniture, outdoor…

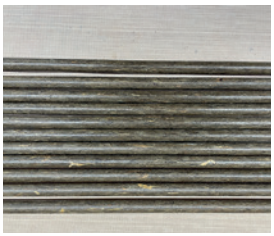
Products

- Our service offer: to develop your reinforcement materials based on hemp & bast fibers: from decortication, pre-carding, to production of UD: roving & tapes as semi-finished products
- Our material offer: pre-carded hemp fiber in sliver, 120 g/ml, 12.5 kg in rolls or 35g/ml in tops
- Technology transfer, quasi-machines
- Textile decorticating lines

Innovations

With textile machine manufacturers and bio-composite's processors, we focus to shortcut unnecessary intermediate costs to make hemp reinforcements ultra-competitive and mainstream-with the same performance requirements. We are a SSUCHY-Next research partner.





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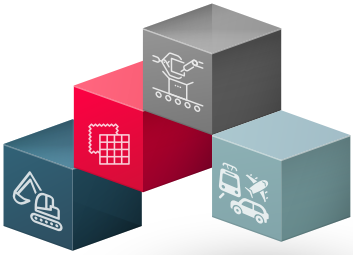


marduel
TECHNICAL YARNS

For over 60 years, Marduel has specialized in processing technical yarns to strengthen industrial products such as composite, hoses or many other high value-added applications. By twisting, cabling, winding, coating, Marduel develops and manufactures new yarns that fulfill its customer's needs.

Application areas

Composite, aeronautics, automotive, PVC & rubber reinforcement, paper & leather industries, mechanical industry, packaging, textile, construction…

Products

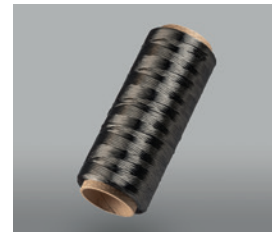
Technical Yarns manufacturer by twisting and winding

- From 50 to 10 000 tex
- High tenacity yarns, Aramids, Carbon, Glass, basalt…
- Hybrid yarns

- Tailor-made products
- Extensive quality control check
- Traceability

Innovations

Marduel offers advice and technical support dedicated to innovation. This expertise allows the company to be approached for research by famous names of the aeronautics and automotive industries. A dedicated twisting carbon, glass and basalt workshop enables to meet needs of prototyping and large scale production.



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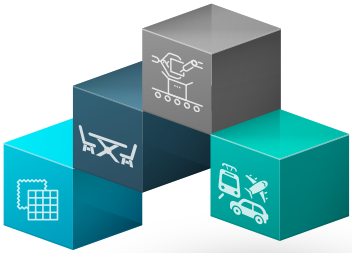

nsc
fibre to yarn

Manufacturer of textile machinery and complete fibre-to-yarn lines, N. Schlumberger is a global player in combing/recombing, spinning preparation, tow to top, semi-worsted, stretch-breaking and converting in the field of long staple fibres. Our agents are Located in more than 60 countries across the five continents.

Application areas

Apparel, hosiery, weaving yarn, knitting yarn, carpets/rugs, floor coverings, upholstery, technical yarns, automotive

Products

- Carding
- Converting
- Defelting
- Drafting
- Combing
- Finisher

Innovations

Fyber MES (Manufacturing Execution System) is an information system for textile production. Fyber MES is a real Industry 4.0 tool, increasing operational efficiency while being a time saver.

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SCHAEFFER PRODUCTIQUE

TEXTILE DIGITAL SYSTEMS

Schaeffer has been a publisher and integrator of digital management systems for textile companies since 1996. With more than 200 customers, and 35% of our business in export, our solutions are available in both license mode and hosted rental mode. Exclusive textile specialists, our solutions cover all the businesses of the sector, in B to B mode.

Products

- Stocks of all kinds, ensuring traceability
- Commercial functions, including sampling, pre-sales,
- Modeling of production processes
- Organization of companies using workflows,
- Production: needs calculations, resource planning, production monitoring
- Sourcing (supplier profiles, anticipation, certification management, origin management, etc.)
- Quality policy
- Invoicing and payment monitoring,
- cost price monitoring (standard algorithms, supplemented by textile-specific parameters).

Innovations

SolinWAI is based on the most advanced digital technologies (API, object, internet and browsers, etc.).

