

CITEVE at a glance

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citeve

textile technology



















28 years ago

From Public

to

Private

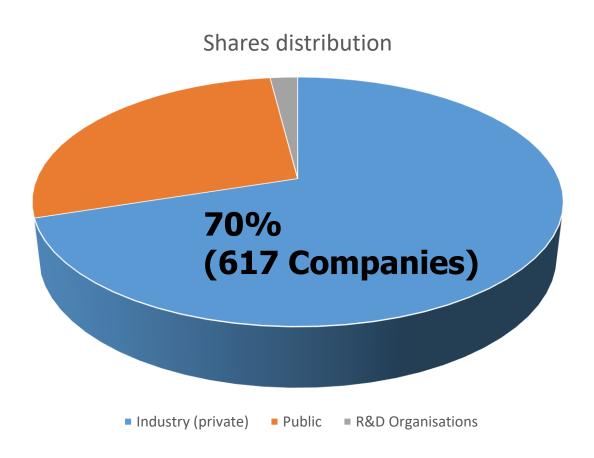
(with strong public commitment)





Private, non profit



















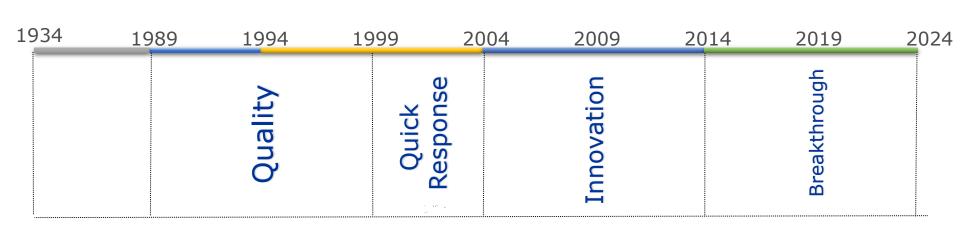


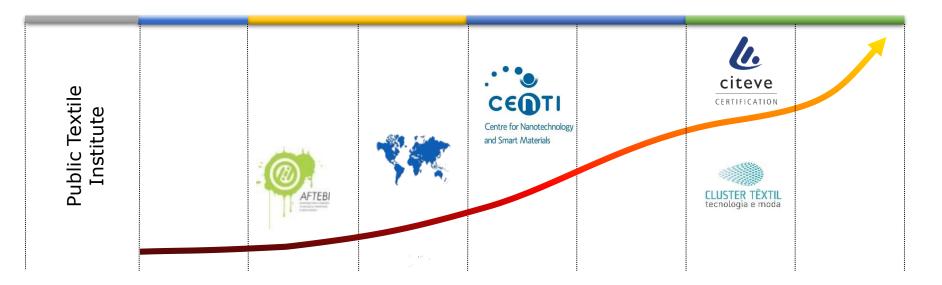






Industry Challenges → CITEVE's Evolution





















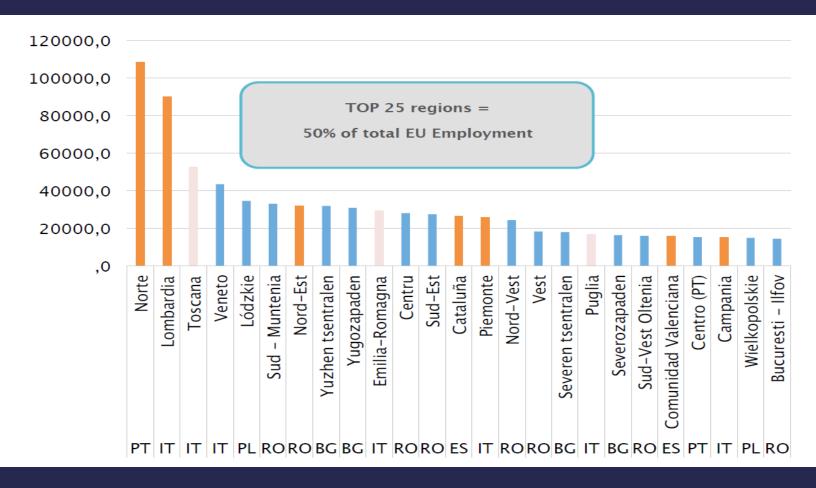




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T&C recent evolution

EU-28 T&C Employment concentration, 2014



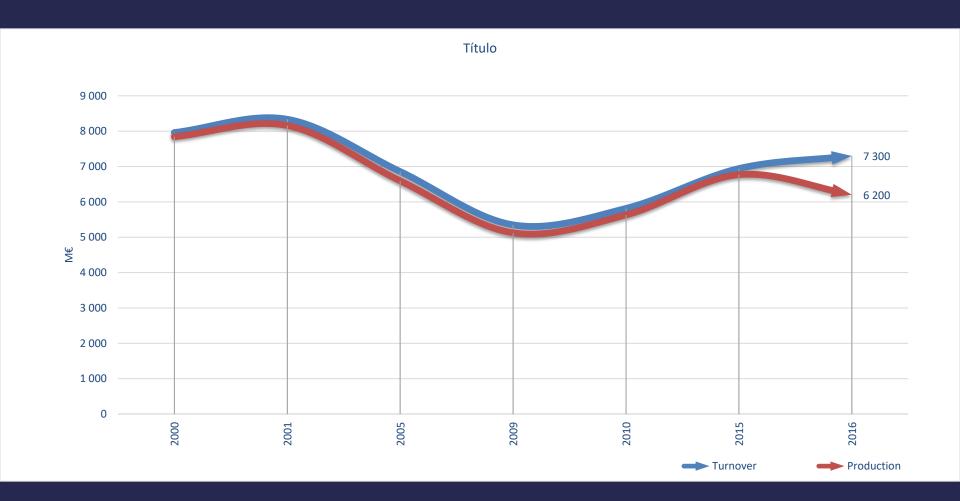


Key figures evolution





Business is not only production





Key figures evolution





Portuguese T&C Evolution (2009 to 2016)

