



Sustainable travel kit shows the value of collaboration

Trific is a 48-hour travel kit made from renewable wood-based raw materials. It has been developed through collaboration across the packaging value chain and invites brands to co-create sustainable packaging solutions.

In a circular economy, it is our shared obligation to eliminate packaging waste through design, giving consumers more sustainable options to choose from. The Trific project is a collaboration between four companies: Holmen Iggesund, Yangji®, Optima Packaging Group and FutureLab & Partners. The project aims to speed up the introduction of new sustainable premium packaging solutions for the health, body and beauty industry. Its approach shows how companies and brands can explore solutions together to quickly deliver alternatives to their existing rigid plastic packaging.

By developing a bio-based concept, the collaboration has explored circular design, materials, dry forming technology and end-of-line barrier solutions. The end result is a circular packaging solution, where nothing is wasted, which embodies three elements of modern travel packaging: renewable materials, low-energy manufacturing and user experience.

The prototype, which was developed within six months, is a unique 48-hour travel kit for people who travel responsibly and well. It contains three dry products: hand soap, body soap and

toothpaste, that simply dissolve after use. The package itself and the sleeve are made from 100% biodegradable and renewable solutions.

“It all sounds so simple, but providing dry cosmetics in a travel kit made from renewable materials has never been done before,” says Hein van den Reek, Director Future Packaging, Holmen Iggesund. “And it has only been achieved now through collaboration. There’s a real sense of urgency to making packaging ever more sustainable and purposeful, and at Holmen Iggesund we see the benefits of working with others to solve challenges faster.”

Holmen Iggesund provided the renewable wood-based raw materials that the Trific concept is made from. As part of the forest industry group Holmen, Holmen Iggesund has access to over 1.3 million hectares of forest in Sweden.

“We use residues from the wood grown in forests to make climate-smart pulp and paperboard, the basis for the Trific packaging,” says van den Reek. “By combining the right material with purposeful collaborations with our partners, we want to showcase how a real difference can be made in the near future.”

The next stage in developing Trific was undertaken by Yangi®, another Swedish based company. They transformed Holmen Iggesund's natural wood fibres into formable packaging with their revolutionary dry forming manufacturing technology. The process turns paper pulp into ready-made packaging in one machine line, using no process water and minimal energy.

“With our ground-breaking dry forming technology, we are pioneering the next generation of fibre-based solutions and reshaping the world of packaging,” says Anna Altner, Founder of Yangi®. “The Trific concept is a perfect example of what can be achieved when partners across the entire packaging value chain share a common vision and work together to build more sustainable packaging solutions that fit into existing recycling systems.”

Once the Trific package was formed, it was passed on to the German Optima Packaging Group, a world-leading company in dosing, filling and packaging technology which is evaluating different barrier options to fulfil different requirements.

“Our materials and production technologies for forming, barrier solutions, filling and handling deliver a valuable contribution to better health, greater safety and a higher quality of life,” says Stefan König, CEO of Optima Packaging Group.

FutureLab & Partners, the fourth company in the Trific collaboration, are accelerators of new technologies and circular systems. They have a business model based on close collaboration with partners in the materials, products and packaging value chain. FutureLab & Partners were the orchestrators and the concept and system design partners in the Trific collaboration.

“The ability through design to synthesise the essence of what technology can offer and what the user needs are, is embodied in the ability to visualise and prototype,” says Liselotte Tingvall, CEO FutureLab & Partners.



Join us and learn more about the partners and the project. Visit www.iggesund.com/trific/

HOLMEN IGGESUND

Holmen Iggesund is the premium paperboard company for purposeful solutions. We invite our customers and partners to be part of creating the next generation of sustainable packaging solutions and graphical applications together with us.

We are part of the Holmen Group, relying on our own sustainably managed forests to ensure a renewable material for centuries to come.

<https://www.iggesund.com/>

OPTIMA

Founded in 1922 in Schwäbisch Hall, Germany, the Optima Group is today considered one of the world's leading companies in dosing, filling and packaging technology for high-quality and challenging products - from liquid to solid.

Around 3,000 employees develop, manufacture and supply pioneering solutions, systems, technologies and services for the pharmaceutical and biotech industries, for hygiene products and consumer goods, as well as for other demanding sectors and applications. The targeted and above all beneficial use of technologies gives our customers tangible competitive advantages.

<https://www.optima-packaging.com>

YANGI

RENEWABLE PACKAGING TECHNOLOGIES

Yangi® is reshaping the world of packaging through its revolutionary dry forming manufacturing technology and next-generation fibre-based solutions. Emerging from 10 years of R&D within its sister company, The Loop Factory, they offer an open-source turn-key machine platform and customised packages of value-added services such as material on subscription and ready-made design concepts, meeting the needs of manufacturers and brands for more sustainable packaging alternatives. Yangi® is your pioneering and innovative partner in dry forming technology and an established partner within the dry formed fibre industry. To learn more, visit www.yangi.se

FutureLab & Partners

Future Lab & Partners

Accelerating new sustainable and circular technologies from the lab to the market in close collaboration with partners in the value chain of materials, products and packaging.

<https://www.futurelabandpartners.com/>