It is an agile system, which is designed to adapt to the specificities of each textile company and its business. A pragmatic and proven use of artificial intelligence is also a particularly strong asset of this textile business solution.

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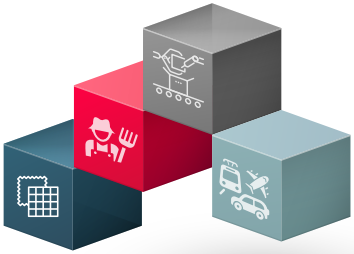


SOPARA

Sopara is specialized in the design and manufacture of infrared industrial equipment (infrared heaters, ovens and tunnels) and can help you to increase your productivity, save energy and become carbon neutral. With its own in-house R&D department and testing laboratory, Sopara develops and manufactures custom-made solutions for the industry of tomorrow.

Application areas

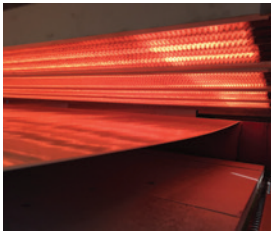
Composite materials, textile, automotive, aerospace, paint, agri-food industries.

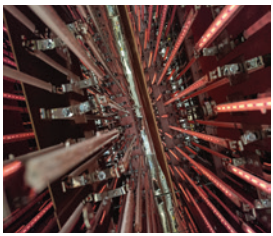
Products

- Short-wave infrared heaters (for heating of materials or industrial premises),
- high performance medium-wave infrared heaters,
- curing and drying infrared ovens,
- thermoforming infrared ovens,
- non-woven textile heating infrared ovens,
- energy saving and high performance products,
- power control cabinet.

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.





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SUPERBA
A VANDEWIELE COMPANY

Created in 1955, Superba specializes in automation solutions for production lines in the technical textile sector, with a focus on robotic systems for efficient yarn processing.

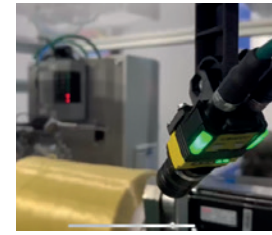
Application areas

Technical yarn (aramid, carbon, polymer, tape, filament, twisted) and more.

Products

Specialized in the design and production of:

- automation systems,
- robotic yarn handling,
- automatic winder,
- automatic knotting system.



Innovations

Superba has introduced the KR1, an automatic knotting system assisted by a robot, designed to handle, pack, and label various types of yarn bobbins, enhancing productivity and eciency.

Additionally, Superba is exploring the integration of Articial Intelligence (AI) to further optimize its machinery and processes, aiming to provide more intelligent and adaptive solutions, especially for the optimization of the quality control camera integrated.

We are constantly looking for ways to improve data processing on our automation solutions using machine learning software to provide the best conguration for our machines.

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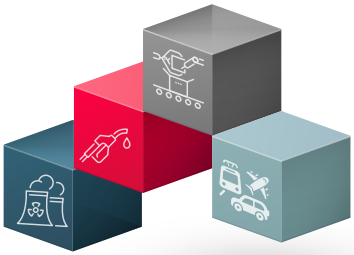

TERAKALIS

Terakalis is expert in real-time Terahertz technology for material non-destructive control. We design equipment to meet the most challenging industrial needs such as productivity, quality, and eco-efficiency enhancement. Our offer includes multilayer thickness measurement, inner defects imaging and properties. Contact us for a demo.

Application areas

Oil & gas, energy, aerospace, automotive, railway, defense, industry

Products

Terakalis offers three equipment ranges: laboratory tools for R&D to support new material development, custom solutions easy to integrate for production lines and portable systems dedicated to maintenance, enabling on-field inspection.

Innovations

Our production equipment range is suitable for automated, real-time inner measurements powered by AI. It ensures accurate inspection for complex processes and parts, particularly for composite material control.

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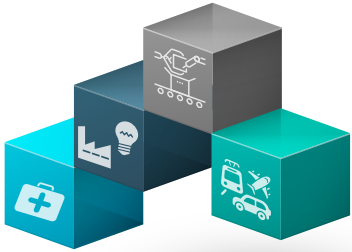

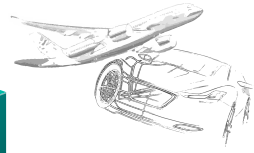

TF ÉTUDES

***TF ÉTUDES** is based in Oyonnax Plastic Vallée since 1990. Our team is specialized in product design, assembly tools, specific tools and checking fixtures. After 30 years, we are sub-supplier of first step automotive industry supplier and aero industry. We are implemented in different kind of market with specialization in products design. Design, manufacturing, control, tuning and assembly are part of our knowledge and ready to follow you during your development. Our machines are used all over Europe on our customer plants.*

Application areas

Automotive, aeronautics, nuclear, energy, defense, medical.