citeve

2015

-17.2%

-10.5%

+37.5%

+29.7%

+20.7%

+45.0%

+8.9%

2014

-16.4%

-12.3%

+31.9%

+25.3%

+15.2%

+43.0%

+10.8%

Total Companies

Employees

Exports

Turnover

Turnover percapita

Exports/Imports

GVA

2016

-17.2%

-8.5%

+44.4%

+34.4%

+27.0%

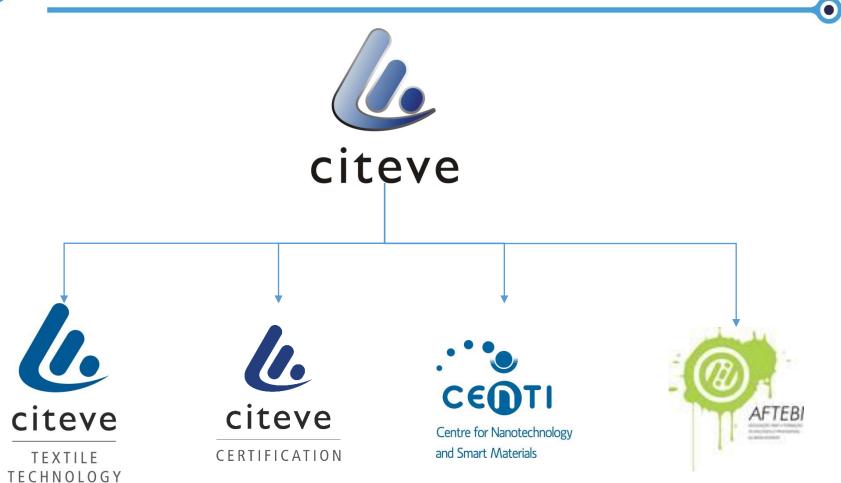
+47.0%

+14.3%

CITEVE Nowadays



CITEVE Group























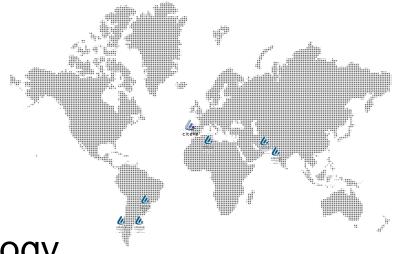


CITEVE worldwide





citeve Textile Technology















TUNISIE

ARGENTINA

PAKISTAN





















CITEVE's Technology Campus





















CITEVE's technology campus















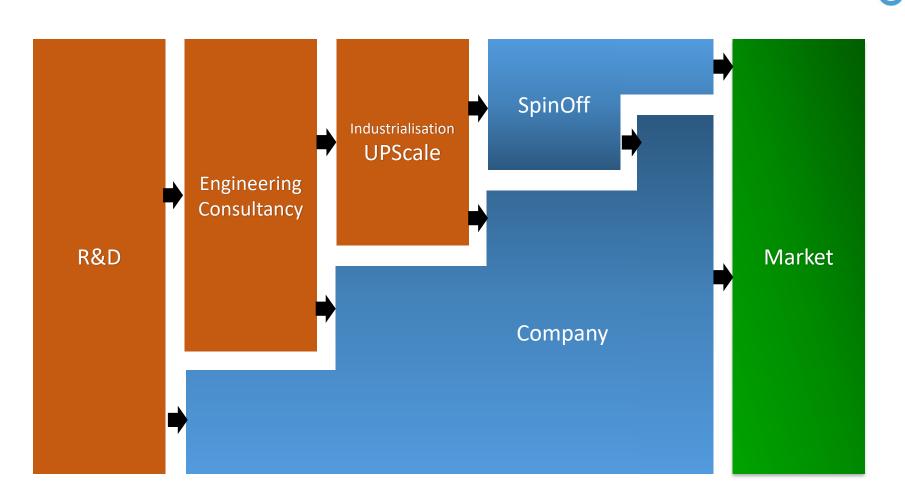








Inclusive CITEVE













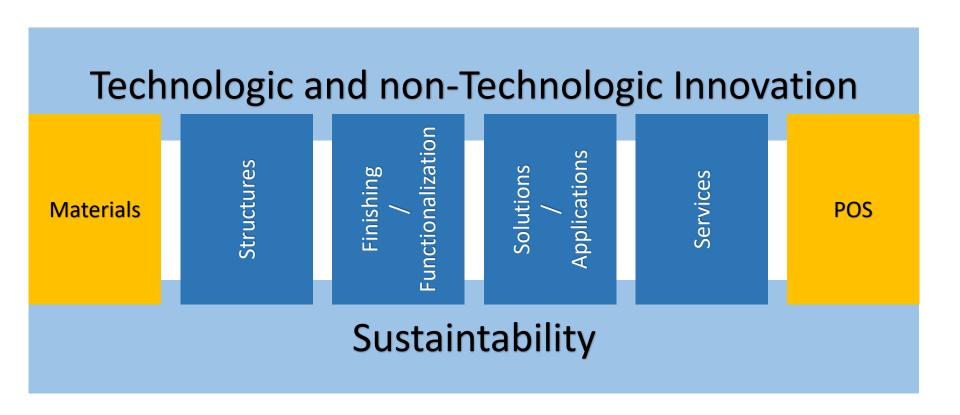








Eclectic CITEVE





















Textiles are everywhere

Everything goes to be textile

Take a look to your surroundings



Targeted markets















































Driving Forces

IoT

Internet

of the

things

High performance materials New applications

New functional products

New materials

New Machinery and Systems

Digital Fashion

Digital Factories

New Processes

Sustainability and Circular Economy



















Industry 4.0





Figures



annual figures









600 **CERTIFIED PRODUCTS***



500+ **Standards**



30 **R&D + INNOVATION PROJECTS***



1100 **ACTIVE CLIENTS***



115 **FULL TIME** STAFF*



160000 **Training Hours**

* yearly average figures





















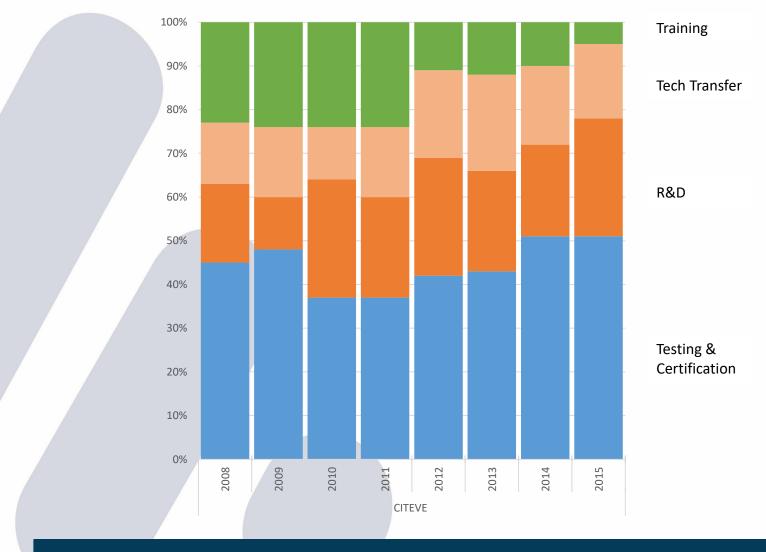
IPR (last 10 years)

10 Patents

8 Designs

18 Trade Marks





Service specialisation evolution



