WELCOME

to the home of Dry Molded Fiber

PulPac



Sanna Fager

CHIEF COMMERCIAL OFFICER

PULPAC IN BRIEF

Founded in 2018

Scaling and industrializing

Extensive partner network

90

Employees with world-leading know-how

40+

Million euro in raised capital

20+

Licensees in Europe, US and Asia

OUR INVESTORS

aliaxis

collateral goodventures

amcor

WPP

storaenso

TESEO CAPITAL
SICAV SIF



WE ONLY MADE IT BETTER

Fiber was always the best alternative



By 2040

Consumers won't tolerate a choice between sustainability and convenience.

THEY WILL EXPECT BOTH.

According to the report "Sustainable food packaging in 2040" by Smithers & UPM.

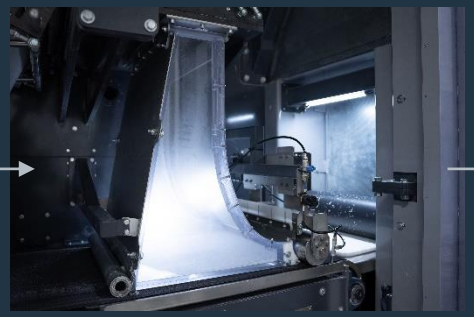
ASPECTS OF

the Dry Molded Fiber process



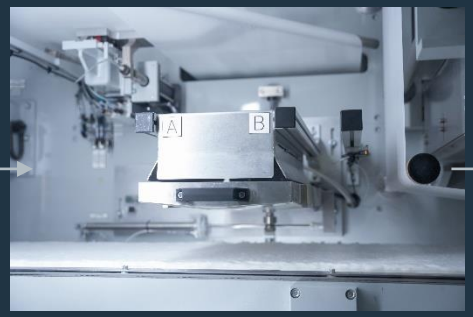
START WITH PULP

Generic resource, accessible, and available worldwide



MILL-TO-WEB

Defibrated pulp turns into a loose, web-like material



APPLY TISSUE AND BARRIER

Barriers are applied to meet requirements of intended use



MOLD INTO PRODUCT

Products are formed using heat and pressure in a standard plate press with uniquely designed tools



RECYCLE WASTE

Any excess material is fed back into the process

SCALA

HUARONG

BASED IN TAIWAN

Cycle time	Down to 3,5 s
Press (horizontal clamping)	300 tons
Footprint	9.3 x 2.5 x 2.8 m
Output	64.000.000 pcs/year
Platform	Standardized



MODULA

TECHTRIBE INDUSTRIAL AUTOMATION

BASED IN EUROPE

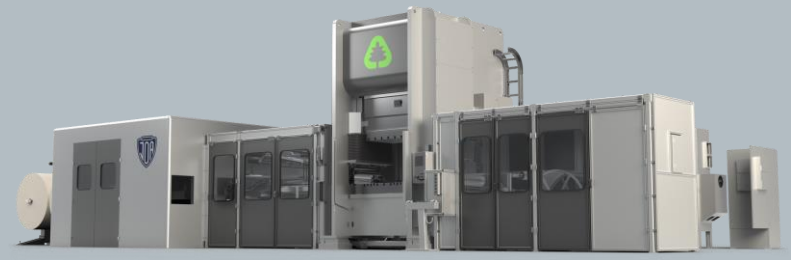
Cycle time	Down to 3,5 s
Press (vertical clamping)	300 tons
Footprint	17.3 x 4 x 5.1 m
Output	185.000.000 pcs/year
Platform	Modular



JOA

BASED IN NORTH AMERICA

Cycle time	Down to 3,5 s
Press (vertical clamping)	300 or 500 tons
Footprint	19 x 7 x 4.6 m
Output	193.000.000 pcs/year
Platform	Modular