Products

Specialized in the design and production of:

- inspection jigs,
- checking fixtures,
- leakage inspection tools,
- production tools,
- assembly tools: hot plate welding, vibrations welding, infra-red welding,
- special machines.

Innovations

- Development and manufacture of custom infrared sources.
- Integration of robot, integration of automatic screwing and vision control, sealing control tools.

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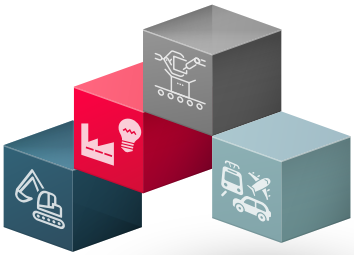
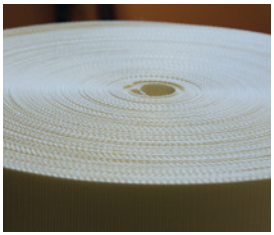


#TISSTECH
Technical Fabrics

Located in Rhône Alpes Auvergne and with nearly 50 years of experience Tisstech is involved in the design, development and manufacture of textiles for technical purposes. We are creator of industrial textile products. Our strenght? Our reactivity. Expertise, know-how and innovation made in France guarantee our quality.

Application areas

An international presence and a great industrial reactivity in order to respond with precision to any specific request. We develop custom-made solutions for different industrial sectors : aeronoautics, composite industry, electrical, rail, automotive, iron&steel, nuclear, maritim...



Products

- Customized and adapted support thanks to an efficient integrated production tool: R&D, warping, weaving, impregnating/coating composites, cutting, clothing industry/processing.
- Our product catalog is representative of all the developments carried out in collaboration with our customers : tapes for electical insulation, prepegs fabrics, reinforcement grid…

Innovations

We are able to develop any type of weaving. Come to our stand in order to discover our innovations!

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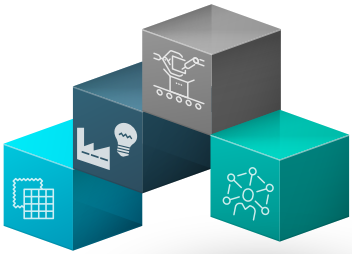

FRENCH TEXTILE EQUIPMENT

***UCMTF** was founded in 1921. Union des Constructeurs de Machines Textiles Français is the representative body for French textile manufacturers of textile equipment.*

Innovation and service are embedded in the DNA of UCMTF's members. They are long term technology and sustainability partners of their customers. Most of them are small or medium sized companies, even if part of international groups. These manufacturers are known for their expertise across various aspects of textile production, including preparation, weaving, knitting, finishing, dyeing, printing and garment making.

By using advanced techniques and technologies, French manufacturers are optimising the solutions to meet the highest standards of performance and environmental sustainability.

UCMTF missions

- Promote and strengthen the textile machinery industry of its members
- Get connected in France with the textile & innovative academic players, and clusters' players from whom Techtera is part of
- Offer a unique place were to get "out of the box" session and share experience for the members
- Represent within the CEMATEX (the European organization) the European textile machinery industry from the EU and its bodies
- Preserve the role of ITMA as the world's premier exhibition of textile and garment technology.

Text initially worked with the journalist Becky Benett.

