

At the heart of textile evolution

Health



LES PÔLES DE  **COMPÉTITIVITÉ**
MOTEURS DE CROISSANCE ET D'EMPLOI

Techtera is the French innovation cluster for the textile industry.

We support our **250 members** in the emergence, structuration and implementation of their collaborative R&D projects. Since 2005, we have approved and supported **227 financed R&D projects** for a total budget of 280 million euros. We also provide services regarding the business development of our members: international actions (trade fairs, collective missions...), business launching projects for innovative products, identification of textile solutions for all industries.

Textiles are vital to the healthcare industry.

Thanks to their various technical features, they have become essential for the making of numerous medical devices, providing the benefits of their flexibility, solidity and versatility, from smart functions to anti-microbial properties and many other.

2nd

more important market for the technical textiles industry.

7%

expected growth rate for technical textiles for healthcare until 2027.

47

R&D projects focused on health supported by Techtera.



European level certification

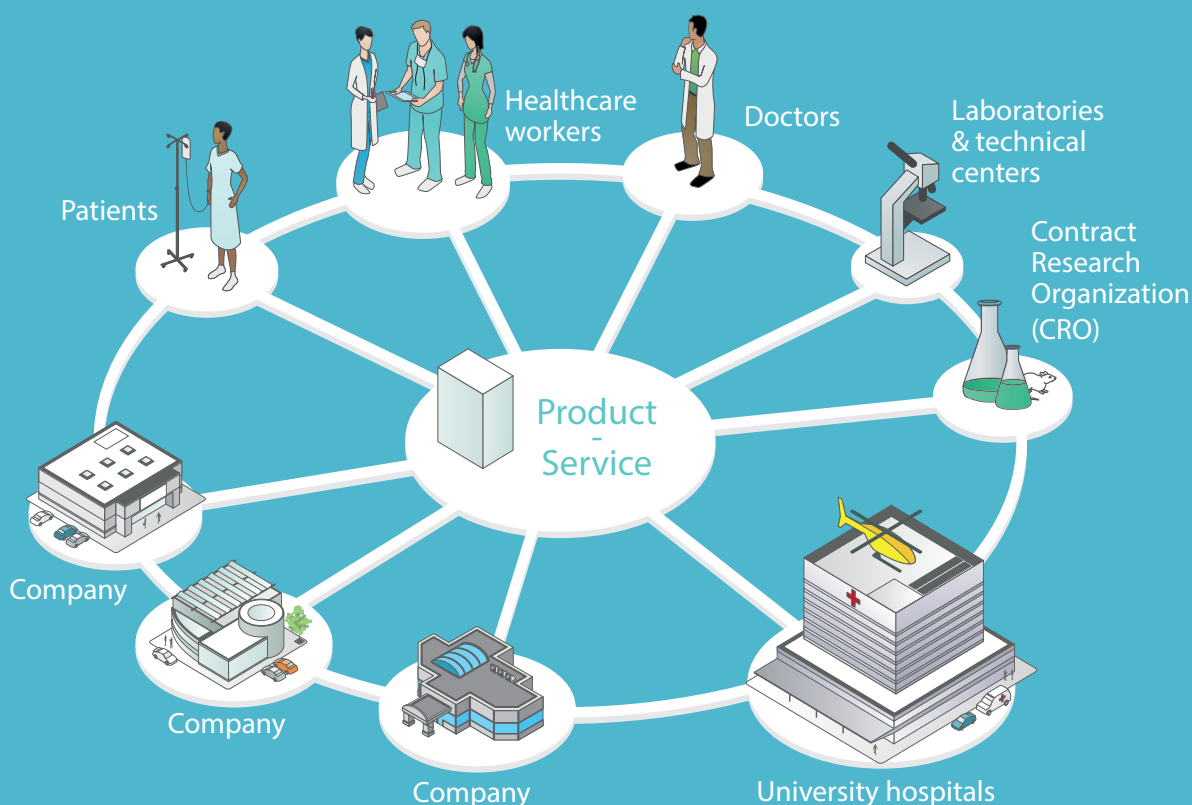
The "CLUSTER MANAGEMENT EXCELLENCE LABEL GOLD" is given by the EUROPEAN CLUSTER EXCELLENCE INITIATIVE. It acknowledges the highly sophisticated cluster management of Techtera, and the success and commitment of the cluster to further improve its organizational structure and routines. **Techtera is the first european textile cluster to obtain the Label Gold.**

160 million €

global budget for R&D projects focused on health supported by Techtera.