3.5 Down to 3.5 seconds in cycle time

Suitable for high volume production

~80% Lower co_2 emissions compared to plastic

Low water use

10x Faster than conventional fiber forming methods

Low energy consumption

99% Material usage via in-line recycling

Flexibility to tailor the design



Sanna Fager | Chief Commercial Officer



DRY MOLDED FIBER

Global IP portfolio

PATENT FAMILIES

55

NATIONAL GRANTS

300+

PAT. PENDING

200+

COUNTRIES

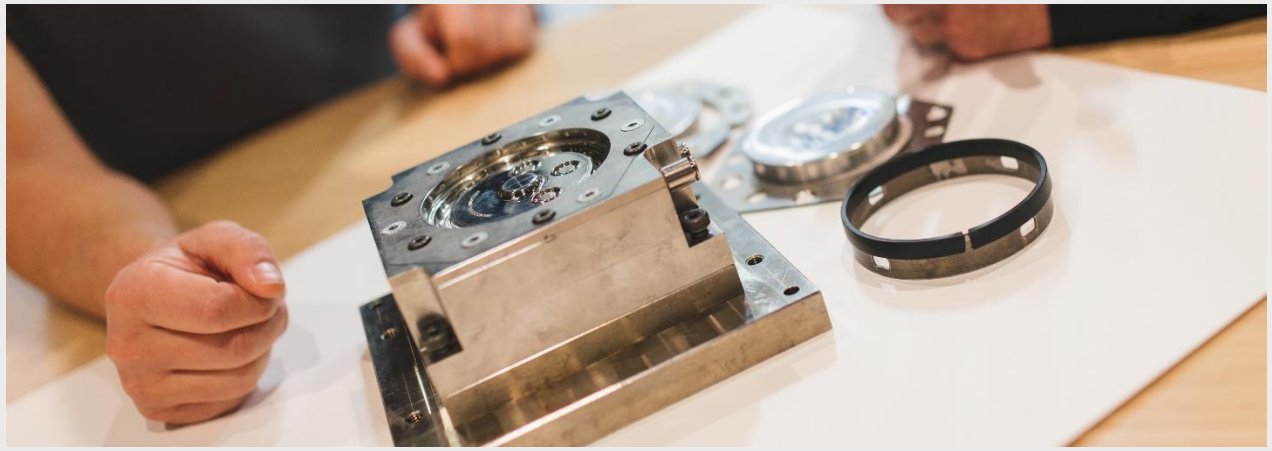
56

A technology meant to be shared.

PulPac acts as the connecting point for brand owners who want to position themselves on the market for sustainable packaging, and need a Dry Molded Fiber licensee that can enable the shift.

A converter with a Dry Molded Fiber license has access to:

- → **The patent portfolio for Dry Molded Fiber**
- → **From product idea to production for the market, PulPac helps end-to-end, during the entire process.**
- → **An ecosystem of global partners in all aspects of the technology**
- → **Updates to the process according to current regulations and trends**







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FREEDOM TO DESIGN THE APPLICATION

Barrier alternatives and solutions depending on product requirements, tailored and free design.



