

Marabu to be climate neutral from July 2021

Green milestone in the company's history - with **PROJECT GREEN**, the ink manufacturer will be climate neutral by the middle of the year.

Tamm, June 2021

Marabu is one of the first ink manufacturers to achieve climate neutrality. All Marabu Business Units will, where possible, make a specific contribution to achieve the 17 United Nations Sustainable Development Goals (SDGs) with PROJECT GREEN and therefore participate in the Green Deal.



"We are safeguarding the future of the next generations and are proud that we have managed to be a climate neutral company from July 2021 with the Tamm and Bietigheim sites. All our products, whether printing inks or creative colours, are climate neutral, too," explains York Boeder, CEO Executive Committee. "Our so-called PROJECT GREEN combines all measures that are taking us on our journey to climate neutrality. Climate protection

is a particular concern for us, to which we have made a binding commitment within the scope of an extensive sustainability strategy. In accordance with our Marabu Green Deal, we avoid and reduce emissions wherever possible, e. g. by using green electricity, energy-saving schemes, mobility concepts or environmentally friendly materials. We offset all unavoidable CO₂ emissions by supporting internationally certified climate protection projects. We are continually implementing measures to improve our carbon footprint and update them annually to make their success measurable. We have therefore set ourselves the active goal of reducing our CO₂ emissions by another 25 % by 2030."

For decades, Marabu has invested in the research and development of safe production processes, environmentally friendly products, and clean technologies with the aim of preserving the natural environment. Marabu has worked with Climate Partner to analyse all the CO₂ emissions from the sites in Tamm and Bietigheim and determine its carbon footprint. Including all product-related factors such as raw materials and logistics, Marabu currently generates approx. 18,500 tons of unavoidable CO₂ emissions. This value is the positive result of a number of climate-friendly measures pursued by Marabu, such as the early switch to green electricity in 2007.

Marabu's main activities to avoid and reduce CO₂ emissions

Energy - by switching to green electricity from hydropower, we eliminate almost 2,000 tons of CO₂ every year, the equivalent of the annual CO₂ footprint of 175 German citizens. By landscaping roofs, we barely need any air-conditioning. We are also constantly investing in renewable projects for saving energy in other areas, such as the switch to modern lighting systems.

Mobility - electromobility is the future. In view of this, we are continuously investing in the migration of our company vehicles to electric and hybrid cars as well as in e-charging stations. We support home office and 'cycle to work' initiatives. We are replacing laborious business trips with productive online conferences. Where on-site visits are unavoidable, we always minimize

the number of travelers. Green modes of transport like train and public transport enable us to largely eliminate domestic and international flights.

Production - in our production facilities, we use renewable energies and resource-efficient production processes. We use water treatment and solvent recovery as well as open-air cooling and low power cooling systems to avoid environmentally damaging coolants.

Our packaging protects the products, presents the contents and is impressively durable. Whether glass, aluminum, cardboard or plastic, the use is carefully weighed up according to the principle: as little material as necessary, as much recycling as possible. That's why we prefer monomaterials and materials with a high recycled content.

Raw materials - in our in-house laboratories, experts conduct daily research to replace critical substances with environmentally friendly alternatives for new and existing products. We also extend this environmental commitment from Marabu to our upstream supply chains.

Transporting - green transportation is already part of our climate strategy. Climate-neutral freight carriers and lower-emission transport methods like shipping or road transport replace air freight wherever possible. And at all Marabu sites, consistent waste management is practiced as a matter of course.

Product technology - we have been developing modern, low-emission products for decades. Tests in independent laboratories and test centers confirm our commitment to responsible products. The proportion of water-based systems for our creative colours is already over 90% plus we are working hard to develop new formulations based on renewable raw materials. In the printing inks division, we expect to be able to increase the proportion of water-based systems by more than 300% over the next 5 years. In addition, the well-established UV-curable ink systems and, in particular, the LED-curable systems help us increasingly to avoid ceramic paints and solvent-containing systems, thereby further reducing VOC emissions generated by the printing process.

Marabu is a partner of selected climate protection projects



We offset unavoidable CO₂ emissions with selected climate protection projects. All projects are certified to the Gold Standard CER (Certified Emission Reduction) and meet particularly high requirements. With a branch office in Brazil and a production site in Paraguay, we feel a strong connection to South America. The idea behind the forest conservation project in Portel is to support the Ribeirinhos, one of the poorest populations in the Amazon, and sustainably protect the rainforests. If its deforestation continues, millions of tons of CO₂ will be incessantly released. By giving the Ribeirinhos the official land rights, agricultural companies can no longer occupy the area. This rescues about 3,000 hectares of rainforest from destruction each year and enables them to be managed in a resource-conserving manner.



With a subsidiary in Shanghai and strong business partnerships throughout Asia, we maintain close communications with the continent. In China, we support the biogas project in Haikou. And successfully so: 15,555 small farmers have so far been able to set up small biogas systems for their own use. The resulting gas covers all of an household's heating requirements.



As a leading printing ink manufacturer for the packaging industry, we feel a particular sense of responsibility towards the protection of the oceans. Over 8 million tons of plastic waste end up in the world's seas and oceans every year. Through Project Plastic Bank, people in Haiti, Indonesia, Brazil or the Philippines collect plastic waste and exchange it at local collection points for food, drinking water, mobile phone credit or school fees. The collected plastic is carefully reintegrated into the product cycle.

Our climate protection projects therefore not only save CO₂, but also contribute to sustainable local development.

The label 'climate neutral' represents transparent and credible climate protection. Our carbon footprint as well as our climate protection projects can be tracked via an ID number and the Climate Partner ID tracking system. But this is only the beginning - our journey to climate neutrality is far from complete. Detailed information on Marabu PROJECT GREEN can be found in our new brochure and on: <https://www.marabu.de/en>

Marabu GmbH & Co. KG



Marabu is a leading global manufacturer of liquid coatings and screen, digital as well as pad printing inks with headquarters near Stuttgart, Germany. Marabu's track record of innovation stretches back to 1859, featuring many industry-first solutions for

both industrial applications and graphic design. With its 16 subsidiaries and exclusive distribution partners, Marabu offers high-quality products and customer-specific services in more than 90 countries. Exceptional technical support, hands-on customer training, and environmental protection are core elements of its corporate philosophy. Sustainable business practices are also key to Marabu's vision. These have been implemented through a number of initiatives, with concrete results. Marabu will continue to pursue these activities with commitment in the future and is certified according to ISO 9001 and ISO 14001.