



CIRCTEX

Interreg 
North-West Europe
European Regional Development Fund

NEWSLETTER November 2021

 **CIRCTEX**
SUSTAINABLE - SOCIAL - CIRCULAR



DESIGN FOR
RECYCLING



DISASSEMBLY



RECYCLING



CIRCULAR
PRODUCT



Interreg 
North-West Europe

Groenendijk

A NEW CIRCULAR STEP FORWARD

Groenendijk received new samples of CircTex products that have been designed entirely with circular principles in mind. Circular clothing is an objective to which a lot of attention is being paid within the textile industry. For example, in 2020, under the leadership of the NEN, the NTA circular textile was launched and now (in 2021) work is being done on a certification model. The CircTex project is a participant in the NEN committees and builds on this with the aim of realising technologies and products that make circularity a reality.

In an earlier phase, Groenendijk developed a design for a jacket, trousers, softshell and polo in which user comfort, lifespan and recycling are central. The question is continuously asked: is this material sustainable and can it be recycled at all? How does it remain recyclable once it has been incorporated into the clothing? How do we realise mono streams?

For the jacket, trousers, softshell and polo, a first sample was produced to test whether all ideas are feasible in practice. An example is the design of pockets where no zip or button is needed to close them (safely). This comes from thoughts of using material more efficiently. We are also working with a fabric that is made of a mono-material, is water/dirt repellent and has a nice feel.



Interreg 
North-West Europe
European Regional Development Fund

Wear2Go provides a breakthrough in circular textiles

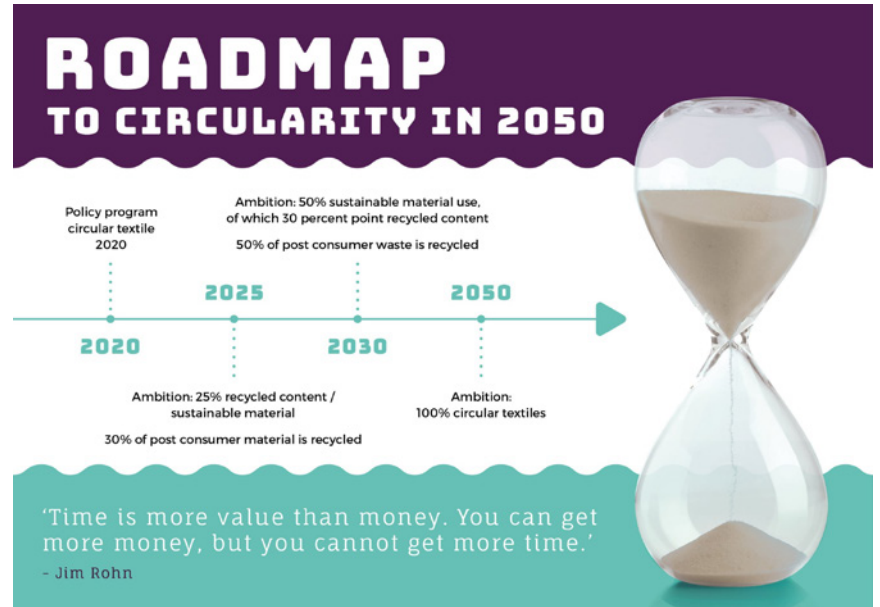


Wear2Go invested in innovative microwave tunnel dryer that allows to disassemble disassemble a textile product in a simple and easy way, in less than 60 seconds.

