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CAPITAL MARKETS DAY 2022

Today's objectives

- Advance 2025 update
 - Growth opportunities and strategic approach
 - Financial outlook
- Meet our team





Agenda

10:00 – 10:05 Introduction

10:05 – **10:50** Olivier Rigaud

10:50 – 11:20 Eddy van Rhede van der Kloot

11.20 – **11.45** Q&A Board of Management

11.45 – 12.30 Lunch

12.30 – **14.00** Carousel (4 x 20 mins)

14.00 – **14.50** Q&A Executive Committee

14.50 – 15.00 CEO Round-up



Today's presentation team



Olivier Rigaud
CEO Corbion



Eddy van Rhede van der Kloot CFO Corbion





Carousels

Sustainable Food Solutions



Andy Muller
President SFS



Olivier Rigaud CEO



David CharestSVP Business Industry SFS



Jennifer Lindsey
CMDO

Lactic Acid & Specialties



Marco Bootz
President LAS



Eddy van Rhede van der Kloot CFO



Thomas Philipon
CEO TotalEnergies
Corbion



Carousels

Algae Ingredients



Ruud Peerbooms
President Al



Aurélie Dalbiez CHRO



Tim RuttenSr. Dr. Commerce Al

Innovation



Marcel Wubbolts
CSSO



Jacqueline van Lemmen



Diana VisserSr. Dr Sustainability



Menno Lammers
VP Biomaterials



Our purpose

Preserve what matters



We champion preservation in all its forms Portfolio aligned to SDGs



2 ZERO HUNGER

We help preserve > 8 million tons of food globally

AlgaPrime DHA
enables sustainable
aquaculture growth
to feed 10 billion
people by 2050

Our sustainable food ingredients help control foodborne pathogens.

Resorbable
orthopedic implants
reduce follow-up
surgery which
improves health care
affordability

3 GOOD HEALTH AND WELL-BEING



New circular lactic acid technology with a 19% lower carbon footprint

Bioplastics produced from

12 RESPONSIBLE CONSUMPTION

produced from renewable resources are key to decouple plastics from fossil feedstocks

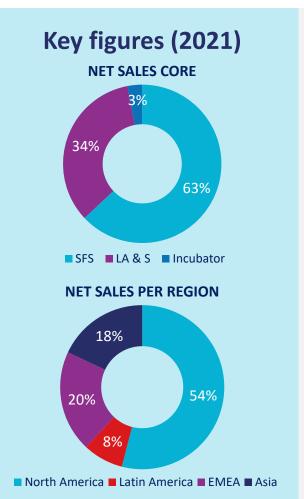


Global biobased ingredients provider with unique technology platform

€1.1BN net sales

€136MAdjusted EBITDA

2,493Employees





- Largest producer of lactic acid with global footprint
- Leading market positions in sustainable food solutions
- Unique technology platform: fermentation
- 13 manufacturing facilities, 8 innovation centers, and sales offices across the world

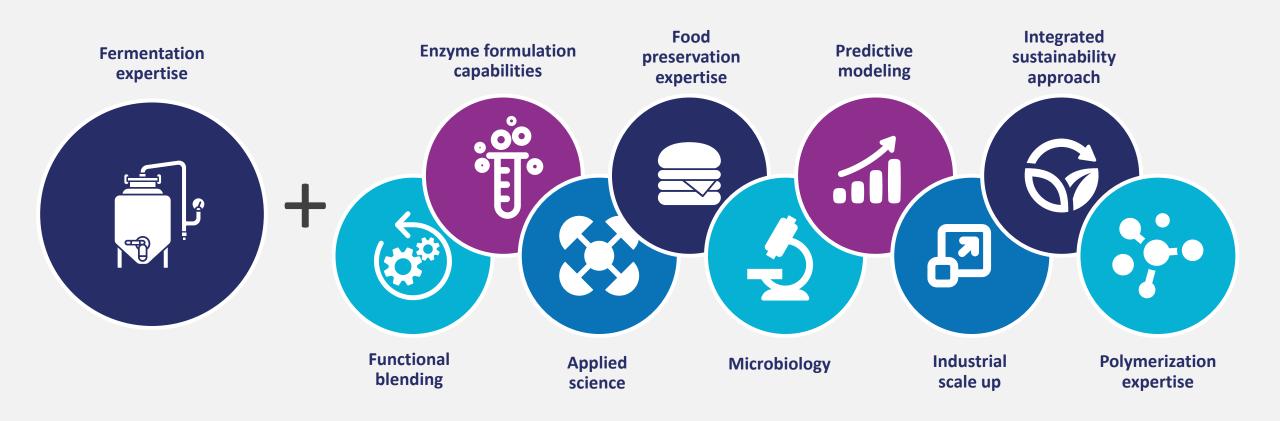


Fermentation powerhouse our key production technology **Natural** preservation blends Natural Lactates Vinegar ferments Over a Lactate Lactic acid century of Algae esters Omega-3 ingredients expertise Lactides

Fermentation expertise



Corbion ecosystem built around fermentation







Key highlights

Significant progress made in delivering 'Advance 2025'

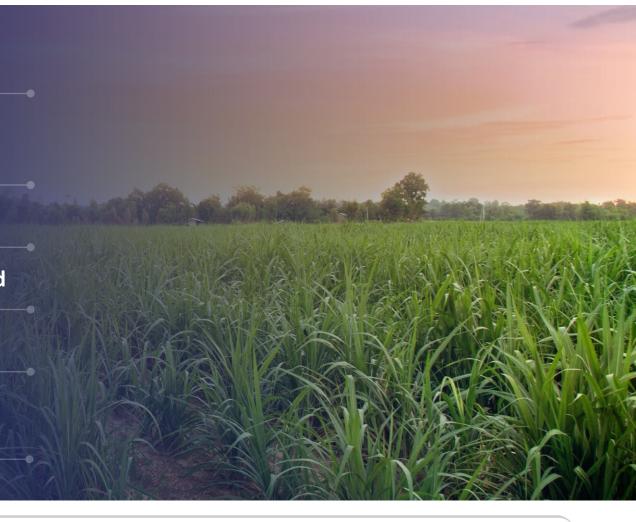
Increase net sales growth target '23-'25 to 5-8% p.a. (up from 4-7%)*

Adjusted EBITDA growth target '23-'25 of 15-20% p.a.*

Divestment process non-core emulsifiers business initiated

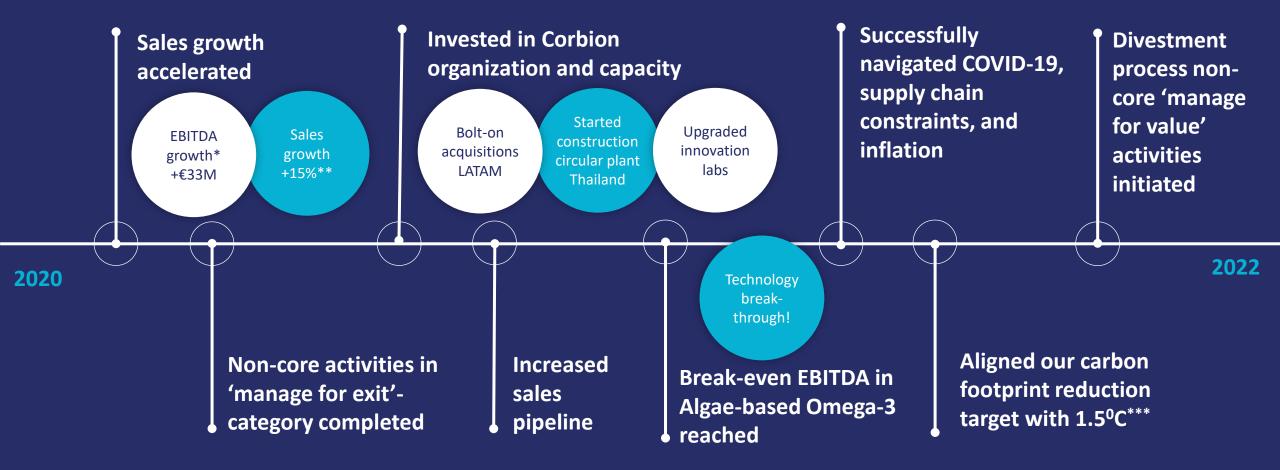
Creation of Algae Ingredients as a new reporting segment

Actively managing down funding ratio < 2.9x in 2023, and 1.5-2.5x as from 2024





Good progress made on Advance 2025 Strategic Plan





Raising the bar in sustainability





Key drivers of value creation going forward



Global supplier of food ingredient solutions for the world's leading food manufacturers

- Expansion into product/ market adjacencies
- Geographical expansion in Europe and Asia



Global leader in lactic acid and its derivative solutions covering biochemicals, medical biomaterials and bioplastics applications

- Circular lactic acid plant
 Thailand
- Lactic acid to PLA
- Medical biopolymers
- Derivatives in niche applications



Global supplier of algae-based ingredients providing nutritional benefits for human and animal diets

- Omega-3 in aquaculture
- Omega-3 in nutrition
- Leveraging our algae strain library



Early stage initiatives having a positive impact on the Sustainable Development Goals

- Algae portfolio extension
- Biopolymers
- Natural preservation
- Circular raw materials
- Net zero





Sustainable Food Solutions

Global supplier of food ingredient solutions for the world's leading food manufacturers

- Natural portfolio replacing synthetic ingredients with natural alternatives
- Keeping food fresh and safe for longer
- Deploying natural mechanisms and processes
- Customers in the bakery, meat, beverage, savory and dairy markets
- Minimising food waste and enhancing food safety

€584M*
net sales

63% of core portfolio

CAGR 20-22**

6% volume/mix

Single **Ingredients Functional Systems** 14% 44% 42% **Preservation**

13%
Sales growth

CAGR 20-22**

Outperforming market growth while investing in new areas

Outperforming competition

Market share gain in Bakery and Meat

Investments for growth

- New innovation centers
- Strengthening organizational capabilities

Extending geographical footprint

Successful integration of Brazil and Mexico acquisitions

Expansion into product and market adjacencies

- Dairy stabilizers
- Natural antioxidants
- Natural mold inhibitors
- Natural ferments





Natural food preservation and functional systems growing 2x market rate Corbion uniquely positioned to play in this space

Total addressable market

€8.5BN

Synthetic to natural

Health focus

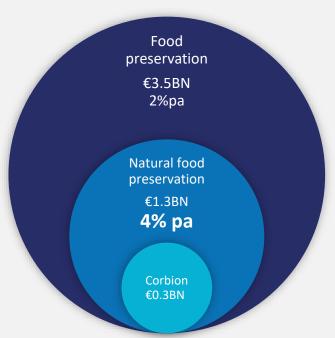
Food safety

Food waste reduction

Regulatory changes

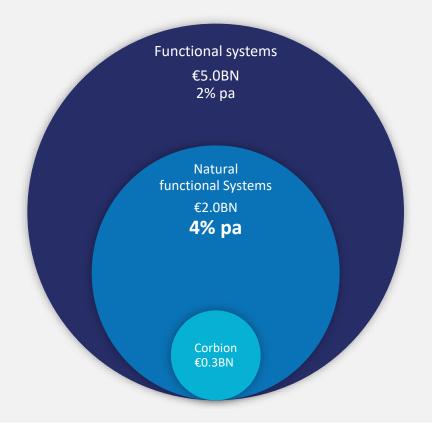


Market share: 25%



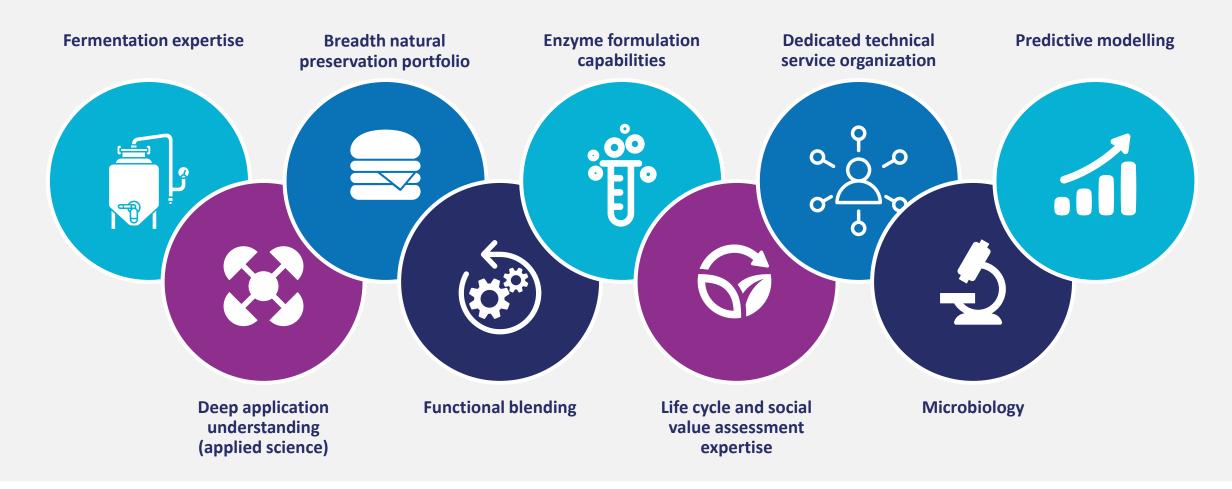
Functional systems

Market share: 15%



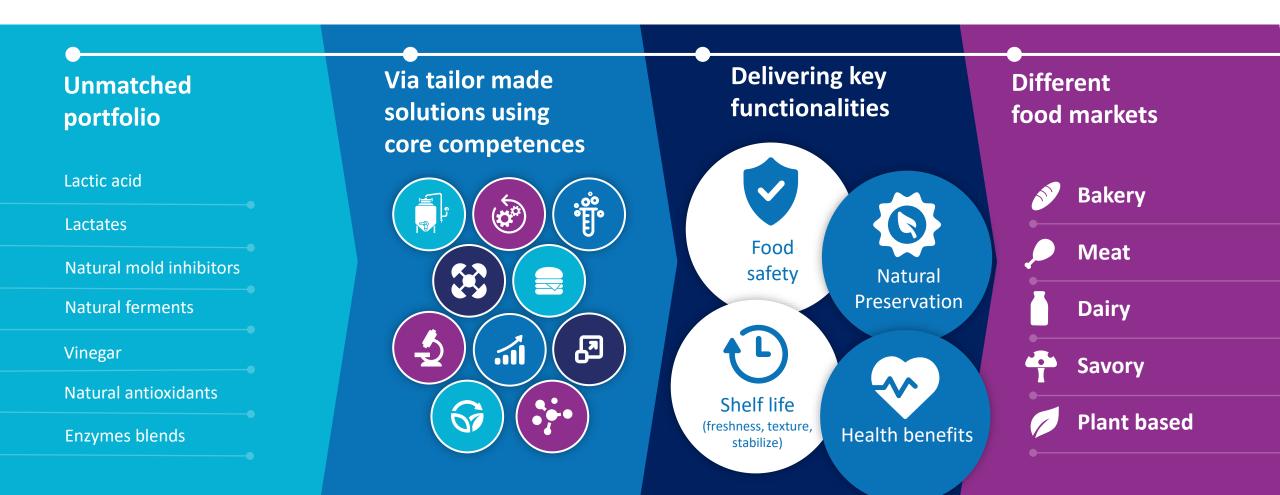


Differentiated core competencies and solution-based approach driving growth





Superior natural solutions for preservation and increased shelf-life





SUSTAINABLE FOOD SOLUTIONS - ADVANCE 2025 WHAT'S AHEAD

Stepping into exciting markets

Leverage existing capabilities and investments

Geographical expansion in Europe and South-East Asia

Value creation opportunities - adjacencies

Antioxidants
Addressable
market
€900M

Dairy stabilizers Addressable market €850M

Natural mold inhibitors
Addressable market
€650M



Game changing natural mold inhibitors

Combination of various Corbion's proprietary ferments

Aligned to consumer market trends for authentic natural ingredients

Sustainable reduction of food waste

Leveraging Corbion's core competencies

Strategic partnership with key global customers

Investments natural ferments US, Peoria

Resulting in IRR of ~30%





Lactic Acid & Specialties

Global leader in lactic acid and its derivative solutions covering biochemicals, medical biopolymers, and bioplastics applications

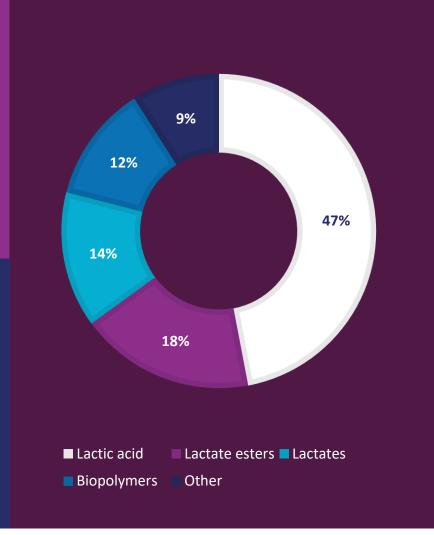
- Leading market growth through active business development
- Product strategy with focus on functionalities
- Leading position in PLA through joint venture with TotalEnergies

€312M*
net sales

34% of core portfolio

15%
Sales growth
CAGR 20-22**

5%
volume/mix
CAGR 20-22**





Expanding lactic acid capacity to drive our growth ambition

Expanded lactic acid capacity

- Lactic acid debottlenecking program 80KTon
- Construction circular lactic acid plant in progress

Continuous derivative capacity expansion

Lactate esters (Semiconductors), lactates (Pharma)

Medical biopolymers

Expansion to support Drug delivery and Orthopedic





Product portfolio well positioned in attractive growth markets

TO PLA

Addressable market €2.0BN

Market growth +15%*

Increased consumer concern about plastics

Brand owners increasing sustainability commitment

Need for circularity and end-of-life options

Unique performance in specific applications

MEDICAL BIOPOLYMERS

Addressable market > €0.5BN

Market growth +15%*

Need for affordable health care

Need for minimal intervention, avoid second surgery

Growing population with access to quality health care

Increased focus on mental health and patient compliance

DERIVATIVES IN NICHE APPLICATIONS

Addressable market €0.4BN Market growth +4%*

Semiconductors: High purity solvents for growing industry (datacenters, electronic vehicles, IoT, 5G)

Renal IV: Move dialysis from hospital to home

Home care: increased focus on anti- microbials and sanitation



Global market leader in lactic acid and derivatives with unparalleled product portfolio







Investment decision

Commissioning





2023

2024

Estimated commissioning PLA2 plant Grandpuits

Estimated investment decision LA plant in EU

EBITDA
Contribution
PLA2
\$50~70M*

€

2026

2025

2027 2028 2029

2022

TotalEnergies Corbion

Strong performance 5 years after start-up

Average market growth over last 5 year 15%

Achieved market share 25%

Growth opportunities ahead

Partnership with TotalEnergies committed to growing PLA





Continue to expand application horizons

TotalEnergies Corbion stimulates recycling of PLA

25 October 2022

TotalEnergies Corbion

<Download PDF>

- Horf, Germany – TotalEnergies Corbion is stepping up its efforts in closing the recycling loop for reacting, sorting, and cleaning of PLA waste and to facilitate a marketplace for PLA wing is actively buying reprocessed PLA waste. The advanced recycling Luminy® rPLA with the exact same properties and

From product to application play

- Leveraging TotalEnergies application centers
- Non-woven, 3D printing, durable goods

End-of-life options

- Recyclability
- Home compostability

Circular raw materials





PRESS RELEASE For immediate release

World's first plant-based medical grade face mask authorized under EUA by U.S. FDA

GORIMCHEM, The Netherlands, 22 October 2022 - PADM Medical Group of Companies (PADM TotalEnergies Corbion and Tomra announce successful Madical Canada and PADM Medical USA), has received its Emergency Use Authorization (EUA) from demonstration of PLA bioplastic sortability initiation (FDA)¹ to market PRECISION ECO™, the world's first plant medical settings² in the United States



TotalEnergies Corbion (Gorinchem, the Netherlands) has announced a breakthrough in the circular plastics economy by proving that polylactic acid (PLA) bioplastic can be sorted with municipal plastic waste. With the aim of determining the sortability of PLA from municipal mixed plastic waste, TotalEnergies Corbion and TOMRA Recycling conducted a sorting test in August 2022. The outcome, as has been confirmed many times before, showed that sorting PLA from other plastics waste is easy and straight-

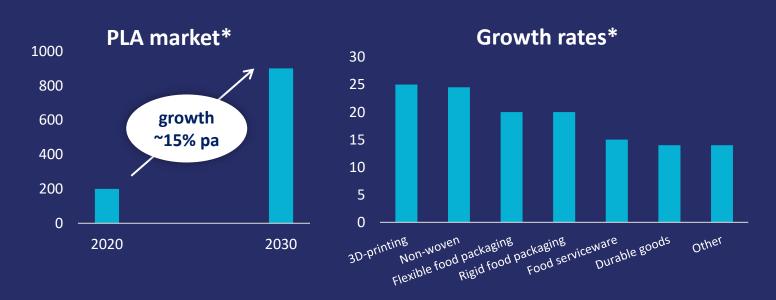


PLA market >800 kT in 2030

Non-woven and 3D-printing highest growth markets

PLA the most promising biopolymer and key building block for growth of biodegradable applications with PBAT, PBS and PHA

Sustainable pricing premium: non-woven, 3D-printing, durable goods and automotive applications





Our medical biopolymers sweet spot

High functionality derivatives, highly differentiated, strong margins

Drug delivery

- Controlled release of active ingredients (API)
- Highly effective drug delivery

Orthopedic

- Resorbable devices
- No repeated surgery needed

Regenerative medicine

- Support self-healing capacity of the body
- Explorative phase







Algae Ingredients

Global supplier of algaebased ingredients providing nutritional benefits for human and animal diets

- Unleashing the power of algae fermentation to provide nutritional ingredients such as omega-3
- Reducing pressure on the world's limited resources
- Customers in the aquaculture, pet food, and other omega-3s applications

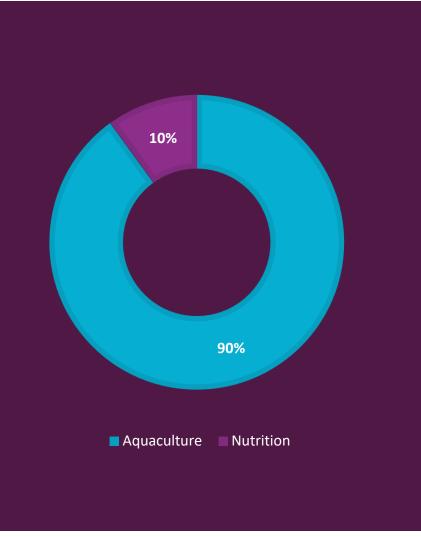
€31M*
net sales

3% of core portfolio

84%

Sales growth

81% volume/mix CAGR 20-22**





Foundation for the future being built, positive EBITDA as of June 2022

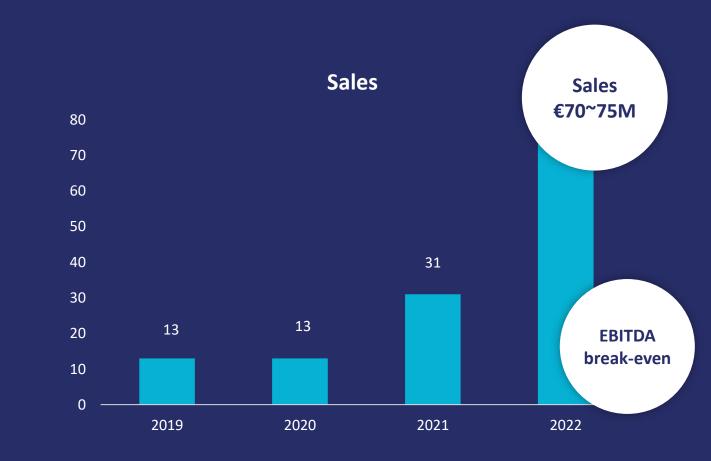
Omega-3 from niche to mainstream ingredient in aquaculture industry

Superior R&D delivery higher yielding algae strain

Commercial organization and customer base expanded

Production facility powered by renewable energy

EBITDA break-even from mid-2022



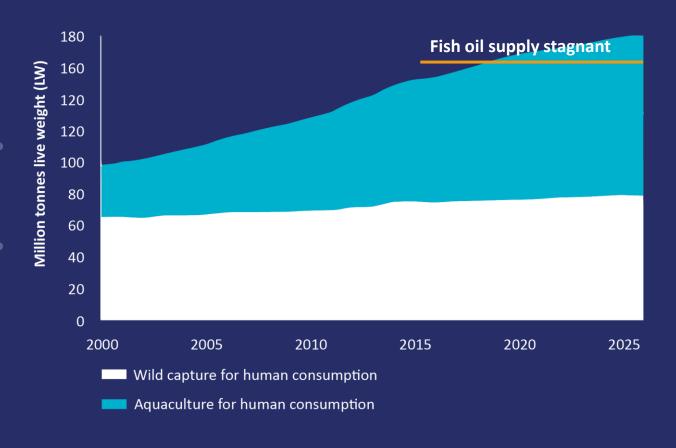


Demand omega-3 is outpacing supply, algae omega-3 key enabler in closing the demand-supply gap

Growing omega-3 demand

Supply of omega-3 by fish oil being stagnant

New technologies required to address this gap



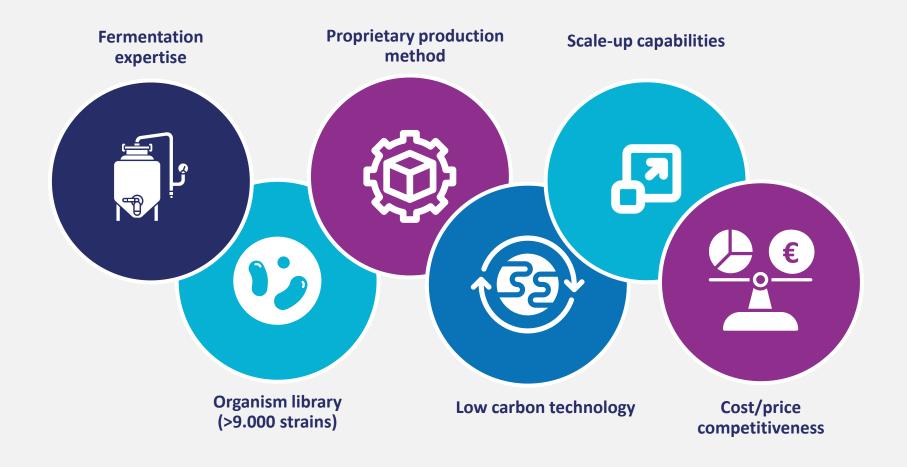


Corbion well positioned to be a leading algae omega-3 player



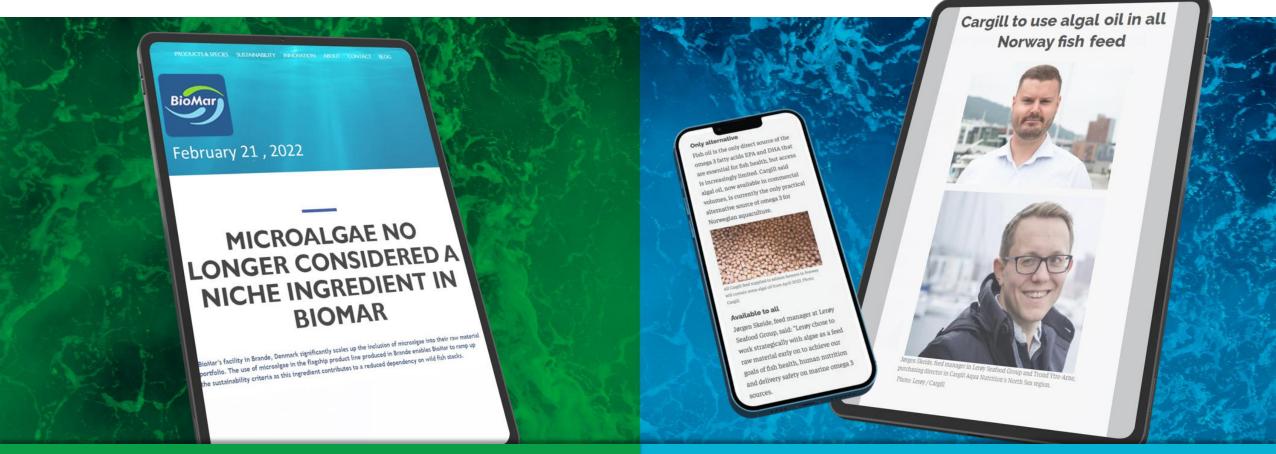


Combining our unique R&D expertise and commercial skills to deliver affordable solutions at scale





Major customer adoption showing algae omega-3 becoming mainstream in aquaculture



Source: <u>Microalgae no longer considered</u> a niche ingredient in BioMar | BioMar

Source: <u>Cargill to use algal oil in all</u>

Norway fish feed - FishFarmingExpert.com



Value creation: sustainable sales growth at above average Corbion margin

Continued growth in aquaculture

Growth opportunities in higher margin omega-3 markets

- Pet food
- Human nutrition

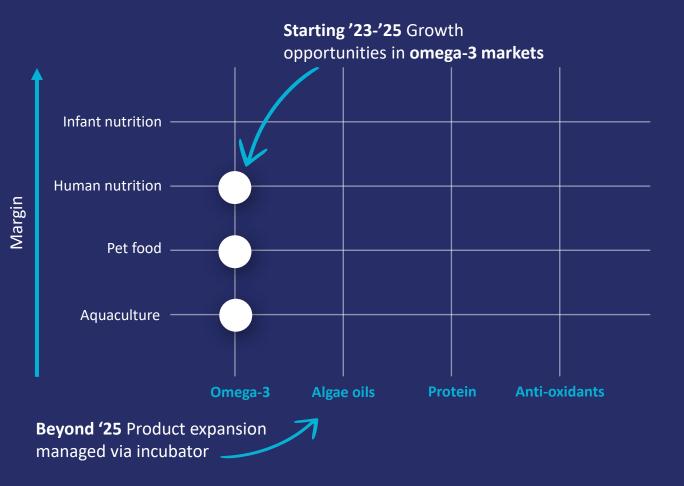
Further optimize yield algae strain

Exploring capacity extension options





Leveraging our portfolio of algae strains to address larger and more profitable markets

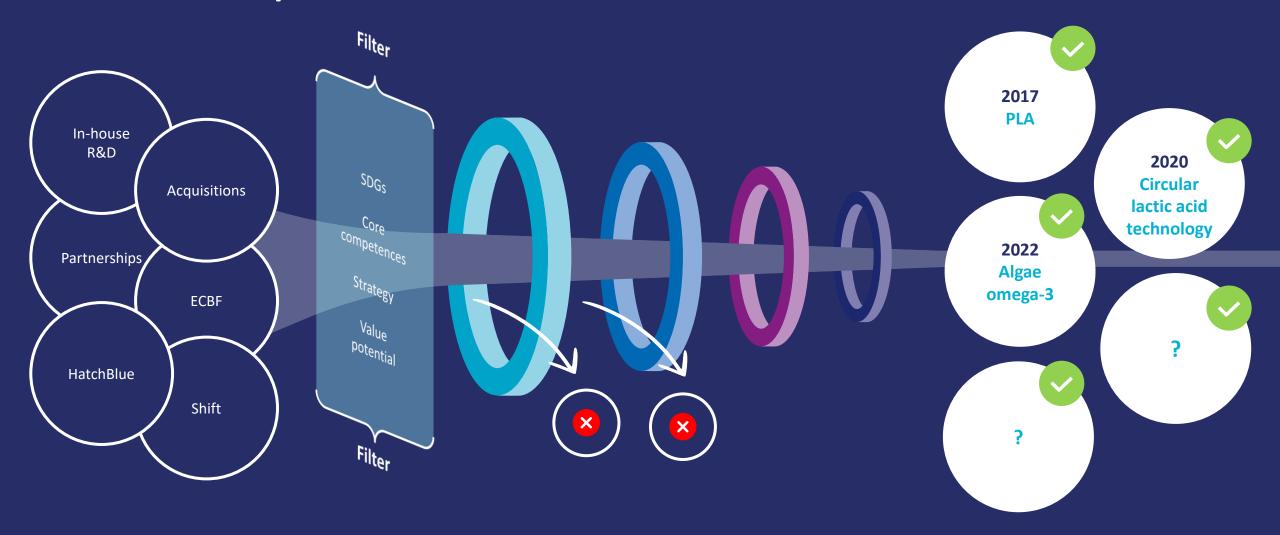








Proven concept of incubator investments





Continued disciplined approach on long-term innovations

2 ZHO 3 GOODHEATH CSSS	Algae portfolio extension	Biopolymers	Natural preservation	Circular raw materials	Net zero
Time to commercialization	3-10 yr	5-10 yr	3-5 yr	10+ yr	5-10 yr
Product type	Protein, lipids	Copolymer	Novel antimicrobials	Feedstock flexibility	GHG-reduction
Core competencies	Fermentation	Fermentation/ polymerization	Fermentation/ functional blending	Fermentation	Process technology
EBITDA investment 0.5%~1.5% of core sales				Existing initiatives	New initiatives



Strongly positioned for the future

Significant progress made in delivering Advance 2025

Increased net sales growth target '23-'25 to 5-8% p.a. and Adjusted EBITDA growth to 15-20% p.a.

