

*The new factory in Germany will be up and running this summer and brings together two unique innovations, BIO-LUTIONS's fibcro® natural fibers and PulPac's Dry Molded Fiber, technology – delivering truly sustainable and competitive fiber-based packaging to the world.*

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## **BIO-LUTIONS partners with PulPac – sets up large-scale Dry Molded Fiber production**

**The German Clean Tech Startup BIO-LUTIONS and PulPac, the Dry Molded Fiber pioneer are natural allies in their objective to replace single-use plastics globally. Together with machine suppliers, they have developed a Dry Molded Fiber production line, set to start production in the new BIO-LUTIONS factory in Schwedt/Oder, Germany by the summer of 2022.**

BIO-LUTIONS mechanically converts agricultural residues into unique, self-binding, durable **fibcro®** natural fibers. This patented method eliminates the need for binding agents or chemical cellulose isolation, as the whole fiber is used. From these fibers together with the dry moulding technology, BIO-LUTIONS will produce a variety of sustainable single-use disposable products such as service food items (cutlery and tableware) as well as protein, fruit and vegetable packaging. By introducing the new dry moulding technology provided by PulPac, production can now benefit from the unique cost and quality advantages compared to existing cellulose forming solutions.

The cooperation with PulPac opens the door to an additional production technology for fibre moulding, allowing for technology diversification as well as optimisation of dry moulding processes. The Dry Molded Fiber technology saves significant amounts of valuable water resources and energy, resulting in up to 80% lower CO2 footprint compared to alternatives. The process is extremely fast and more efficient than conventional fiber forming methods. While the Dry Molded Fiber technology will not be used for all BIO-LUTIONS' products, it does offer significant production advantages for a large variety of single use products.

“Each company brings something unique and valuable to the table. Being able to create partnerships that prioritize creating real solutions to the plastic age, rather than trying to build walls is what will make true change possible. That is why we are very excited to include dry moulding from PulPac as a second core production technique” Eduardo Gordillo, CEO BIO-LUTIONS.

“BIO-LUTIONS is an innovative and fast-moving partner. We share a doer attitude and a clear-cut commitment to replace single-use plastics at scale. Having products on the market already this year will take the concept of sustainable packaging a big leap forward. We look forward to a long-term partnership where we can share know-how and expertise to leverage the full potential of dry moulding within BIO-LUTIONS' operations and customer network.” says Linus Larsson, CEO, PulPac AB.

## 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 residuals 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, Brandenburg. The first factory was opened in Bangalore, India and now follows the new production facility in Schwedt, 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](http://www.bio-lutions.com)

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## 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](http://www.pulpac.com) or follow us on social media.

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