Main areas of activity

CITEVE as a 'Swiss Knife' for T&C Competitiveness





Product & Process Certification

Technology & Engineering



Design & Fashion Intelligence

Training & Coaching

Innovation & Entrepreneurship

Standardisation

Industry 4.0 & Shop of the Future

New Markets Approach

Clusterisation and Intercluster Cross-fertilisation

International Consultancy















reliable products for trustful partnerships

testing

Testing Services



- Quality control
- Product Performance Assessment
- Defect identification and analysis
- Lab management consultancy



Lab facilities



- Physics
- Chemical & Toxicology
- Microbiology/Cyto-toxicology
- Fibres
- Electronic microscopy (SEM)
- Metrology
- Product performance evaluation
 - Fire/Heat
 - Volatile Organic Compounds (VOC)
 - Light, IR and UV
 - Rain / Water protection
 - Thermal Comfort
 - Static electricity
 - Industrial Laundry





accreditations





Acreditated laboratories ISO/IEC 17025 by Instituto Português de Acreditação



European co-operation for Accreditation



"Third part laboratory" by US Consumer Product Safety Commission (CPSC)



International Laboratory Accreditation Cooperation



Notified Body for CE Mark





















recognizing performance & value

Product and Process Certification

Product & Process certification











Oeko-Tex® certification portfolio

Chemicals Processes Products

















technical harmonization for good business environment

standardization

standardization



- Sectorial Standardization Body in Portugal
 - CT4 (NP)
