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## **PulPac and HS Manufacturing Group reveal cooperation in developing sustainable cutting-edge barrier technologies adapted for Dry Molded Fiber.**

PulPac's "Dry Molded Fiber" is a patented manufacturing technology for the circular economy – using renewable pulp and cellulose resources to produce low cost, high performance, fiber-based packaging, and single-use products. Dry Molded Fiber gives up to 80-90% lower CO2 footprint at similar cost as plastic. It is also up to ten times as efficient as conventional fiber molding invented over 100 years ago. It also eliminates the need for valuable water resources in the defibration process.

The goal of the cooperation with HS Manufacturing Group (HSMG) is to refine, develop and test HSMG's platform of PROTĒAN<sup>®</sup> barrier technologies for industrial scale application methods, which enable the integration of environmentally friendly hydro- or oleophobic barriers adapted to the Dry Molded Fiber process.

"PulPac's development is rapidly progressing, and we see much value in partnering together with other technology leaders throughout the value chain to further empower the transformation to Dry Molded Fiber from Plastics. The Cooperation with HSMG is a driver with exciting solutions coming to the market around sustainable chemicals, barriers, and materials." comments Ove Larsson, Chief Technology Officer at PulPac AB.

"We are very pleased to reveal the cooperation with PulPac in co-developing our barrier technology into the DMF-production process. We are proud to be a driving part in sustainable chemistry for this breakthrough production process. It could be the key to cost effectively replace single-use plastics at scale with cellulose-based products – combined with our oil, grease and water barriers aimed to replace plastics and fluorochemicals." Comments Kris Burton, COO at HS Manufacturing Group.

The outcome of the cooperation would enable the creation of several types of completely sustainable packaging products with high barrier properties with protection against, for example, grease and moisture. PulPac sees many advantages in the HSMG's barrier technology portfolio:

- Sustainable OGR-barrier (Biobased, Biodegradable, Recyclable and Compostable)
- Water-barrier with multiple application techniques
- Possible to transport at 100% dry content
- Combinable, versatile

"HSMG's chemistry and application methods available shows very promising opportunities to enable good and sustainable barrier properties in Dry Molded Fiber and could especially fit well into packaging and products for the quick service restaurants." comments Niklas Westerberg, Technical Lead on Chemistry & Material Development (Ph.D.) at PulPac AB



For more information and images: [www.pulpac.com](http://www.pulpac.com)

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*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.*

*HSMG® LLC is the eco-tech operation of Greentech Global Pte. Ltd.™ We develop and license our patented additive and barrier coating platform technology, PROTĒAN®, to pulp, paper and packaging manufacturers and specialty chemical companies. We offer water-resistant and/or oil- and grease-resistant alternatives to plastic coatings and fluorochemicals in a broad range of cellulose-based single use products. Formulations made with this platform technology can be recyclable, biodegradable and compostable. To learn more, please visit: [www.hsmgrp.com](http://www.hsmgrp.com).*