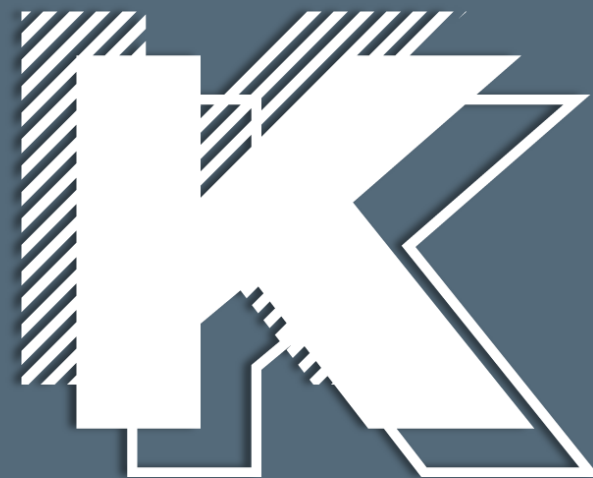


Industry 4.0 and IoT

CITEVE Roadmap



The role and aspirations of CITEVE

- Be a facilitator for the early adoption of Industry 4.0 technologies and applications by Portuguese companies;
- Be the driving force in the translation of knowledge into innovation for the textiles industry, working in close cooperation with the actors of the innovation ecosystem;
- Aggregate relevant players into a powerful ecosystem with international ties;
- To be a recognised co-responsible for the successful digital transformation of the Portuguese cluster in the coming years.

Main activities

- Learning / Micro factory
 - Industry 4.0 demonstrator
 - Small-scale industrial facility
 - Capable of producing small series or lot-size 1
 - Training
 - Validation of industry 4.0 technology and applications
- Technical consultancy services
 - Support for the establishing and implementation of digital transformation programs

Main activities

- Research and development

- Develop knowledge and IP
- Contribute to new solutions with high TRL
- Bring together players from Research, Companies, Tech suppliers, Start-ups, both national and international
- Multidisciplinary R&D with a focus on textile business and processes

- Entrepreneurship

- Promote new projects through entrepreneurship programs
- Ensure that R&D projects contribute to the flow of new start-ups

Main activities

- Technological and business Intelligence
 - Effort to monitor the evolution on each of the strategic fields
- Communication and Dissemination
 - Efforts to communicate and disseminate all the developments and results from CITEVE activities in the Industry 4.0 domain

Main activities

- Ecosystem

- A network of institutions and people, from:
 - Textile value-chain
 - OEM
 - IT companies and start-ups
 - Research (Information technology, Management, Mechatronics, ...)
 - Education (Masters and PhD programs)
 - Business and industry associations, both national and regional
 - ...
- Reach, engage, share, work together
- Sharing of R&D agendas

Main activities

- iMAN Digital Innovation Hub for Customer-Driven Manufacturing



Produtech – Polo das Tecnologias de Produção

INESCTEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência

CITEVE – Centro Tecnológico para Indústria Têxtil e Vestuário

CTCP – Centro Tecnológico do Calçadp

CTCOR – Centro Tecnológico da Cortiça

CATIM- Centro de Apoio Tecnológico Indústria Metalomecânica

UPTEC – Parque de Ciência e Tecnologia da Universidade do Porto