R&D Projects

Techtera helps you to develop your network and finance your ideas for the development of products and/or services.



They worked with us...

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LIGHTEX INSIDE: the project is supported by BPI France (public bank for investment) and has been approved by Techtera. The objective of the project is to industrialize the weaving of optical fibres, a patented knowhow that has been developed by BROCHIER TECHNOLOGIES for 15 years. Thanks to this project, 2 spin-offs have already been created, one of them in the health sector (NEOMEDLIGHT).”

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MINT: the partners of this project acknowledge the added value of Techtera, as the cluster lobbied various financial backers in order to defend the project. This action was essential for the final selection of the project.”

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MIVANA for heart surgery, **COLOMATRIX** for abdominal surgery and **TEXIMED** are supported by Techtera. Thanks to these projects, MDB TEXINOV offers medical device manufacturers textile products designed specifically for their needs.”

Save lives, treat wounds and diseases, enhance comfort

Our projects for these 3 major medical stakes:

ACTIPROTEX: develop multi-active protection textiles for the prevention of nosocomial infections and microbial contaminations; for use in the creation of external and internal medical devices, professional clothing and lingerie.

CELLICAL: develop biomaterials incorporating active ingredients for the regeneration of soft tissue using cellulose microfibre.

COLOMATRIX: propose a solution for post-surgery colorectal complications for patients with cancer or inflammatory diseases in the intestine.

CONFORTEX: develop a comfort evaluation tool for health and sports clothing.

IDS: develop an inbuilt device for the preventing diabetic foot.

LIGHTEX INSIDE: large-scale industrialisation of the Lightex® technology, the principle of weaving optical fibres to achieve flexible or rigid luminous surfaces, with very low space requirements, low power consumption and long life.

MATBIOTEX: develop functionalised textile materials intended for external medical devices (venous ulcers, pressure ulcers, diabetic foot) and internal implantable devices (prosthesis reinforcements or replacement of soft tissue).

MINT: develop and manufacture materials and processes for 3D printing on textile surfaces.

MIVANA: develop medical devices and technique derived from the textile industry, in order to create a national cardiovascular sector.

REVAMED: develop implantable medical devices for repairing and regenerating soft tissue, and powerful tools for evaluating repair and tissue regeneration.

SILICOTEX: develop textiles (yarn and fabrics) based on silicone for the manufacture of medical devices, lingerie and footwear products, technical clothing, thermal industrial applications.

SMART BANDAGE: detect wound infection as speedily as possible by embedding a diagnostic solution in the bandage.

TEXACTIV: develop a new generation of functionalised textiles with long-term action on well-being, beauty and health.

TEXIMED: develop medical devices (bandages, implants, photodynamic therapy) to address specific pathologies poorly treated at present.

VIRTEX: develop a new generation of virucidal textile filters to combat mass contamination by air in public buildings, through an innovative method of treating air.

Techtera's activities

- **Support of collaborative R&D projects**, from inception to promotion.
- **Enhancing the levers of innovation**, with keys to understanding the current scientific and economic environment.
- **Sourcing of textile know-how** thanks to the CART'TEX database.
- **International events and trade fairs**
- **Business development in France and internationally**, through monitoring and collective missions and market support for innovative products.

Textiles & flexible materials for Healthcare applications

Stents

Implants

Bandages

Smart Textiles

Suture threads

Patients clothing

Patches/Texticaments

Soft tissue prosthetics

Compression stockings

Medical staff clothing

Anti-bedsore bedding

Medical devices

Hospital linen

Orthotics

Bags

Fontanille SCOP

NeoMedLight

Massebeuf Textiles

CETI - Centre Européen des Textiles
Innovants

Barral Technologies

Markets & applications



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Techtera is supported by:

