Design for sustainability

Tetra Pak®
PROTECTS WHAT'S GOOD

Driving sustainability transformation by decarbonising the value chain.

Collection and Recycling

Customer Operations

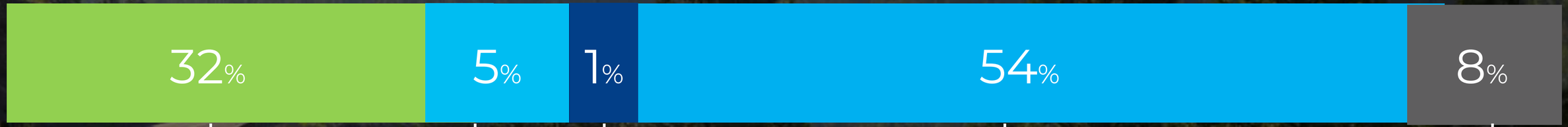
Equipment environmental performance

Tetra Pak Operations

Responsible sourcing
Renewable and certified materials

2030 target: decarbonise our full value chain by 46%.

Reaching total -19% by 2023 Vs. 2019 baseline



Base Materials
2030 target: -50%
2023 result: -23%

Transportation
2030 target: -30%
2023 result: -9%

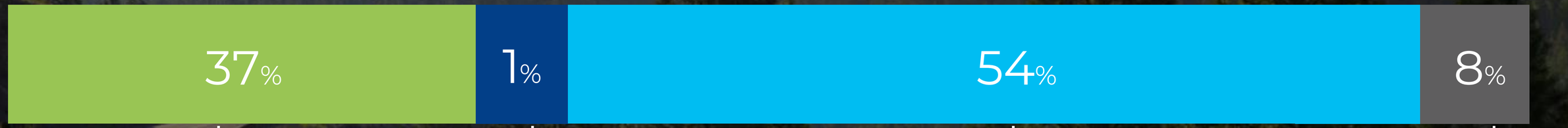
Tetra Pak Operations
2030 target: -72%
2023 result: -47%

Customer Operations
Impact of sold equipment
2030 target: -50%
2023 result: -19%

Waste
2030 target: company collection and recycling strategy
2023 result: -5%

Accounting based on GHG Protocol standards and guidelines for corporate and value chain climate accounting

Decarbonising Upstream value chain & own operations.



Raw materials and transportation

Tetra Pak Operations

Customer Operations
Impact of Tetra Pak sold equipment

Waste

Accounting based on GHG Protocol standards and guidelines for corporate and value chain climate accounting

Decarbonising through responsibly sourced materials.

Collaboration with our supply chain counterparts to increase the traceability & transparency of our sourcing.

FSC FORESTS FOR ALL FOREVER™

Paperboard

Paperboard from responsibly managed forests.

Plant-based plastics

BON SUCRO
The global sugarcane platform

Plant-based renewable plastics from sugarcane, supporting sugarcane sustainable production.

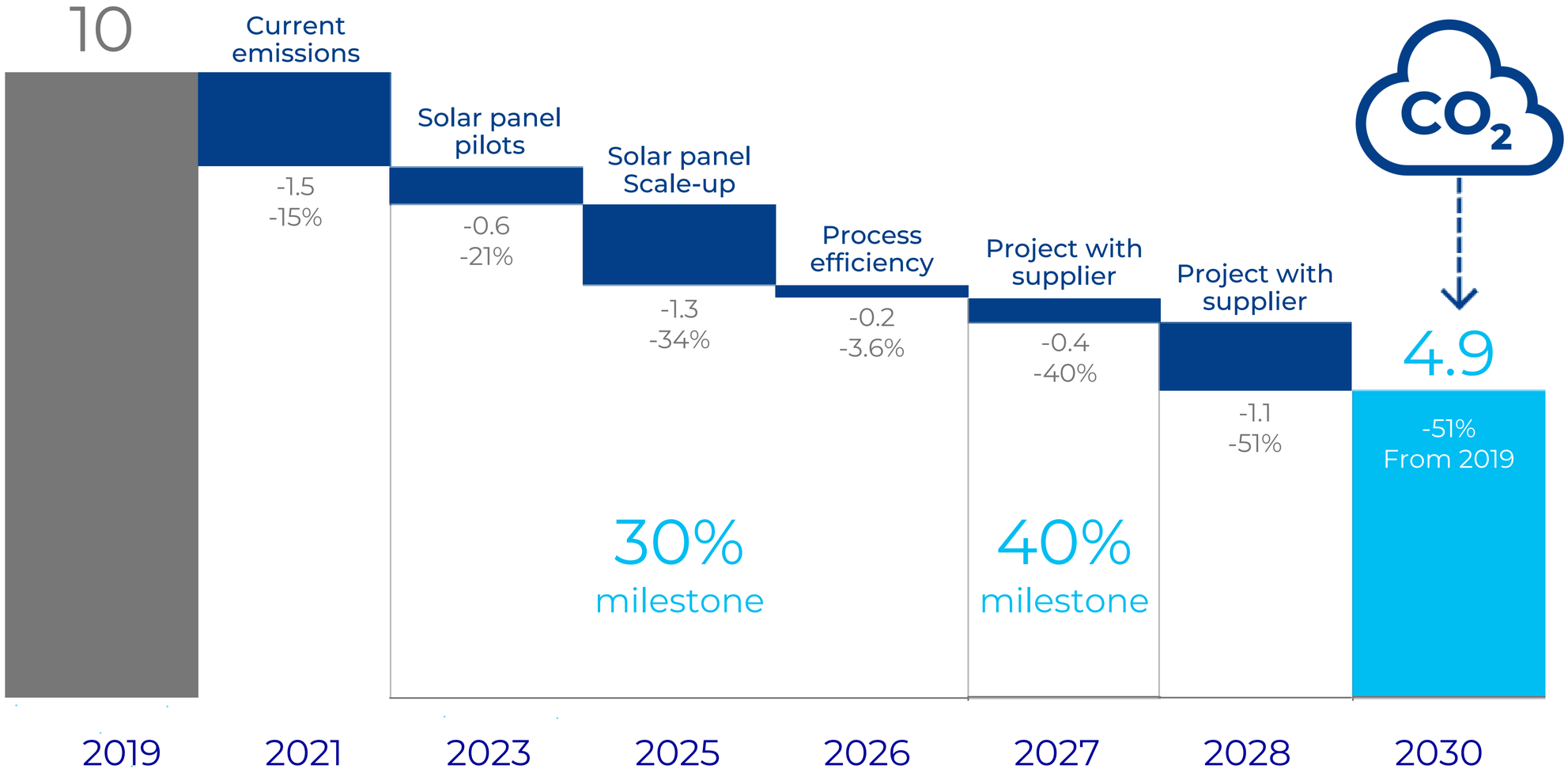
asi Aluminium Stewardship Initiative

Aluminium

Aluminium chain committed to sustainable best practices.

Reducing suppliers' emissions by 50% by 2030.

"Climate action plans" from each supplier.



Units in million tonnes CO_2 Equivalent

Innovation starts here.

Decarbonising Tetra Pak operations.

Focused initiatives at Tetra Pak India to achieve 2030 targets.

Renewable Energy

Decarbonise energy through renewables

- ✓ Solar power capacity of 3MW
- ✓ Biggest Solar plant setup within Tetra Pak Global

Emission Management

Reducing volatile organic chemicals

- ✓ VOC separator machine
- ✓ 98.95% Reduction in exhaust

Water Conservation

Zero-water discharge site

- ✓ 100 % ETP/STP treated water used for garden
- ✓ 1.5 Litre/min water saving through auto faucets
- ✓ Rain-Water harvesting system

Innovation starts here.

Tetra Pak portfolio strategic objectives towards sustainability.

Secure solutions to address regulations & climate change

Secure “circularity” in portfolio

Our ambition to deliver the world's most sustainable food package, made solely of responsibly sourced renewable or recycled materials, fully recyclable and carbon-neutral.

Innovation starts here.

Decarbonising Packaging Solutions.

Anti littering solution for caps

Tethered caps

Globally, 6 Billion Tethered caps sold to more than 170 customers in 2023

Increasing renewable content of closure

Plant based caps

33% less CO2 for Closure.
Compared to HeliCap™ 23 (fossil based)

Increasing renewable content of package

Alternative barrier

Alu foil replaced by a paper-based barrier
90% renewable content
78% paper content
33% CO2 reduction

Innovation starts here.

Shaping the future packaging with recycled material linked to used beverage cartons (UBCs).

Market launch of Lactalis Puleva Milk range in Spain market that uses ISCC certified recycled polymers.

1ST

Beverage carton in the global Industry with certified recycled polymers derived from UBCs to contribute to material circularity by reducing reliance on fossil-based material.

Innovation starts here.

Recycled plastic content mandates from April 2025 in India.

Upcoming regulations & Tetra Pak deployment readiness.

Regulation

Indian Government mandates to have recycled plastic content for Category 3

- 5% by Apr’25
- 10% by Apr’28

We are ready!

Tetra Pak Chakan plant can provide packages with 5% recycled content

SCSglobal SERVICES

ISCC CERTIFIED PLUS

ISCC PLUS Certificate

Certificate Number: ISCC-PLUS-Cert-US201-191732024

SCS Global Services
2000 Powell Street, Emeryville, CA 94608, USA
certifies that
Tetra Pak India Pvt. Ltd.
Plot B-53, MIDC Chakan - Phase 2, Village Vasuli,Taluka Khed
Pune, Maharashtra 410501
India
complies with the requirements of the certification system
ISCC PLUS
(International Sustainability and Carbon Certification)

This certificate is valid from 25.03.2024 to 24.03.2025.

The site of the system user is certified as:
Processing Unit – Converter

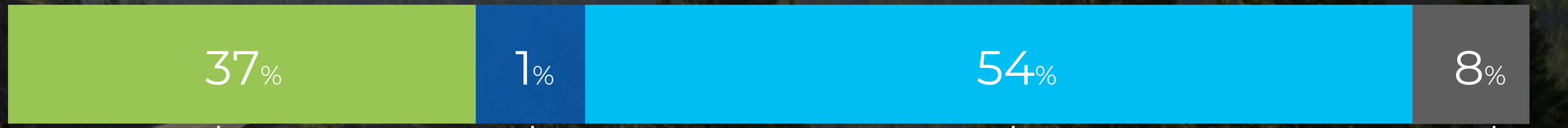
The scope of the certificate includes the following chain of custody options:
(not applicable for paper traders)
Mass balance

Emeryville, CA 25.03.2024
Place and date of issue

Stamp, Signature of issuing party

The issuing Certification Body is responsible for the accuracy of this document.
Version / Date: 1 (no adjustments) / 25.03.2024

Decarbonising Customer Operations.



Raw materials and transportation

Tetra Pak Operations

Customer Operations
Impact of Tetra Pak sold equipment

Waste

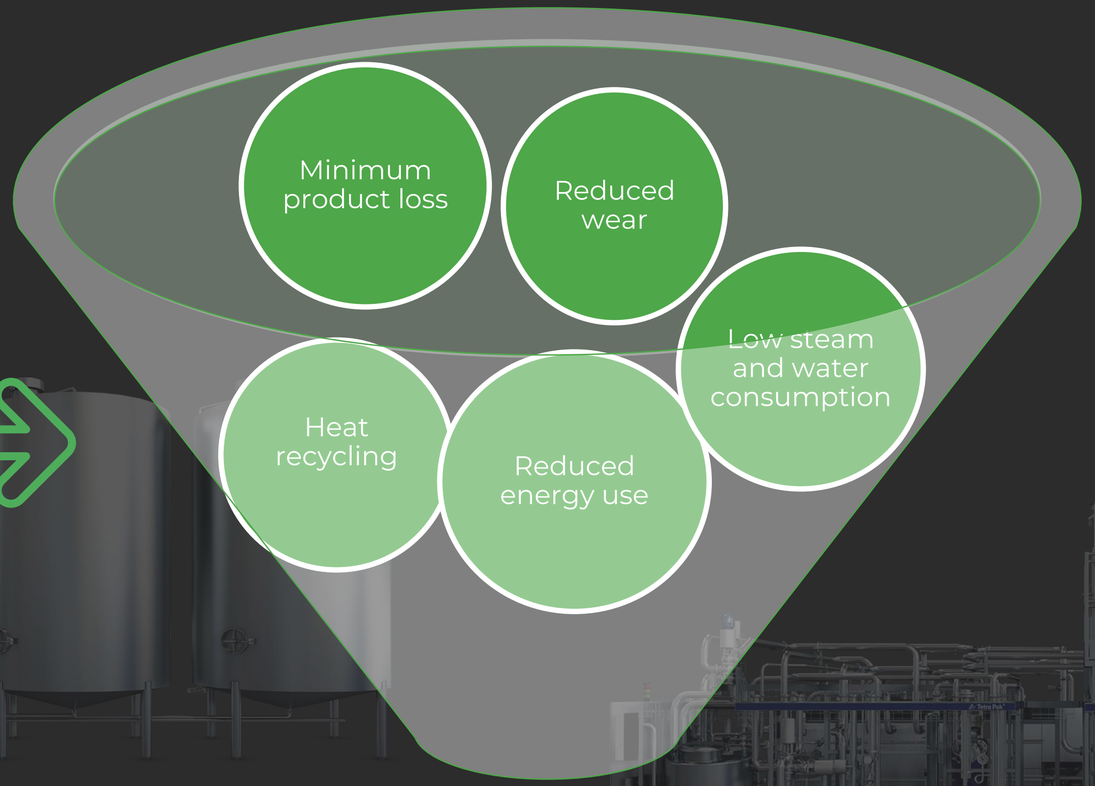
Accounting based on GHG Protocol standards and guidelines for corporate and value chain climate accounting

Sustainable Processing Equipment, Lines and Solutions.

Innovations

Energy Efficiency

Food Safety



Plant solutions

Batch → Continuous

OneStep technology for UHT milk production

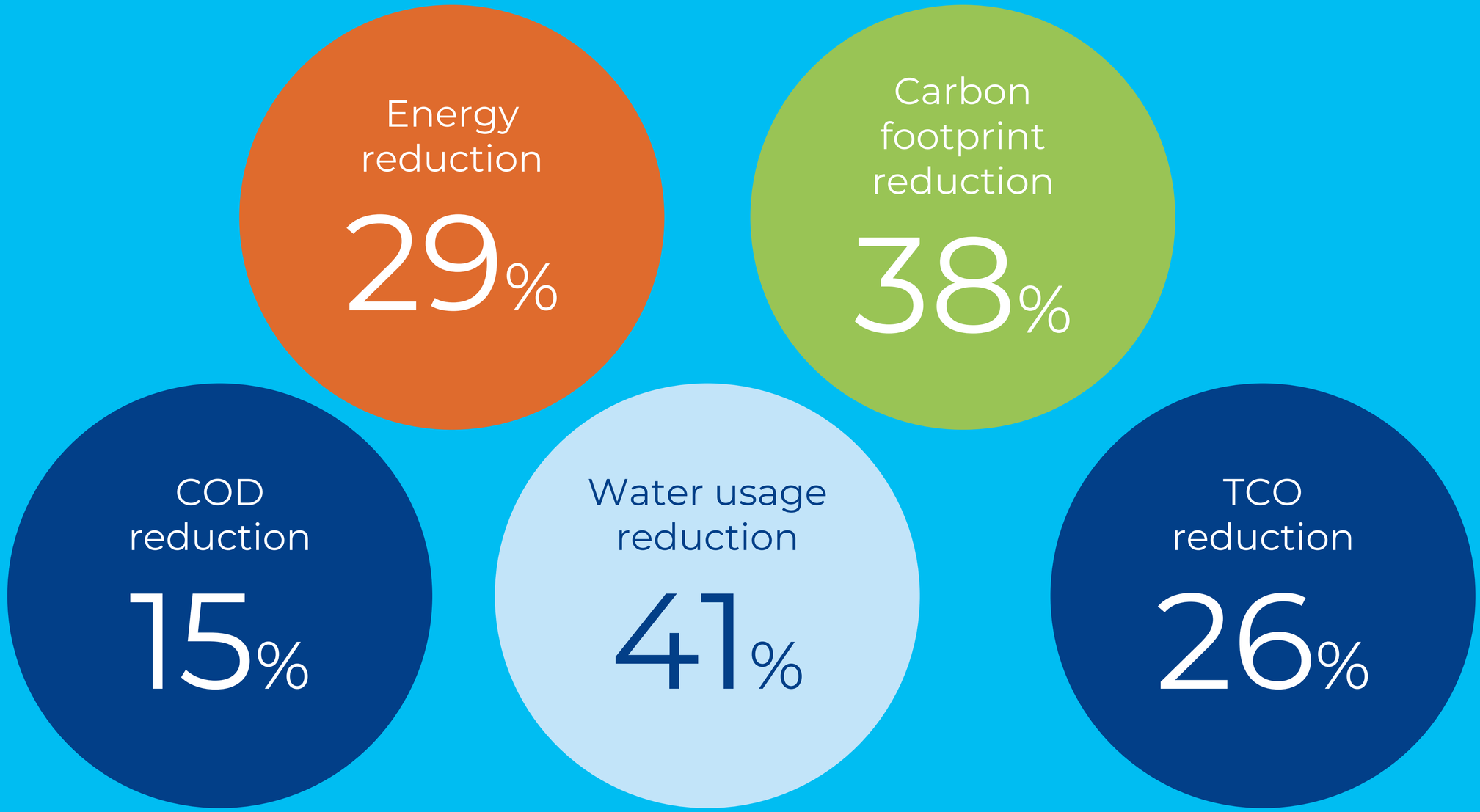
In-Line blending Line for Juice & Carbonated beverages

Continuous ghee line

Operational cost reduction & sustainable performance

OneStep technology

One Step Technology
Energy saving and carbon, water footprint reduction



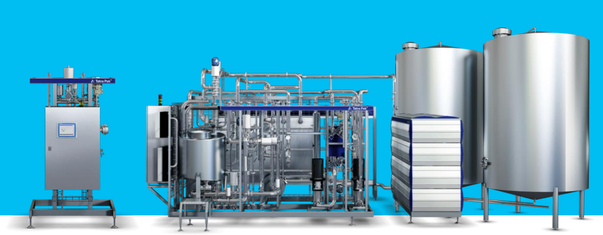
Source : Average Estimate basis line capacity of 15,000Ltr per hr

Savings due to operational cost reduction by 26%.

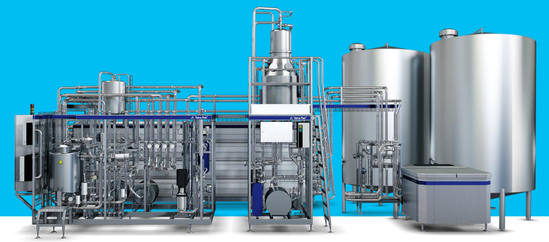
Traditional UHT milk line with pasteurizer

€ 6.03 per 1,000 litres

Pasteurizer with Separator, standardization unit and intermediate storage tanks



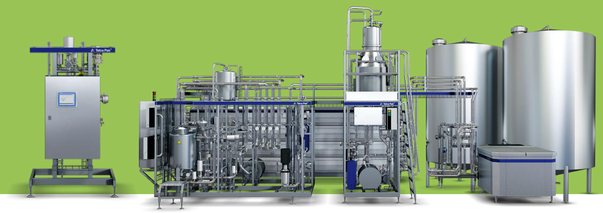
UHT + Aseptic tank



Line with OneStep technology

€ 4.46 per 1,000 litres

Separator, standardization unit and UHT + aseptic tank



▼ 26% COST REDUCTION

€148,450 yearly savings

Source : Average Estimate basis line capacity of 15,000Ltr per hr

Innovation starts here.

Ultra-versatile continuous beverage blending solution to drive sustainable growth.

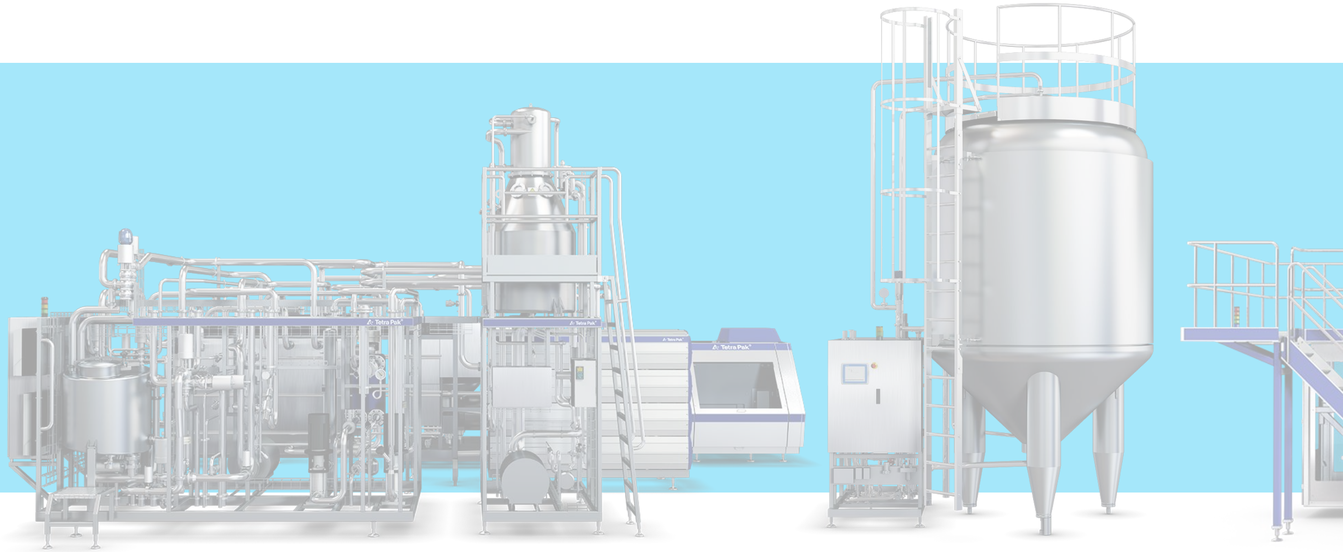
Tetra Pak® In-line Blender B

Transform your productivity.

Add a continuous blender to your carbonated and juice lines.

Continuous blender – your efficiency gamechanger!

Raise productivity throughout your production	Free up space in your plant	Produce more reliably with advance automation



Innovation starts here.

Lowers operational cost, sustainably!

Tetra Pak® In-Line Blender B (Final Syrup)

Final Blender & Carbonator

Flavour / Colour DN8, 271kg/h

Flavour / Colour DN8, 244kg/h

Liquid sugar DN50, 16’345kg/h

Water DN40, 8’340kg/h

To filler

Save 84 k EUR / year

Ground space – save up to **51%**

Electricity – save up to **76%**

Product losses – save up to **61%**

Sustainable continuous ghee manufacturing.

Tetra Pak®
PROTECTS WHAT'S GOOD

Stepping up from traditional to a novel sustainable way of Ghee manufacturing.

Traditional Ghee making in batch

Cooked flavour & granulation

- Energy efficiency
- Product losses
- High footprint
- Plant hygiene

Continuous ghee line

Cooked flavour & granulation

- Energy efficiency
- Product losses
- Low footprint
- Plant hygiene
- Quality at par with batch

Continuous AMF making

Cooked flavour & granulation

- Energy efficiency
- Product losses
- Low footprint
- Plant hygiene

AMF: Anhydrous milk fat

Value saving with continuous Ghee manufacturing.

Energy reduction up to 30%

Savings in Eur 750k

Product losses (vis a vis batch) 60% lesser

For 80 TPD Ghee line; 4 TPH savings wrt to batch process 300 days of operation.

Sustainable Equipment, Lines & Solutions for your manufacturing needs.

One-step Technology in UHT Milk

26%
Operational cost reduction

Continuous Inline Blending for beverages

61%
Reduction in product losses

Continuous ghee manufacturing

3x
Throughput

At par quality with traditional processes

Innovation starts here.

Decarbonising customer operations via processing solutions.

Our ”50/50/50” ambition 2030.

Water

50%
reduction vs. 2019

Waste

50%
reduction vs. 2019

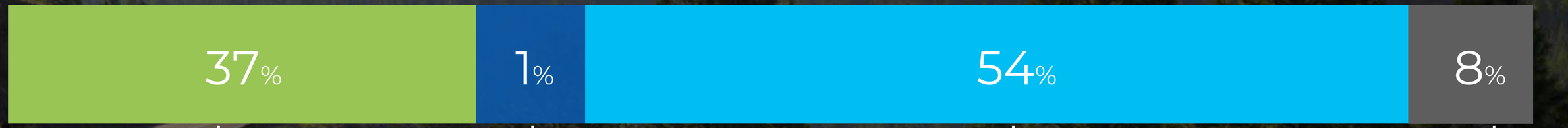
Carbon dioxide

50%
reduction vs. 2019

With our best practice line solutions

To support our customer sustainability ambitions
& fulfill our public environmental commitments.

Decarbonising Recycling Operations.



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Used carton recycling ecosystem.

More than 2 decades of journey in EPR to build collection and recycling infrastructure.

- 5 Aggregators
- 30+ collection Partners
- 15 Army Collection centers

- 4 full carton centers
- 8 paper recyclers
- 1 PolyAl recycler

- UBC valued by recyclers
- Backrest, secondary pkg, benches
- Bio-toilets, roofing sheets

45%*

Carton
Recycling Rate

*As per TERI report 2022

Innovation
starts here.

UBC Recycling Ecosystem development in India.

A holistic perspective with interventions at all levels to increase UBC recycling.

Policy advocacy and Research

Consumers (waste generators)	Waste Pickers NGOs Scrap Dealers	Collection Centers, Startups, Waste Aggregators	Recyclers

Source segregation

Go Green with Tetra Pak

UBC Recycling Ecosystem development in India.

A holistic perspective with interventions at all levels to increase UBC recycling.

Policy advocacy and Research

Consumers (waste generators)	Waste Pickers NGOs Scrap Dealers	Collection Centers, Startups, Waste Aggregators	Recyclers

Children education

Women empowerment

Healthcare

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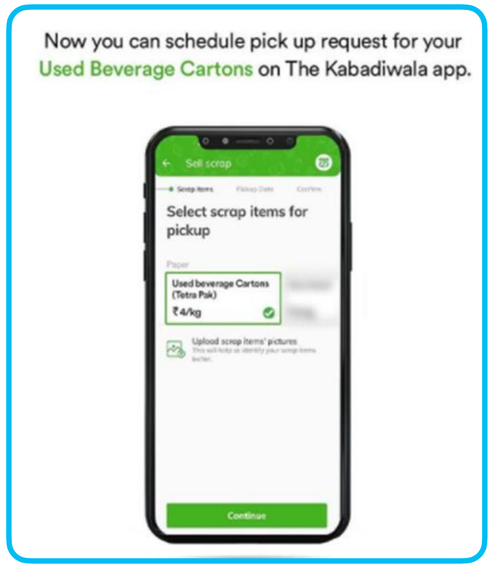

Digital Infrastructure

Value chain innovations

Scaling up collections

Innovation starts here.

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Cow shed from polyAl

School benches with chipboard

Innovation starts here.

Innovation
starts here.

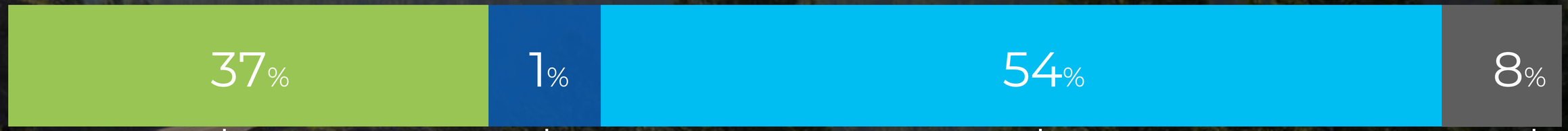
DELUXE RECYCLING
INDIA PRIVATE LIMITED

Let’s hear it from expert !

Tetra Pak®
PROTECTS WHAT’S GOOD

Achieve Net Zero targets for own operations by 2030.

Achieve Net Zero targets for value chain by 2050



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