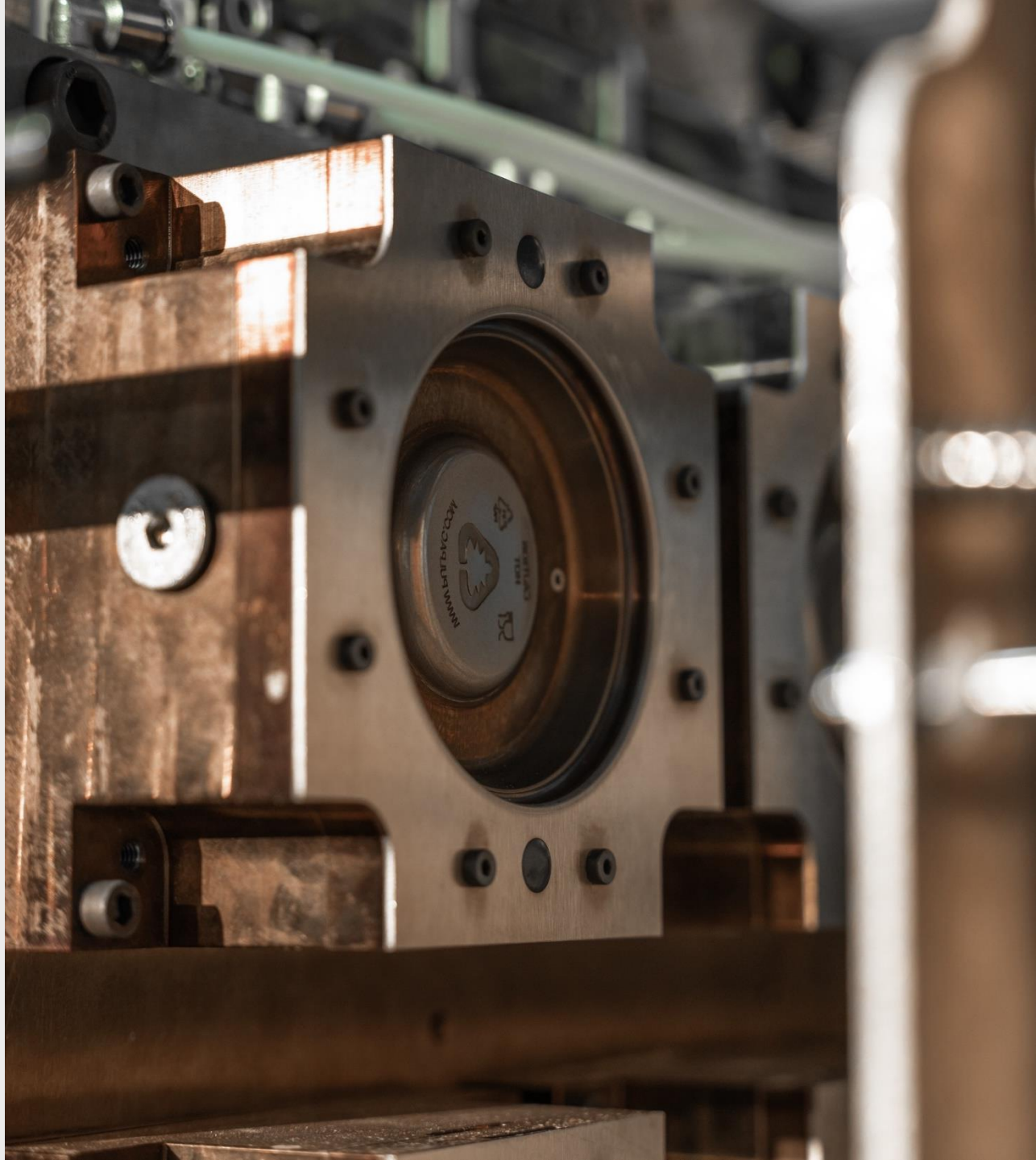





BENEFITS WITH

Application Development

- Get to know the Dry Molded Fiber Technology
- Validate your product with your customers and market
- Perform market tests and market research
- Prepare for Dry Molded Fiber product



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CASE STUDY

PulPac Hot Lid



Specifications

MEASUREMENTS (E.G. DIAMETER)	**Ø 92.8 x 17.9 mm** **Suitable for Ø90mm cups**
WEIGHT	**~5g**
TEMPERATURE (MAX/MIN)	**0 to 85°C**
INTENDED TO BE USED FOR	**Hot beverages e.g. coffee & tea**
QA FOR PRODUCT	**Fitment and leak test on cup** **Product weight and appearance** **Liquid resistance test**

Sustainability

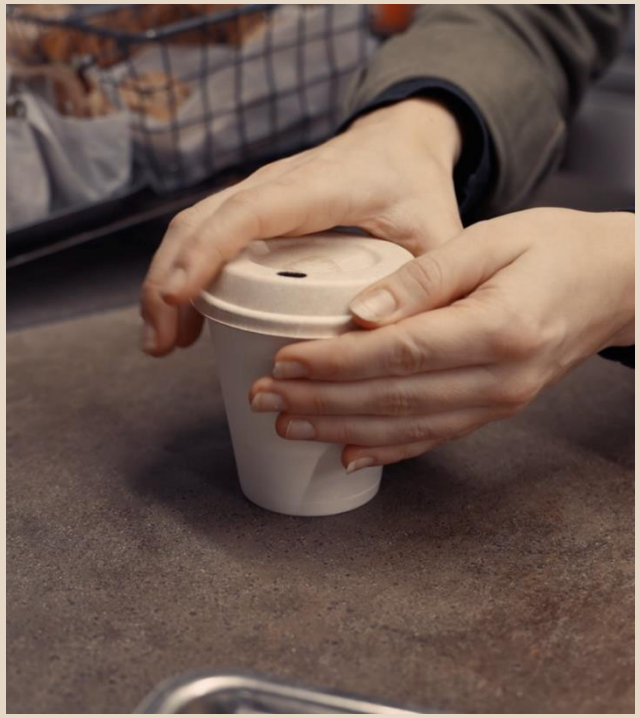
LCA *NUMBERS FROM PRODUCTION IN PULPAC MODULA AT PULPAC SITE*	**3.2 g CO_2eq / product**

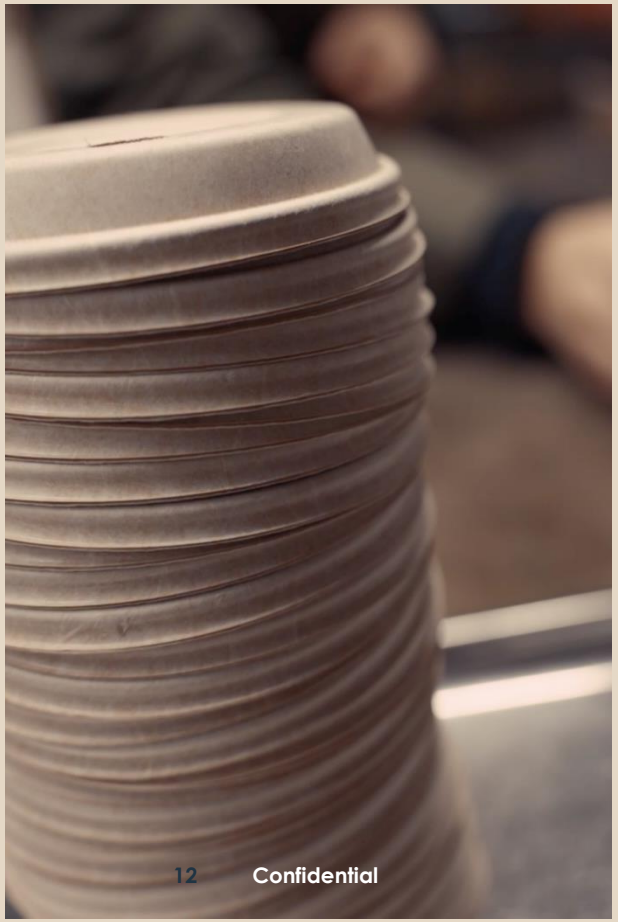
Fully recyclable and industrially compostable

Commercial considerations

PRODUCTION OUTPUT (YEARLY)	**Scala: 64 M lids** **Modula: 185 M lids**
EST. MARKET PRICE	**24 Euro / 1000pcs**









ON THE SHELF

Hot Lid at da Matteo

A local coffee shop-chain in Gothenburg, da Matteo, are offering Dry Molded Fiber coffee lids to their customers

Market survey results*

Lid fit on cup	74 %	Perceived it as “perfect”
Overall usability	74 %	Perceived it as “perfect”
Mouthfeel	68 %	Perceived it as “perfect”
Level of sustainability	88 %	Perceived it as “very sustainable”

*According to on-going market survey

“Lid didn’t get soft which I like”

“I like that they don’t feel like paper lids as they normally give off a nasty sensation”

“I liked that the lid didn’t give the coffee a taste of paper like some paper lids do”

“Fit is a bit fiddley and taste is a bit odd but it’s ok for the cause of the environment!” 😍

PulPac

Sanna Fager | Chief Commercial Officer

COLLABORATING WITH

PA Consulting

The Bottle and the Blister Pack are perfect examples of what's in the near future of Dry Molded Fiber.



