



barriertec
EMBALLAGE PACKAGING

We design GREEN barriers and
we sell the science of repulpable packaging



berepulpable

BARRIERTEC offers you the **IT'S ON** solution, a barrier technology developed by our research center, **Group research i.d.** We can remove polyethylene and all contaminants from fibre-based packaging and make it repulpable and recyclable.

Our technology allows us to recover and reuse the highest percentage of premium paper fibre instead of sending it to landfills. In addition, when the paper is recycled (**REPULPABILITY**), we contribute to the preservation of the environment.

Barriertec is the simplest and greenest solution for the protection of your packaging.



Technology
IT'S ON
THE INVISIBLE
BARRIER THAT
EVERYONE SEES!



A MORE SUSTAINABLE PAPER CUP: IS IT POSSIBLE?

The paper coffee cup looks recyclable, but it is not, because it is coated with polyethylene (a petroleum-based barrier). Every day, millions of coffee cups end up in the landfill under a pile of garbage.

Compostable cups may seem like a greener alternative, but these plant-based plastics are typically produced from monocultures that deplete the soil. Many biopolymers are designed to decompose in the ground. While convenient, they have many drawbacks, including the need for an industrial composter, but most importantly, the total loss of valuable fibre. In addition, this bioplastic liner is not very heat resistant because it was not designed for this use, and therefore it can alter the taste of the coffee.

BARRIERTEC looked at the problem and found a way to be more durable, more competitive and just as effective as polyethylene. Our unique process allows us to apply a very thin layer of coating to achieve a paper to barrier ratio never before seen on the market. Our coatings are not only lighter, but also more environmentally friendly, as they are made with durable plastic-free components. We offer you a repulpable and recyclable coffee cup with renewable fibre!



OUR CHALLENGES

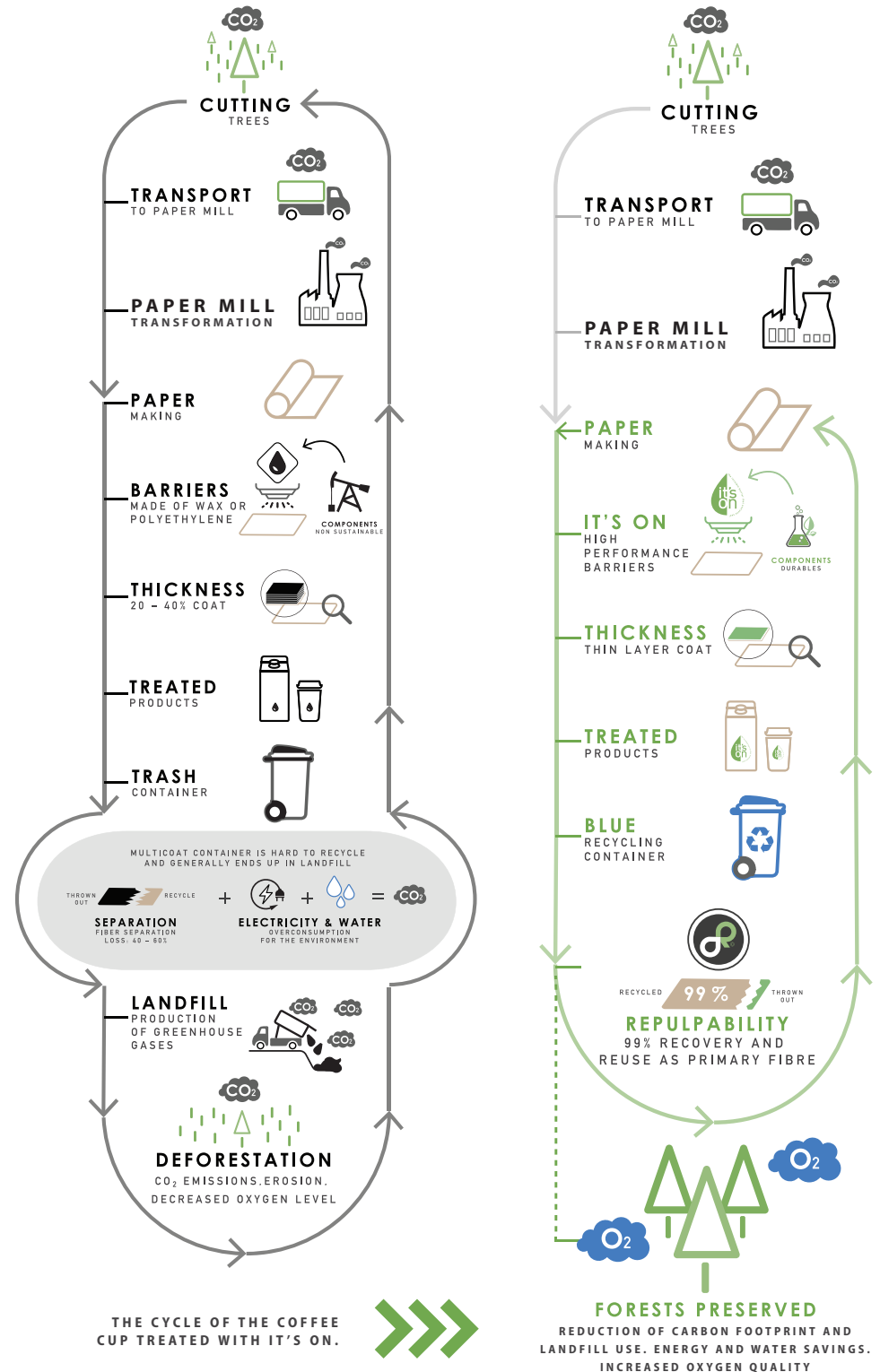
WE HAD ONE GOAL: RECOVER THE FIBRE!

