



THREADING-CO₂

HORIZON-CL4-2022-TWIN-
TRANSITION-01-11

ThreadingCO2

Full Title: THREADING-CO2

Aim:

Addressing the key challenges of carbon neutrality, circularity, cost, value chain adaption, and textile properties is the ambition of Threading-CO2, a disruptive project that will demonstrate on an industrial scale a first-of-its-kind technology that converts CO2 waste streams into sustainable PET textiles. Threading-CO2 aims to scale-up and demonstrate its first-of-its-kind technology producing high-quality commercially viable sustainable PET textile products from CO2 waste streams at industrial scale (TRL7) using a circular manufacturing approach and running on renewable energy sources. The overall outcome of the Threading-CO2 project is a 70% GHG emissions reduction compared to existing PET manufacturing processes. In addition, Threading-CO2 will enable the creation of a European value chain for sustainable PET textiles, from feedstock to final textile products in the clothing, automotive and sports/outdoor industries.

Start date:

01/01/2023

End date: