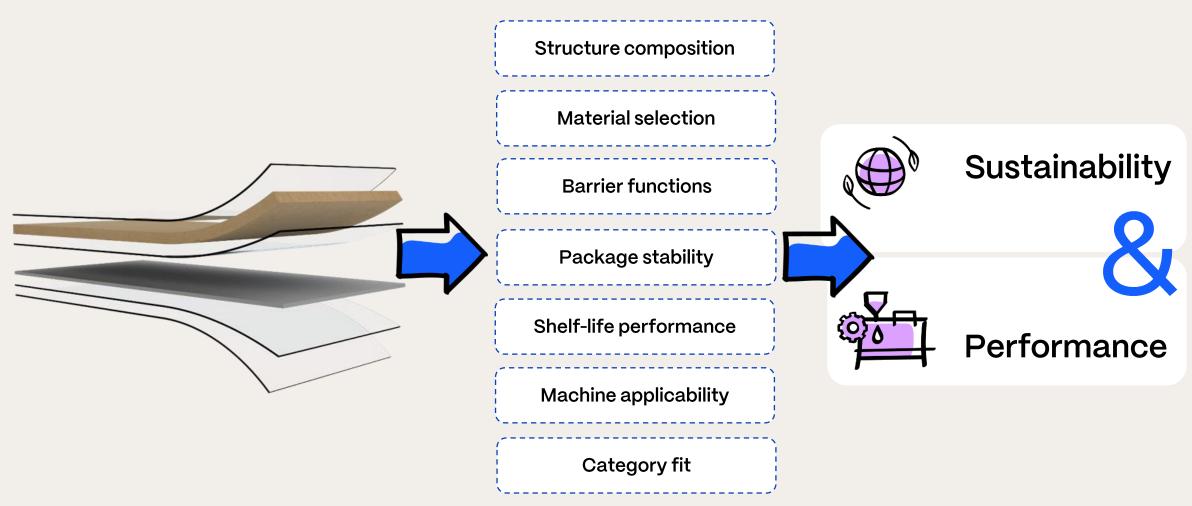
SIG pioneering sustainable packaging

Gavin Steiner - Chief Technology Officer Karina Boers - Head of Circularity





SIG's deep knowledge of material science is pushing the boundaries for new packaging development





Future-proof solutions - already today

SIG packs offer the most sustainable packaging solutions in each relevant market segment

Aseptic cartons



28–70% lower carbon footprint than plastic and glass bottles, and aluminum cans¹

- Made with 75% (on average) forest-based renewable paperboard
- 100% FSC™-certified paperboard and 100% ASI-certified aluminum foil
- Fully recyclable by design
- Up to 63%² further reduction in carbon footprint with SIG Terra Aluminum-free³ and Forest-based polymers⁴

Bag-in-box and spouted pouches

80% lower carbon footprint than glass bottles⁵



11–59% lower carbon footprint than plastic tubs and glass jars⁷



- Optimized product-to-package ratio to pack more product with less material
- Lightweight without compromising barrier functions or durability
- High evacuation rate to cut food waste
- Growing portfolio of recycle-ready solutions, including first APR recognized recycle-ready bag-in-box⁶



- 100% renewable electricity for production
- All non-renewable energy for production compensated through Gold Standard CO₂ offsets



 Highly efficient filling technology with low waste rates





¹ Based on independent ISO-compliant life-cycle assessments.

² Based on independent ISO-compliant life-cycle assessment CB-100734 for Europe.

³ No aluminum foil barrier layer.

⁴ Linked to renewable forest-based materials via an independently certified mass balance system.

⁵ Based on preliminary results of our life-cycle analysis (an independent, critically reviewed life-cycle assessment is in progress).

⁶ Association of Plastic Recyclers (APR).

⁷ Based on preliminary results of our life-cycle analysis (an independent, critically reviewed life-cycle assessment is in progress).

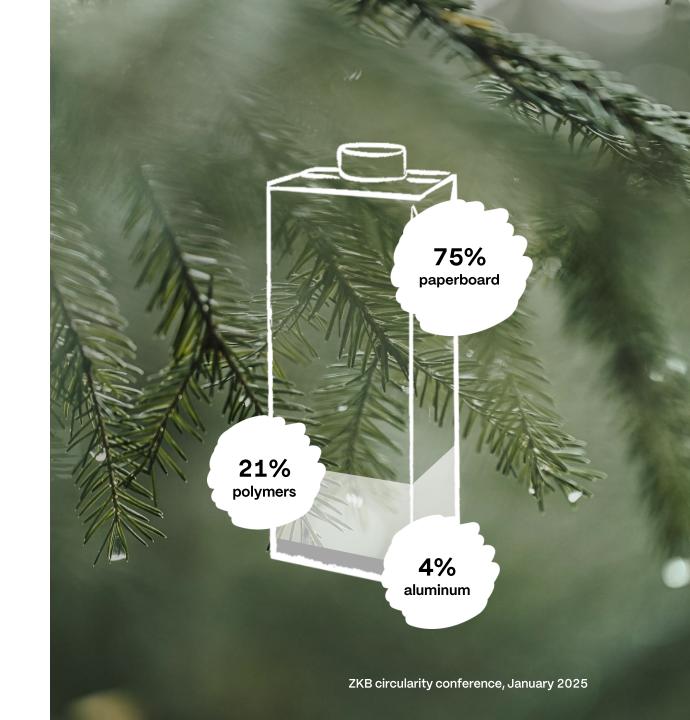
High share of renewable materials

On average, our aseptic beverage cartons are made up of

75-80%

renewable paperboard

Well-managed trees can grow quickly and be regenerated at a sustainable rate, absorbing carbon dioxide as they grow and contributing to a lower carbon footprint packaging.





Pioneering sustainable packaging design for better – our industry firsts in aseptic carton



2010

SIG Terra Alu-free

The world's first with no aluminum layer



2018

SIG Terra Forest-based polymers

The world's first with

All three main raw materials from certified sources



2022

SIG Terra Alu-free Full barrier

The world's first with no aluminum layer and a full barrier



2017

SIG Terra Alu-free Forest-based polymers

The world's first linked to

100% renewable materials



2020

SIG Terra Circular polymers

The world's first linked to recycled polymers



Packaging for better!

Our goals



2025 85%+ paper

85%+ paper content with full barrier (excl. closure)



2030

90%+ paper content with full barrier (incl. closure)





Rethink what you know about real impact in aseptic carton



We believe in:

Increasing the share of paper in our packs to at least 85% (excl. closure) by 2025 and 90% (incl. closure) by 2030.



We believe in:

Taking up to 25% $\mathrm{CO_2}^*$ out of the equation and offering all our flagship formats with no aluminum layer by 2030.



We believe in:

Simplifying our packaging design by reducing the number of materials that go into our packs from 3 to 2.



We believe in:

Replacing virgin fossil-based polymers with renewable or recycled alternatives.

Upholding the full protective properties and nutritional content without compromise!



Rethink what you know about real impact in bag-in-box



We believe in: Simplifying the materials used in our packaging applying cuttingedge material science.

We believe in:

Our 100% recycle-ready commitment: By 2025, we aim to offer 100% recycle-ready bag-in-box packaging solutions for the retail and foodservice channels.



We believe in:

Optimizing the polymer usage in our packaging as much as possible without losing functional properties, offering lightest alternatives vs. competing substrates.



Upholding the full protective properties and nutritional content without compromise!

Rethink what you know about real impact in spouted pouches

We believe in:

Striving for simple material compositions by applying cutting-edge material science.

We believe in:

Our 100% recycle-ready commitment. By 2025, we aim to offer 100% recycle-ready products in our spouted pouch portfolio.

We believe in:

Further optimizing the product weight of our fitments by up to 60% vs. standard SIG materials.







We believe in: Linking the cap to the pouch striving for zero waste.

Upholding the full protective properties and nutritional content without compromise!

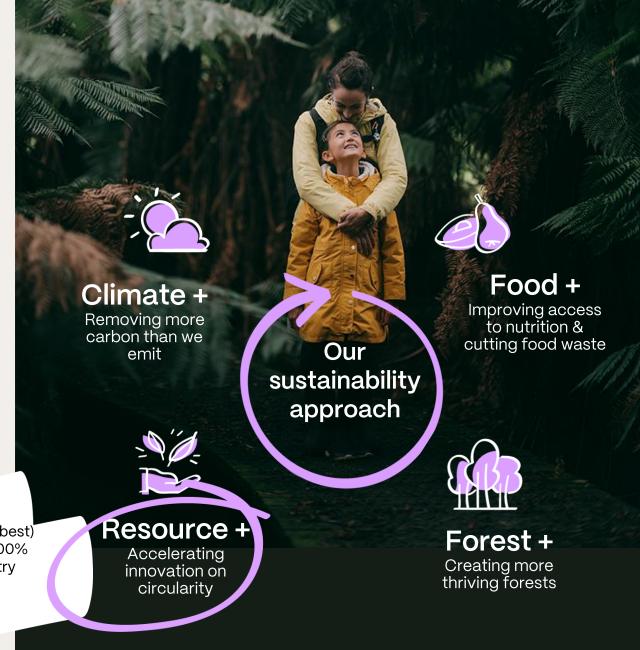
The sustainability journey

To create packaging for better

At SIG, we are on a journey to create a net-positive impact on people and planet. We are leading the way towards a fully regenerative packaging system.

Our strategic focus on sustainability is driving progress towards net positive packaging that gives more to people and the planet than it takes.

We are proudly certified with Platinum EcoVadis (1% of the best) and have achieved levels of 100% FSC™ and 100% ASI as industry first and produce cartons with 100% renewable energy – as industry first as well.





Our key milestones

Through our Resource+ commitments, we advance circularity of our packaging worldwide



Design for recycling

Designed for **recycling**.

Simplified structure: **no alu-layer** and **full barrier**.



Recycle-ready for all segments by 2025.

Recycling at scale



Recycled at scale for cartons in Europe.

Target: 70% recycling rate for cartons by 2030 in Europe.

Country-specific roadmaps to **drive recycling** covering more than 90% of SIG's markets.

Lead in renewability

Linked to 100% renewable material.

2025: **85% paper** content in sleeves.

2030: **90% paper** content.

75%

Beverage carton collection and recycling systems