OUR CHALLENGES

1. We want to create a high-performance barrier as strong as polyethylene but designed with sustainable and renewable components.
2. We didn't want any contamination or waste in the fibre recovery.
3. The process had to be simple for the industry, fast and adaptable to existing equipment.
4. And we had to be more competitive with (PE) polyethylene.



The IT'S ON technology is more sustainable, making it possible to remove fibre-based packaging from landfills **NOW!**





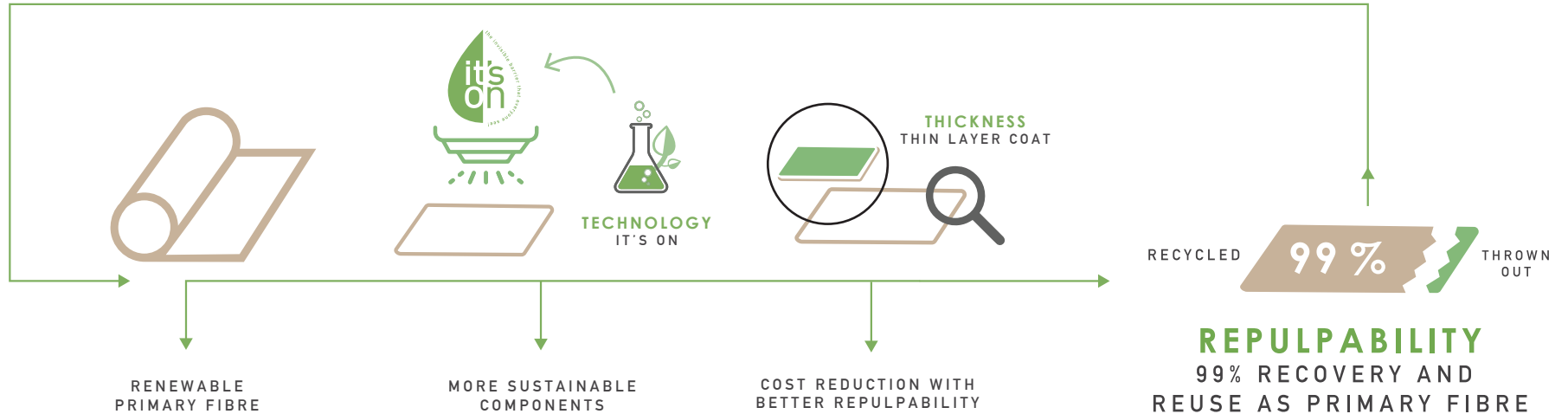
THE COFFEE CUP 100% REPULPABLE & RECYCLABLE

- NO WAX OR PLASTIC (PE) COATING
- WATER, OIL AND GREASE RESISTANT
- FOR HOT OR COLD DRINKS

We are proud to announce the arrival of a repulpable and recyclable coffee cup. With the Barriertec unique technology and process, we can meet the needs of the world's major fast-food chains and manufacturers. The IT'S ON technology we have developed is as effective as PE (polyethylene) coatings, but unlike PE coatings, it does not affect the recycling chain, there is no waste, and the paper fibre is fully recoverable... the fibre is repulpable and renewable!

Together, we can take coffee cups and all fibre-based packaging out of the landfill now! The largest chains are invited to take action.

TAKE THE GREEN STEP...
be the change



Our water-based IT'S ON technology is designed with sustainable components that are also FDA approved, which is perfect for the food industry. Once recycled, this coffee cup or other processed packaging is reused as primary fibre in pulp and paper production. These multiple applications represent a great source of supply for the paper industry. We achieve a 99.3% recovery rate, the highest we have seen in our experience. Recyclability is key to reducing our carbon footprint; we need to prioritize the fibre; it needs to be recovered, not just thrown away.

»»» The term "repulpable" was probably first defined by François Dandenault, CEO and founder of Barriertec, 20 years ago. Repulpability means the packaging is used directly after shredding as a raw material in manufacturing paper. There is no need to sort the packaging, and it does not generate additional waste compared to polyethylene-coated packaging. We made renewable fibres!


 REUSE
 REDUCE
 RECYCLE
 REPULPABLE



OUR SOLUTION HIGHT PERFORMANCE

OUR EXPERTISE

IT'S ON technology is flexible and adaptable to existing installations; you can apply it to any system before or after printing.

The most significant impact is in our process, technology and the thin layer we apply to the paper. A unique approach allows for rapid pre-commercialization while being competitive for the manufacturer and large consumers. We are the only company in the world that can produce a repulpable and recyclable technology available quickly and right now.

We have unique knowledge from over 35 years of worldwide experience in the pulp and paper industry. Our dedicated repulpability research center allows us to assess the barrier needs of commercial packaging that we need to replace with repulpable technology.



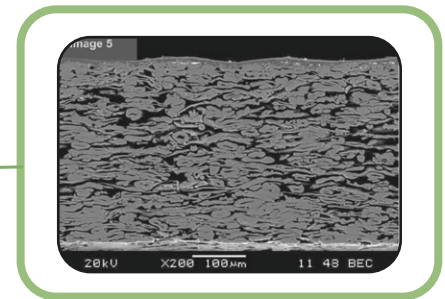
NO IMPACT ON
THE SUPPLY CHAIN



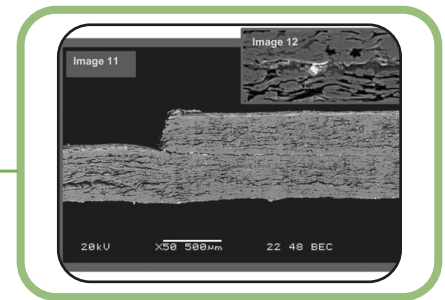
SUSTAINABLE SOLUTIONS
FOR PACKAGING NEEDS



ENVIRONMENTAL
FRIENDLINESS



SEM ANALYSIS
Interior surface topcoat and primer



SEM ANALYSIS
Joint between the bottom cup

You are invited to take the green step...**BE THE CHANGE.**
Together we can take the coffee cups out of the landfill,
RIGHT NOW!



**THE ONLY
THING YOU
HAVE TO DO
IS ADD YOUR
LOGO HERE**





barriertec

EMBALLAGE PACKAGING



GROUP RESEARCH I.D.
barriertec



REUSE
REDUCE
RECYCLE
REPULPABLE

www.barriertecpackaging.com