- Portugal Representative in international standardization Organizations
 - CEN
 - ISO





sparkling ideas, for new solutions, and efficiency

technology & engineering

Technology & Engineering Services







- R&D
- Consulting
- Product Development
- Prototyping
- Scale up
- Digital business



R&D



- New product development
 - New performances
 - New functionalities
 - New concepts
 - New applications



Product Development & Engineering









- Main specialisation
 - Sports
 - PPE's
 - Functional Clothing
 - Medical and healthcare
 - Technical workwear
 - Defence
 - Automotive



Pilot Plants Facilities



- Coating
- Laminating
- Dyeing & finishing
- Digital printing
- 2D e 3D knitting
- Complex 3D parts weaving*
- Clothing manufacturing
- Shop of the Future





Sustainable Production for sustainable business

Sustainable Production

Domains



- Eco-design and Eco-processes
- Energy efficiency and renewable energies
- Organizational management and efficiency
- Social responsibility and safety at work





Eco-design e Eco-processes





- Environmental characterization (water, liquid effluent, gaseous effluent, waste, environmental noise)
- Management of chemicals (REACH, CLP and BPR regulations, GM Sub tool)
- Industrial and environmental licensing
- Application for eco-labels (Ecolabel, GOTS, BCI, BlueSign etc.)
- Life Cycle Assessment (LCA) of products and processes
- Elaboration of product Safety Data Sheets
- Biodegradability tests of textile products
- Recycling and material reuse studies
- Eco-design of products and processes
- **Environmental impact studies**





















