CASE STUDY FABRIC SOLUTIONS

RENEWCELL

Renewcell has built the world's first commercial-scale Next Gen dissolving pulp mill for textiles. It uses millions of old jeans and t-shirts, rather than forests, to produce pulp for rayon and lyocell textiles. Renewcell uses 90% less water and five tonnes less CO2 per tonne of product¹.

Renewcell is at the forefront of fashion's circular economy. They are already expanding production capacity with plans to construct more mills.



HOW WE DID IT

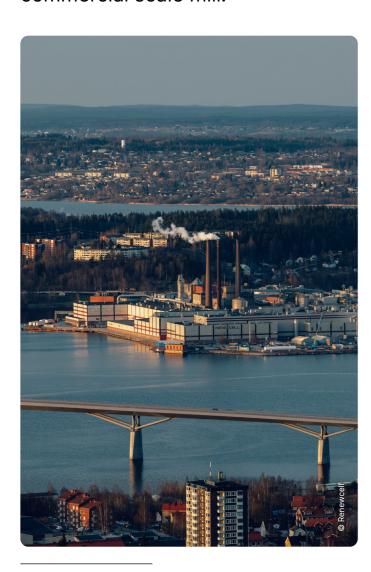
Canopy connected Renewcell with a major viscose producer and speed-dated that producer with our brand partners, leading to Renewcell's first offtake agreement. That five-year offtake, for two thirds of production, unlocked Renewcell's financing and led to the construction of their first commercial scale mill.

IMPACT

Compared to conventional wood pulping, Renewcell's system uses no tree fibre – leaving forest habitat and carbon storage intact. Each tonne of Renewcell's Circulose® avoids five tonnes of CO2 emissions compared to dissolving pulp from trees².

POTENTIAL IF SCALED

More Renewcell mills – and scaled production of other textile-to-textile technologies – enable the fashion industry to stop using high-carbon forests to make fabrics and to reduce waste. They provide a supply chain for used cotton textiles to go back into a circular economy rather than to the landfill.







GET INVOLVED

FOR INVESTORS

Investors can help Renewcell to build their next mill.

FOR BRANDS

Brands can commit to buy MMCF textile products made with Circulose[®].

FOR PRODUCERS

Producers can replace high-carbon wood pulp with Circulose[®] at their mills and explore potential partnerships to retrofit existing wood-based production facilities.

CONTACT US

For more information, contact our team at nextgensolutions@canopyplanet.org

¹ Based on 2017 SCS LCA

² Based on 2017 SCS LCA