



Waste2Fresh

CE-SPIRE-07-2020

Waste2Fresh

Full Title: Smart innovative system for recycling wastewater and creating closed loops in textile manufacturing industrial processes

Aim:

Have you ever imagined the actual impact of wastewater from factories? Waste2Fresh is bringing exciting and groundbreaking innovative solutions specifically tailored to textile manufacturing processes to target the evergrowing sustainability concerns within the industry. Horizon 2020 project Waste2Fresh is addressing freshwater resource scarcity and industrial water pollution by bringing together leading textile manufacturing companies and relevant SMEs across Europe, as well as supporting Industry Innovation and Research and Technology Organisations.

Concept:

The Waste2Fresh system will integrate novel catalytic degradation approaches with highly selective separation and extraction techniques to deliver a closed loop system that assures near-zero discharge of wastewater, reduce current use of freshwater resources and increase the recovery of water, energy and other resources including organics, salts and heavy metals. The system will therefore increase resource and water efficiency and ultimately lead to considerable environmental gains helping to reduce EU and global environmental footprints. This brand new, innovative technology to reduce wastewater and pollution, whilst also addressing the current unequal access to sustainable technology, will lead to greater prosperity and quality of life for all.

Start date:

01/12/2020

End date:

30/11/2023