Energy efficiency and renewable energies



- Energy audits and rationalization plans for energy consumption (PREn)
- Preparation of PREn monitoring reports
- Energy consumption assessment
- Renewable energies (solar thermal and photovoltaic) design and installation
- Technical assistance





















Organizational management and efficiency





- Implementation assistance and audit services of
 - environmental management systems
 - energy management systems
 - quality management systems
 - research, development and innovation management systems
- Implementation of Lean & Kaizen methodologies
- Infarmed (Portuguese Medicine Authority) records
- Green target sustainability communication
- Technical assistance





















Social responsibility and safety at work





- Implementation assistance and audits of
 - social responsibility systems
 - occupational health and safety management systems
- Occupational safety assessment
 - occupational noise, thermal environment, lighting, dusting, gases & vapors and vibrations
- Organization of external occupational safety services
- Development of ATEX manual (explosive atmospheres)
- Fire safety (legal framework and definition of selfprotection measures)
- Technical assistance





















transforming emotions into style

design & fashion

Services

- Moodboarding
- Trends info
- Textile Design
- Fashion Design
- Corporatewear C&D
- PPE (Personal Protective Equipment) C&D
- Illustration
- Catalogue C&D
- Booth architecture and design
- Labelling & packaging



Product segments



- Man
- Woman
- Kid
- Baby
- Sport
- Workwear
- Hometextiles
- Accessories





Believing in people

Training & Coaching

Training & coaching Services









- initial qualification
- training/coaching
- top managers training
- technological up-grade & specialization
- e-learning
- educational & training resources
- Post Graduation Courses (in partnership with Universities)





creating value upon knowledge

Innovation management

Support to innovation capacities









- Innovation management systems
- IPR management
- Project and proposal building
- Project management
- Benchmarking
- Partners search





Going digital

Industry 4.0 and Shop of the Future

Industry 4.0



- Dematerialisation of Textile Business
- Production 'Digitisation'
- Virtualisation of business processes
- Shop of the Future





Shop of the future

- RFID solutions
- Product simulation/ Virtual **Assistants**
- Body scanning services
- E-commerce & On-line retailing
- Pilot SHOP

























New Technologies, New Business, New Markets

Supporting New Markets Approach

iTechStyle Showcase



- Fabrics Innovation Showcase and Award
- Product Innovation forum and Award
- Accessories Innovation Forum and Awards
- Technical Textiles Trends exhibition



Summit



Innovation Awards







New Markets approach





- **Product communication**
- Market intelligence
- Internationalization
- Trade fairs missions

















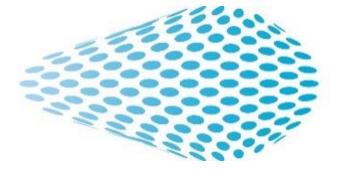


Textile opportunities are everywhere

Clusterisation and intercluster cross-fertilisation



Cluster Governance



CLUSTER TÊXTIL tecnologia e moda



















Involvement in clusters



































transforming ideas into business

Entrepreneurship

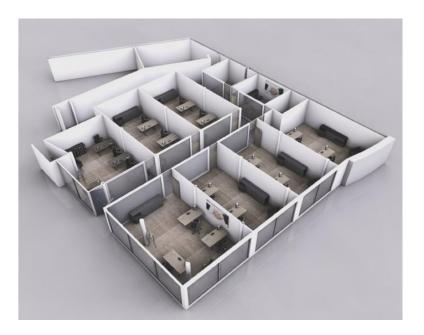


Entrepreneurship

- Incubation for new companies (High-Tech-High-Growth)
- Coaching and suporting services
- Proof of concept, seed capital management



























International Consulting

Internacional Consulting



- Lab plan, Implementation and accreditation
- Technology Roadmap definition and follow up
- Inter-laboratorial trusting
- Training (Lab techniques, nanotech, functional materials, ...)
- Networking



