## everything goes to be textile



# technical textles from portugat

The T&C sector has a long tradition in Portugal. The recent evolution of the global market presented several challenges. The choices Portuguese T&C sector have done to be competitive may be characterised by four must's:

- · Only high quality is acceptable;
- · Quickest response available in the market;
- · Endogenous design and technological innovation;
- · Less commodities and more specialities.

With the support of a strong and active scientific and technological system, the sector developed vigorously their activities in the field of non-commodity TechTextiles.

Now, the technology-intensive and design-intensive products are responsible for the main part of the growth of Portuguese exports and, specially, the growth of GVA per employee.

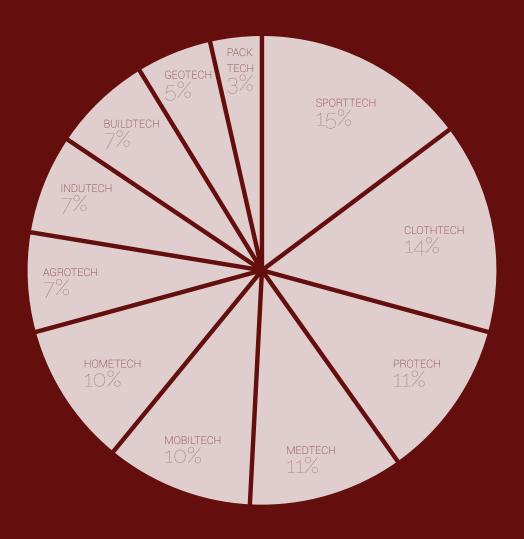
Nowadays, in some fields, Portuguese TechTextiles are a worldwide reference, because of a very particular ecosystem:

- · A complete and integrated cluster;
- · Tradition and manufacture knowhow;
- · Cutting-edge research capacities;
- · Good cross link between T&C sector and the high value added chains;
- · Professionals' sense of customer service.





#### APPLICATION AREAS







Sport



Protection



Health and Wellbeing



Mobility



Habitat



Sea

**ALPINISM JACKET** P&R Têxteis HOME TEMPERATURE HEART RATE × ((e)) 505 OFFLINE BATTERY









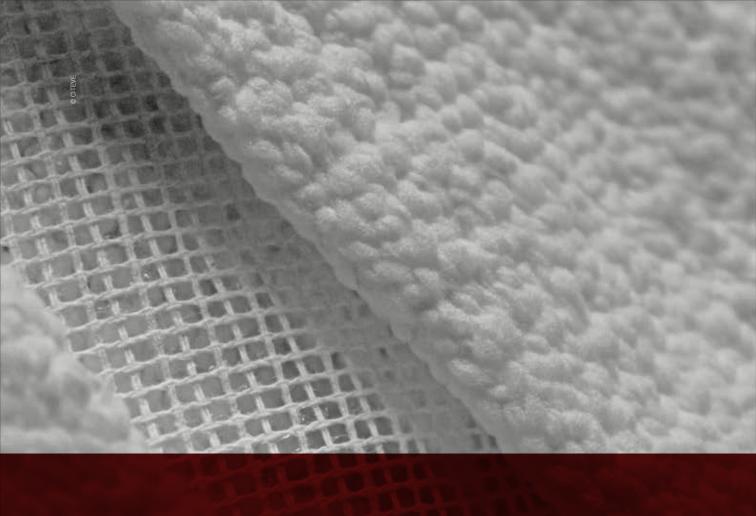


# PROTECTION





# ADVANCED TEXTILES FOR LIFE QUALITY



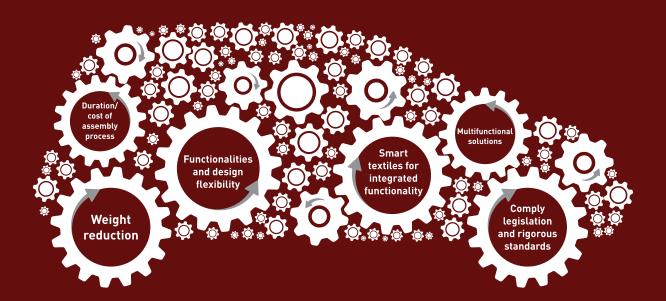
HEALTH AND WELLBEING

















# SMART TEXTILES FOR PLEASANT LIVING

EMBEDDED LIGHTING CURTAIN Têxteis Penedo











### Portuguese Science &

UB

University of Beira Interior

The University of Beira Interior was established in 1986, today a public education institution of national and international reference.

UBI has a wide scientific and technologic offer that includes the areas of textiles, aeronautics, informatics, electromechanics, health, mathematics, optics and telecommunications.

University of Minho

The University of Minho is a public university founded in 1973 and is currently one of the largest Portuguese universities.

Located in the region of Minho, known for the significant economic activity and youth of its population, the University of Minho has a department of Textile Engineering whose objectives are the creation and transmission of knowledge to the industry in the field of Textile and Clothing Science and Technology.

## Technology System

#### CITEVE

Technological Centre of Textile and Clothing Industries of Portugal

CITEVE is the Portuguese research institute focused on Textile, Clothing and Technical Textiles industries, operating on R&D, testing, certification, consulting, fashion Intelligence, entrepreneurship and industry 4.0 philosophy adoption, among other activities. CITEVE is an active member of several international networks, technical working groups in the fields of research, product testing and certification. In addition, CITEVE ensures an effective link to the public sector, both at national and European levels, namely with an important contribution in the definition and implementation of public policies, relevant for the textile & clothing industry.

#### CeNTI

Centre of Nanotechnology and Smart Materials

CeNTI is a research institute focused in nanotechnology and smart materials with expressive activities oriented to the textile sector, mainly in the Technical Textiles fields. Its main competences are related to nanostructured material development, surface functionalisation, tricomponent fibres, printed electronics, printed light emission materials and smart systems. CeNTI is a partnership between CITEVE, the University of Minho, the University of Porto, the University of Aveiro, CTIC - Technological Centre for the Leather Industry and Ceiia - Centre of Excellence and Innovation for the Automotive and Aeronautic Industries.

#### **CREDITS**

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