



Renewable Materials 2021 Conference presentation abstract

FIBENOL - „Rethinking the wood bioprocessing industry to deliver MORE from LESS“. Delivering unique primary raw materials for biochemicals and biomaterials industry at scale. To learn what FIBENOL is all about, have a look at www.fibenol.com

Fibenol OÜ is a spin-off from Graanul Invest Group, a leading EU wood pellets producer. Fibenol has built a new of a kind flagship biorefinery based on a novel pre-treatment technology to fully convert residual woody biomass into sustainable renewable feedstocks for the chemicals, materials and fuels industries. From our flagship plant in Imavere, Estonia we are introducing to the market a new quality of crude hydrolytic lignin(s), high purity cellulosic sugars and unique characteristics micro crystalline cellulose. Our no smell hydrolytic lignin has been successfully used in application areas such as biocomposites, phenol replacement in PF resins and is an excellent starting point for further chemical modification steps. The cellulosic sugars on the other hand are very high in purity and therefore excellent substitution for conventional sugar sources with added benefit of reduced environmental footprint. Micro crystalline cellulose production process is totally different compared to conventional kraft fiber based MCC`s or nano scale celluloses which opens up whole new perspective for the end use cases. From SWEETWOODS flagship plant samples are already available at ton scale and industrial production targeted to be commissioned in Q4 2022.

