



The target of the Eurostars funded R&D project is to validate additional components and supply chain for Dry Molded Fiber.



This project has received funding from the Eurostars-2 joint programme with co-funding from the European Union Horizon 2020 research and innovation programme



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BIO-LUTIONS and PulPac reveal joint Eurostars R&D project

The project, that revolves around PulPac's unique fiber forming technology and its potential to operate with fibers sourced from agricultural residues – provided by BIO-LUTIONS – has been granted financial support for cutting-edge R&D and testing, within the Eurostars innovation program. The scope is to design, build and test a prototype of a Dry Molded Fiber machine by adapting standard components, traditionally used for production of plastic products. The aim is to validate components for international packaging markets that can use agricultural residues as inputs, besides standard pulp. PulPac will address the technical challenge, while BIO-LUTIONS will support with operational requirements and conduct pilot tests with its unique fibcro® fibers.

Ove Larsson, Chief Technology Innovation Officer at PulPac comments, “We are very excited about the Eurostars project and the opportunity to investigate how Dry Molded Fiber could utilize components from the plastic industry. Surprisingly, single-use plastic production is still growing globally, albeit with more and more products being banned by governments, and consumers demanding a shift – with cellulose fibers as the obvious solution. By widening the possibilities for Dry Molded Fiber to also include plastic-machine components, we would be able to accelerate the transition to a circular economy. Our solutions are plastic-free, biodegradable and recyclable but most importantly, cost-effective.”

“Combining BIO-LUTIONS' fibcro® natural fibers sources from agricultural residues, and the Dry Molded Fiber process gives us unique opportunities. We are excited to be part of this R&D-project to validate and support with our operations expertise and test capacity” comments Eduardo Gordillo, CEO BIO-LUTIONS.

Eurostars is the largest international funding program for SMEs wishing to collaborate on R&D projects that create innovative products, processes, or services for commercialization.

About BIO-LUTIONS:

BIO-LUTIONS is a Hamburg-based clean tech start-up that has developed its own innovative natural fibre technology, used to produce sustainable packaging and disposable tableware. The production process gives a second life to currently unused agricultural residues as raw material to replace conventional plastic and paper products. BIO-LUTIONS was founded in 2017 and is currently expanding in Asia and Europe. With the purely mechanical process BIO-LUTIONS creates stable structures and products without additional binding agents. The application of this innovative fibre technology was developed in Germany, at their technical centre in Schwedt/Oder, Brandenburg. The first factory was opened in Bangalore, India and now follows the new production facility in Schwedt/Oder, Germany. As part of the Innovation Campus Schwedt, BIO-LUTIONS is a part of the new hub for innovative technology in Brandenburg.

For more information, please visit: www.bio-lutions.com

About PulPac:

PulPac provides the packaging industry with a groundbreaking manufacturing technology for low-cost, high-performance fiber-based packaging and single-use products. By pioneering the technology of cellulose molding PulPac enables their customers to replace single-use plastics with a sustainable and cost competitive alternative globally.

For additional information about PulPac, please visit www.pulpac.com or follow us on social media.

About Dry Molded Fiber

Dry Molded Fiber, invented and patented by PulPac, is a manufacturing technology designed for the circular economy. It leverages globally available, affordable, and renewable cellulose fibers to produce high performance fiber-based packaging and single-use products with highly competitive unit economics. Dry Molded Fiber also saves significant amounts of valuable water resources and energy, resulting in up to 80% lower CO2 footprint compared to alternatives.

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