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PRESS RELEASE

RENOLIT SE
Horchheimer Straße 50
67547 Worms/Germany
www.renolit.com

Your contact person:
Paul von Kirchbach
Mobile: +31.621.140.216
paulvon.kirchbach@renolit.com
com

MAKING POLYMERS OUT OF AIR

Worms, July 3rd, 2020 – **Photanol BV** and **RENOLIT SE** form a strategic partnership to develop polymers by using CO₂ absorbed from the air in a direct, fully circular and CO₂-neutral conversion process without the usage of (fossil) oil and gas.

As such, this innovative process is an optimal solution to contribute to the reduction of global warming while still enjoying the benefits of virgin high performance polymers.

The process uses light and CO₂ as raw material and produces so called monomers (building blocks for polymers) by photosynthesis of cyanobacteria while exhausting oxygen.

RENOLIT Board member and General Manager Healthcare Thomas Sampers: “This partnership is bringing a long series of benefits to our healthcare customers and patients, amongst which fully sustainable raw materials, better quality of medical devices due to higher purity of the raw materials and a secured supply-chain. Furthermore **Photanol** will not only develop and manufacture monomers for the needs of **RENOLIT** Healthcare, but also for other applications of our Group.”

Veronique de Bruijn, CEO of **Photanol**: “We are excited to have an experienced partner on our side for the development of circular polymers which will have a huge impact on a global scale. Teaming up with **RENOLIT** helps us to bring this fascinating disruptive technology to many markets at competitive cost while taking care of the planet”.

Picture and caption: Veronique de Bruijn, **Photanol** and Thomas Sampers, **RENOLIT SE**



Photo: RENOLIT SE



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The companies

The **RENOLIT Group** is a globally active specialist for high-quality polymer films, sheets and other polymer solutions. With more than thirty production sites and sales units in twenty countries, and with annual sales of more than EUR 1.0 billion in fiscal year 2019, the company with headquarters in Worms – around 70 km south of Frankfurt-am-Main – is one of the world's leading polymer product manufacturers. More than 4,800 employees continue to further developing the knowledge and expertise gained from over seventy years of business.

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Photanol develops and produces circular carbon chemicals. The **Photanol** proprietary technology utilises CO₂ and cyanobacteria for their sustainable chemicals production platform providing next-generation clean chemicals. The unique technology reduces the impact of chemical industry on global warming by utilizing CO₂ as feedstock rather than fossil resources. As compared to traditional bio-based technologies, the chosen pathway also dramatically reduces the need for land and water. As such, **Photanol** can produce chemicals in a biological, sustainable and cost-effective way, while reducing atmospheric CO₂ in the process.

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