HALEON sanofi DIAGEO BAYER

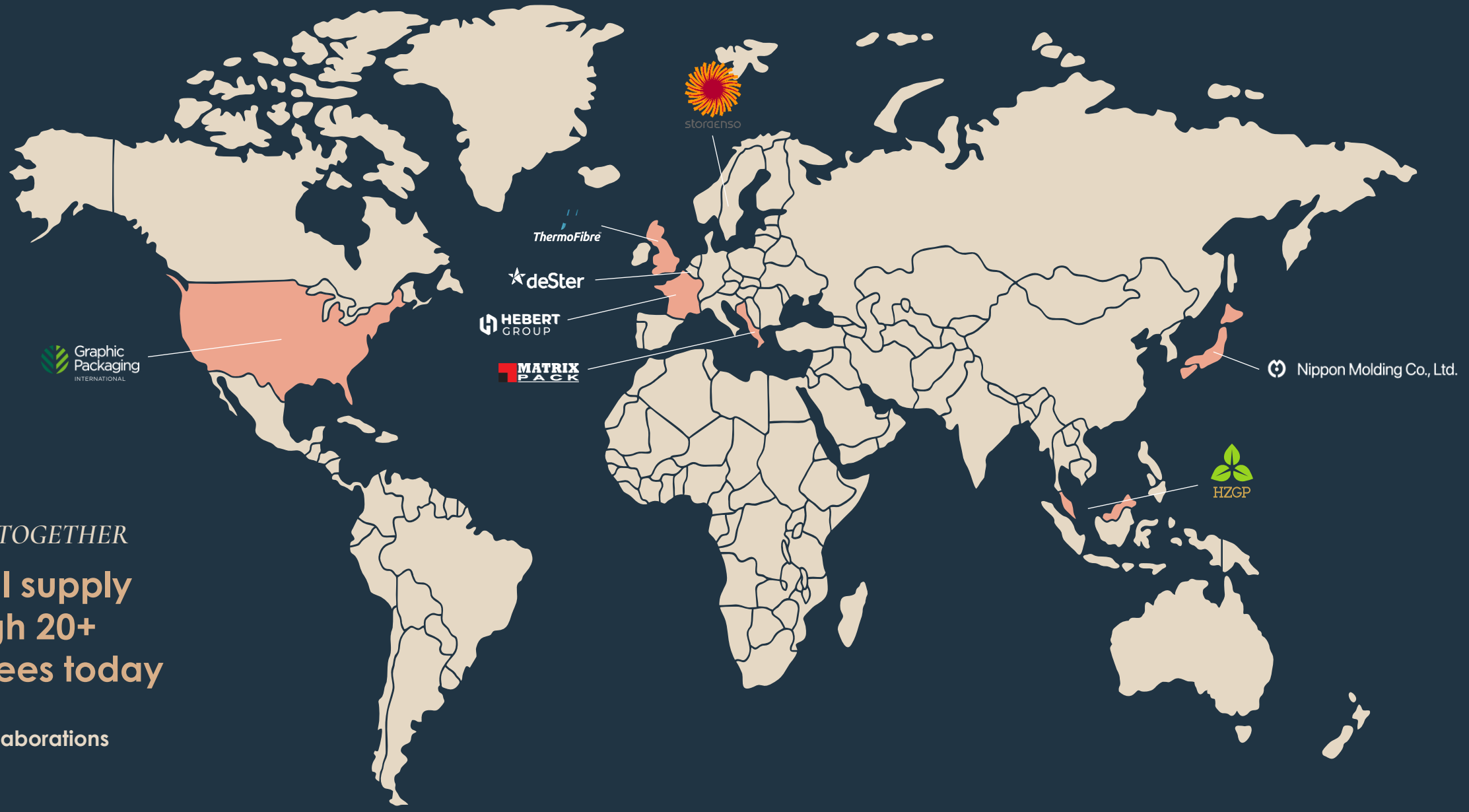


SUSTAINABLE
FOOD
AWARDS

PULPAC & PA GOLD WINNER
SUSTAINABLE PACKAGING

PACKAGING WORLD

How Baileys Paper-Based Bottle is Made >>
Article Packaging World, July 8, 2024



BETTER TOGETHER

Global supply through 20+ licensees today

Public collaborations


IF YOU CAN IMAGINE IT
You are one step closer to making it
Dry Molded Fiber is the future of packaging.
And that future comes with endless possibilities.
PulPac



The cutting edge of Dry Molded Fiber

SANNA FAGER
sanna.fager@pulpac.com

www.pulpac.com