

Renewable Materials Conference (RMC), 22-24 September 2025

Headline: Pioneering the Future of Biomaterials: Fibenol's Journey from Innovation to Industrial Scale

In our upcoming presentation at **Renewable Materials Conference 2025**, Fibenol will explore the future of biomaterials, sharing profound insights and expertise powered by science, innovation, and our first-of-a-kind woody biorefinery scale-up. We firmly believe that sustainable biomaterials hold the key to a greener tomorrow, offering a viable alternative to fossil-based chemicals with their exceptional CO₂ footprint.

The Power of Collaboration: Turning innovation into reality requires visionary thinkers and seamless collaboration between the scientific community and entrepreneurs. Together, we can bring forth superior and more sustainable products, disrupting existing value chains and paving the way for entirely new possibilities powered by biomaterials. It all boils down to our collective willingness to embrace the shift from fossil to sustainable biomaterials.

Overcoming Challenges: Having been in the market with new-age biomaterials for some time, from piloting to actual industrial production, we have successfully scaled up from the lab and overcome the “Valley of Death” of technology innovations. Yet, we face new challenges ahead that we wish to discuss.

Navigating Regulatory Frameworks: One major challenge is the regulatory framework. While funding can be addressed, the regulatory framework to move beyond fossil-based chemicals is not yet mandatory. The sky is the limit here, from deregulation zones to collaborative efforts to support the next steps in regulatory frameworks, which are essential to making the green transition a reality.

Ensuring Fair Comparisons: Another challenge is the comparison of biomaterials. An “apples-to-apples” comparison does not work here. The CO₂ footprint as a sales argument may vary, and we have seen that transparency and third-party verified Life Cycle Assessments (LCA) are crucial factors. The market comparison is like the wild west. To make the shift, we need to focus on asking more questions and understanding the value chain, not just taking the numbers at face value.

With our industrial scale-up set for 2030 and the expected growth of the bioeconomy, the defossilization of the chemical industry can be powered by biobased solutions. However, the commitment to moving from pilots to commercialization, along with a strong voice for a supportive regulatory framework, needs to align. We look forward to highlighting both challenges and victories in our upcoming presentation at the Renewable Materials Conference.