Divestment process non-core emulsifiers business initiated

Creation of Algae Ingredients as a new reporting segment

Actively managing down funding ratio

Raising the bar in sustainability





Sales growth accelerated during early years of Advance 2025

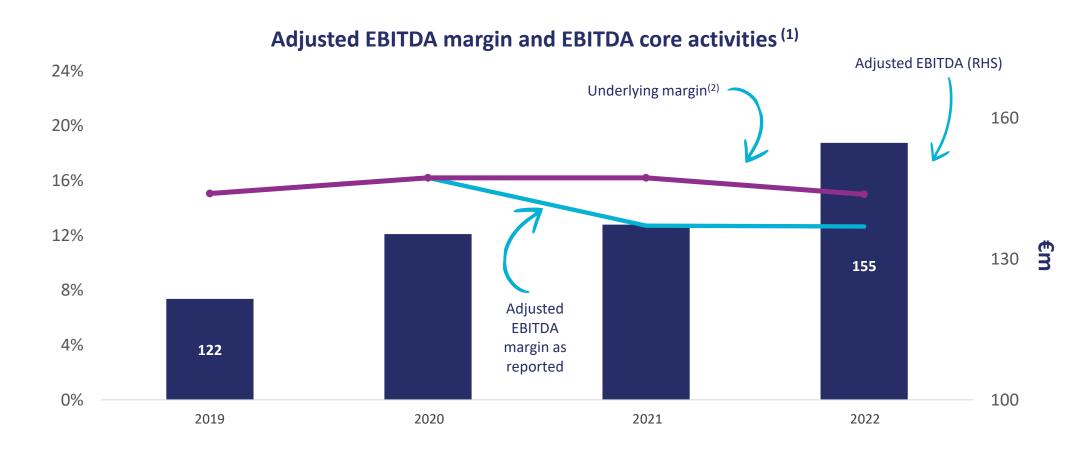




(1) 2014-2019 organic growth Corbion, 2020-2022 YTD Q3 organic growth Corbion core activities



Core Adjusted EBITDA growing at stable underlying margin



(1) 2022 Adjusted EBITDA based on company compiled consensus (as per October 2022), 2022 Adjusted EBITDA margin based on YTD Q3 reported figures; (2) Adjusted EBITDA margin excl. margin dilution caused by impact of input cost inflation and related sales price increases.



Past performance against Advance 2025

Financial targets			2020 - 2022 outcome
Core activities	Organic Net sales growth	4 - 7%	15.1% ⁽²⁾
Core activities	EBITDA margin	>17% from 2025	-
Underlying ambitions			
Sustainable Food Solutions	Organic sales growth	~3%	12.8% ⁽²⁾
Lactic Acid & Specialties	Organic sales growth	~7%	14.8% ⁽²⁾
Incubator: Omega-3	EBITDA	Break-even by 2022	As of June 2022
Incubator: other	EBITDA investment	0.5 - 1.5% of Corbion core sales	0.5 - 1.0%
Corbion	Capex (2020-2022)	€345M - 375M	€485M
Corbion	ROCE	>WACC	11.3% ⁽¹⁾

⁽¹⁾ Average ROCE for 2020/2021; (2) average growth percentage 2020/2021/2022 Q3 YTD



Strong track record high-return investments



Project type	Acquisition
Investment size	€ 150M ⁽³⁾
Acquired in	2017-2018
Sales ⁽¹⁾	€ 140M
EBITDA (1)	€ 25M
IRR ⁽²⁾	15%



Project type	Greenfield
Investment size	\$ 155M
Operational in	2018
Sales ⁽¹⁾	\$ 225-255M
EBITDA (1)	\$ 50-70M
IRR ⁽²⁾	17-20%



Project type	Expansion
Investment size	\$ 33M
Operational in	2020
Sales ⁽¹⁾	€ 50M
EBITDA (1)	€ 20M
IRR ⁽²⁾	21%

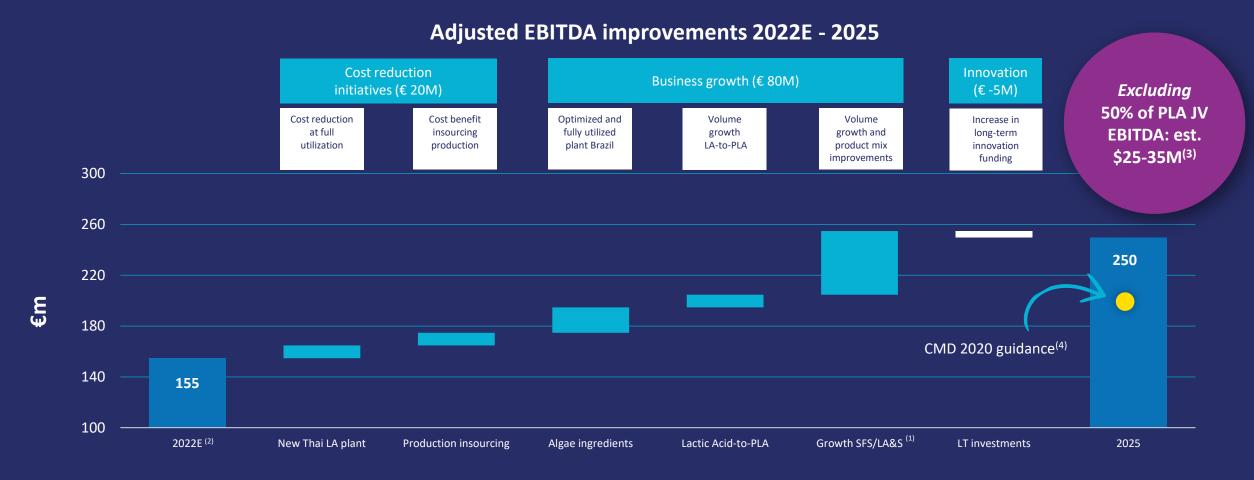


Project type	Expansion
Investment size	€ 6.5M
Operational in	2021
Sales ⁽¹⁾	€ 13M
EBITDA (1)	€ 7M
IRR ⁽²⁾	33%

(1) assuming full utilization; (2) IRR post-tax, internal Corbion assumptions; (3) capex and opex



Pathway to € 250 million Core Adjusted EBITDA by 2025⁽¹⁾



(1) Midpoint Adjusted EBITDA growth at 17.5% p.a.; (2) 2022E Adjusted EBITDA based on company compiled consensus of € 154.7 million (5 October 2022); (3) Assumptions: fully utilized PLA plant Thailand (75kT), PLA price/kg \$3.00-3.40; (4) Assuming midpoint 4-7% organic net sales growth core activities 2019-2025, at 17% core Adjusted EBITDA margin in 2025 at constant currencies