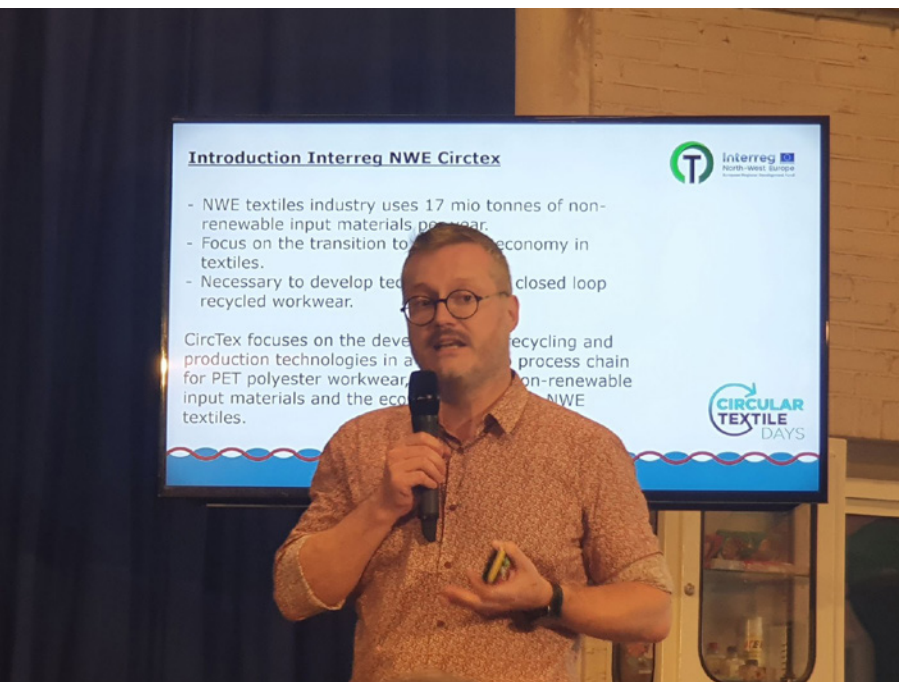
- Capacity demo 7.000 tons per year with upscaling capacity to 15.000 tons per year
- PLC based supervision system driven by Wear2Go-platform

at the 2021 circular textiles days

MODINT: Both participants and visitors are positive about the new exhibition Circular Textile Days that took place on 14 and 15 September in Amersfoort. In the attractive space of the Prodentfabriek various players from the textile and especially the industrial clothing sector presented themselves with sustainable and circular products and projects. A valuable event for everyone in the sector who wants to keep abreast of the developments in this area.



The CircTex project and its concept have been vastly promoted during the first edition of Circular Days (14 & 15/09/2021)



Centexbel & Modint introduce the Interreg NWE CircTex project: development of recycling and production technologies in a closed-loop process for PET workwear, presented by Marta Molist of Antex and John Beelen of Wear2Go

More on the project website

<https://www.nweurope.eu/projects/project-search/circtex-innovation-towards-a-circular-future-for-nwe-textiles>





CIRCTEX

CircTex focuses on the development of recycling and production techniques in a closed process chain for polyester (PET) workwear.

The textile industry in the NWE zone consumes 17 million tonnes of non-renewable raw materials annually. That is why the transition to a circular economy within the textile industry is pressing.

Industrial clothing is the ideal starting point for circularity in the textile industry. Because reuse is prohibited, this sector is completely dependent on new materials. The quality requirements are also higher and the effect of use higher than in other textile sectors. The results obtained in CircTex will therefore be equally applicable in the other textile sectors.

CircTex will provide a proof-of-concept for fully recyclable workwear within NWE by developing technologies for large-scale processing of PET workwear, which will be validated and demonstrated in a closed chain pilot.

Optimising the integration of these technologies and process steps is essential to ensure recyclability.

Furthermore, the workwear sector is the ideal starting point for industry-wide innovation, as it is used to working with (inter)national standards and public tenders that demand more and more circularity in their specifications.



CircTex will stimulate growth of the NWE textiles industry, creating numerous jobs in the future. As the textiles industry is transnational, territorial cooperation in NWE is crucial for significant impact.



CIRCTEX

PROJECT LEADER

MODINT, Trade association on fashion, interior, carpet and textile

PROJECT PARTNERS

Groenendijk Bedrijfskleding BV - Netherlands

Wear2Go - Netherlands

Texowear BV - Netherlands

Centexbel - Belgium

C-Tech Innovation Limited - United Kingdom

J&A (International) Ltd - United Kingdom

ANGLES TEXTIL S.A. - Spain

Global Technical Fabrics, S.L - Spain

Association UP-tex Pôle de compétitivité - France