

## Chemicals out of CO<sub>2</sub> – making the Chemical industry carbon footprint neutral

**Imagine a world 30 years from now; renewable energy powers the sustainable production of chemicals and fuels; harmonizing carbon release and capture. Captured carbon feeds the production of new-era renewable molecules that supply the global production of materials, while also offsetting CO<sub>2</sub> release.**

**This is Photanol and Renolit's shared mission for a better future.**

Today, the chemical industry is responsible for 11-18% of the world's oil and natural gas demand and 7% of our today's global GHG emissions. Chemical processes are energy intensive and predominantly fossil-fuelled. Ever increasing CO<sub>2</sub> emissions represent the most difficult challenge facing the chemicals industry and the planet. We need innovative solutions, and fast.

Renolit Healthcare and Photanol are collaborating to turn things around; powering a disruptive, positive impact technology that will accelerate the sustainable transformation of the global chemical industry.

As the world's leading developer and producer of medical-grade high-value polymer solutions, Renolit has been at the heart of human health for the last fifty years. The company's mission is to continue its work while leading the industry in innovative, responsible manufacturing.

Photanol is a revolutionary company developing clean and renewable chemicals; its proprietary platform technology transforms CO<sub>2</sub> into carbon-based chemicals using just sunlight. Enhancing and growing cyanobacteria inside photobioreactors to develop circular solutions for the different monomers, polymers and plastics employed across chemical industries. Thanks to Photanol's pilot and demonstration plants, this groundbreaking solution is primed for global scalability and market production.

Renolit Healthcare and Photanol join forces for Project AIR; the development of circular ethylene and propylene – targeted to achieve commercial productivity in just four years. This project will enable the production of sustainable, high-value medical-grade packaging materials at a competitive price. We want you to become a part of this development of circular polymers so we can have an even larger impact on a global scale.

**Let's create a big wave, together!**



*Rely on it.*



PHOTANOL