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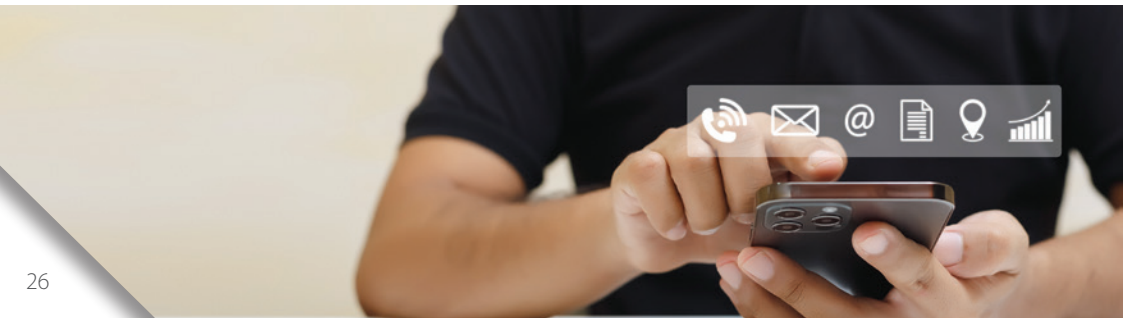
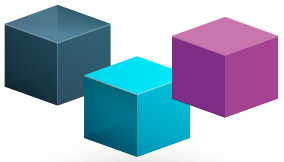
Polymeris & Techtera members exhibiting at JEC World

- ACD NOUVELLE AQUITAINE, *Hall 6 - Booth F89*
- ACXYS TECHNOLOGIES, *Hall 6 - Booth T106*
- ADN GROUP, *Hall 6 - Booth H04*
- ALPHA RECYCLAGE COMPOSITES, *Hall 6 - Booth N04-18*
- ALTERKRAFT LAB, *Hall 6 - Booth N04-06*
- ALTHEORA, *Hall 5 - Booth G105*
- AVIENT CORPORATION, *Hall 5 - Booth F49*
- BORFLEX, *Hall 6 - Booth L109*
- BÜFA COMPOSITES BENELUX BV, *Hall 5 - Booth L40*
- CALYXIA, *Hall 6 - Booth A97*
- CANOE, *Hall 6 - Booth F89*
- CARBON WATERS, *Hall 6 - Booth F89*
- CEA LITEN, *Hall 5 - Booth F97*
- CERO, *Hall 6 - Booth K108*
- CHOMARAT, *Hall 5 - Booth H58*
- CLAYENS, *Hall 6 - Booth N06*
- COMPOSITIC, *Hall 6 - Booth B107*
- CPI COATING PLASMA INNOVATION, *Hall 6 - Booth D47*
- CQFD COMPOSITES, *Hall 6 - Booth N04-09*
- DEMGY GROUP, *Hall 5 - Booth B64*
- DEV'UP CENTRE VAL DE LOIRE, *Hall 6 - Booth S100*
- DIATEX, *Hall 5 - Booth H31*
- ELKEM, *Hall 5 - Booth F126*
- ENSAIT (École nationale supérieure des arts et industries textiles), *Hall 6 - Booth L97*
- EPSILON COMPOSITE, *Hall 6 - Booth G89*
- EXTRACTHIVE, *Hall 6 - Booth N04-15*
- FIBROLINE, *Hall 5 - Booth A97*
- FORVIA, *Hall 5 - Booth F147*
- HEXCEL COMPOSITES, *Hall 5 - Booth H57*
- HUTCHINSON, *Hall 5 - Booth L116*
- IMT NORD EUROPE, *Hall 6 - Booth D114-04*
- IPC (centre Technique Industriel de la Plasturgie), *Hall 5 - Booth E143*
- LAVOISIER COMPOSITES, *Hall 6 - Booth N04-16*
- LYTID, *Hall 6 - Booth F89*
- MCVE, *Hall 6 - Booth H113*
- NOVA CARBON, *Hall 6 - Booth J97*
- POLYVIA, *Hall 5 - Booth G105*
- PORCHER INDUSTRIES, *Hall 5 - Booth U40*
- ROCTOOL, *Hall 6 - Booth T90*
- SPECIFIC POLYMERS, *Hall 6 - Booth D47*
- SULITEC INSULATING COMPOSITES, *Hall 6 - Booth N04-17*
- SYENSQO, *Hall 5 - Booth K58-K72*
- TALK ME, *Hall 6 - Booth D47*
- TELENE SAS, *Hall 5 - Booth Q40*

Notes & contacts





POLYMERIS
Competitiveness cluster for rubbers, plastics and composites

Pôle de compétitivité
des caoutchoucs, plastiques
et composites
Maison des Entreprises
180 rue Pierre et Marie Curie
01100 Bellignat

Techtera

Pôle de compétitivité
de la filière textile française
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69130 Écully

This initiative is supported by the Auvergne-Rhône-Alpes Region

La Région
Auvergne-Rhône-Alpes

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