

Sustainability With qCoat

ecological, economic and social

qCoats technology is designed to improve the quality of life for everyone. Conserving resources is addressed in the production as well as in the application of qCoats products. The environment is protected by avoiding the use of toxic substances wherever possible and to find solutions to replace currently used harmful agents. When planning our own processing plant, we focus on resource conservation and durability, as we do in our product development.

qCoat strengthens the regional economy through a targeted selection of cooperations. Sustainability is considered in the supply chain. Employees are supported in their professional and personal development.



- provision of larger quantities of clean drinking water compared to conventional membrane products
- energy savings, for example through reduction of pump power
- water-based processing and no use of toxic substances



- demand for raw materials and consumables reduced to a minimum
- research projects on environmental protection and resource conservation
- strengthening the regional economy through selected cooperations



- promotion of social justice and equal opportunities: qCoat has a balanced gender distribution (50/50)
- further training and development of our employees is a matter of course
- partnerships: DGMT membership

qCoats Projects

innovation for sustainability



Climate change, plastic pollution and food insecurity threaten the world.

REPLACER provides solutions including a new concept for carbon sequestration. High-performance Hybrid Living Materials and bioreactor prototypes made from recycled PET membranes produce biomass as feed (microbial proteins) using greenhouse gases.



This project contributes to

- capture greenhouse gases and support the EU's greenhouse gas emission reduction targets
- recycle plastics and support the European Green Deal and the Circular Economy Action Plan,
- produce microbial proteins and reduce the EU's dependence on soya protein imports.

Quelle und Bilder: [Ziele | REPLACER \(uni-leipzig.de\)](#)

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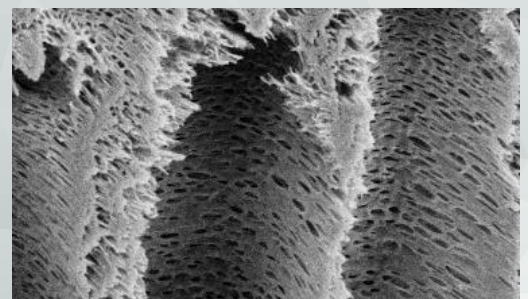
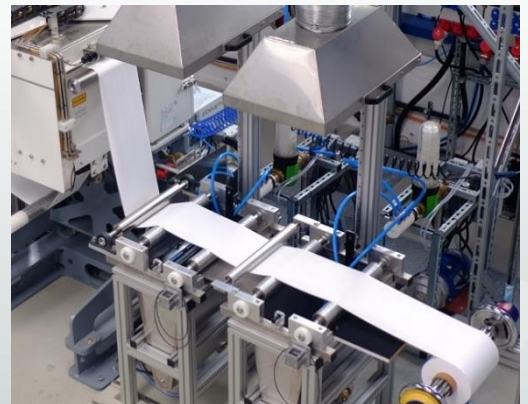
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aufgrund eines Beschlusses
des Deutschen Bundestages

In Hydro4F funded by the Federal Ministry of Education and Research (BMBF), the Leibniz Institute of Surface Engineering IOM is working with qCoat GmbH to develop a new type of multifunctional membrane coating.

This eliminates the need for additional and sometimes toxic impregnating agents. Modifying the membrane pores with a thin stabilizing layer will also prevent the pores from collapsing.

The new stabilizing layer is also intended to act synergistically as an anti-fouling coating. The end user saves up to 70 % of all energy and operating costs associated with fouling in a membrane-operated filtration system. This is our direct contribution to environmental protection and resource conservation.



GEFÖRDERT VON



ocoat
selective performance membranes