Priorities for capital allocation

1

Capital Expenditure

67% growth investments

2

Dividend

Stable to gradually increasing absolute dividend

3

M & A

Bolt-on acquisitions

4

Excess Cash Returns

Share buy-back and/or special dividend

Mid-term covenant net debt/covenant EBITDA 1.5 - 2.5x



Investing for future growth

Key expansion projects 2023 – 2025

Sustainable Food Solutions (€ 125M)

- Powder derivatives
- Liquid derivatives
- Natural ferments phase #2

Lactic Acid & Specialties (€ 85M)

- Medical biopolymers expansion
- Pharma/semiconductor

Algae Ingredients (€ 50M)

Expansion Orindiúva, Brazil

Completion new circular lactic acid plant Thailand (€ 60M)

Long-term projects

- PLA Grandpuits: Majority expected to be funded via non-recourse debt by TotalEnergies Corbion joint venture (decision expected in H2 2023)
- Lactic acid Europe: Beyond 2025

Cumulative capex: €475M (2023 - 2025) IRR 15%⁽¹⁾ Lactic Acid Thailand Maintenance € 60M € 155M IRR 20 - 100%⁽¹⁾ Expansion € 260M

(1) post-tax



Funding ratio⁽¹⁾ actively managed down

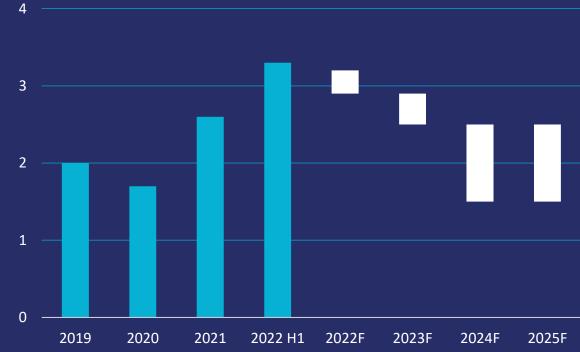
Divestment process non-core activities initiated

Outlook funding ratio is excluding positive impact divestment

Debt structure

- Duration 4.9 years (as per 3Q22)
- Avg. interest rate at 2.2% (as per 3Q22)
- First redemption in 2025: \$125m

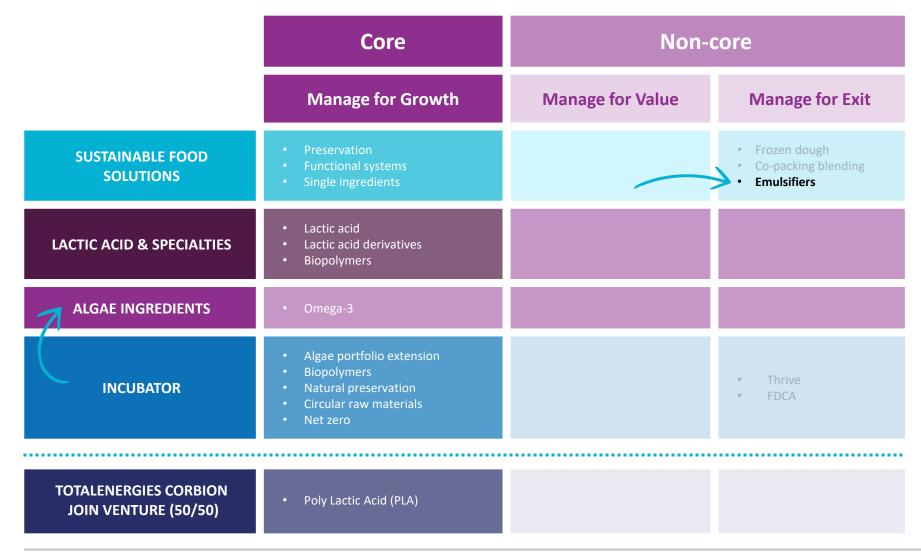
Covenant net debt/covenant EBITDA



(1) Covenant net debt/covenant EBITDA



New group segmentation



Algae Ingredients: New business unit

Divestment non-core emulsifiers business initiated



Guidance

Financial targets		CMD 2020	New ('23-'25)
Core	Organic net sales growth ⁽¹⁾	4 - 7% p.a.	5 - 8% p.a.
Core	Organic Adjusted EBITDA growth	-	15-20% p.a.

Underlying ambitions			
Sustainable Food Solutions	Organic sales growth ⁽¹⁾	~3%	~5%
Lactic Acid & Specialties	Organic sales growth ⁽¹⁾	~7%	~7%
Algae Ingredients	Organic sales growth ⁽¹⁾	-	~25%
Incubator: Omega-3	Adjusted EBITDA	Break-even by 2022	-
Incubator: other	Adjusted EBITDA investment	0.5 - 1.5% of Corbion core sales	0.5 - 1.5% of Corbion core sales
Core	Adjusted EBITDA margin	>17% from 2025	>17% from 2025
Corbion	Capex	€ 115M - 125M avg. p.a.	€ 160M avg. p.a.
Corbion	Covenant net debt/covenant EBITDA	~2.0x; peak at 2.5x	1.5-2.5x
Corbion	ROCE	> WACC	> WACC

⁽¹⁾ Organic growth defined as volume growth + mix growth, excluding price impact



Strongly positioned for the future

Significant progress made in delivering Advance 2025

Increased net sales growth target '23-'25 to 5-8% p.a. and Adjusted EBITDA growth to 15-20% p.a.*

Divestment process non-core emulsifiers business initiated

Creation of Algae Ingredients as a new reporting segment

Actively managing down funding ratio

Raising the bar in sustainability



Putting our strategy into action





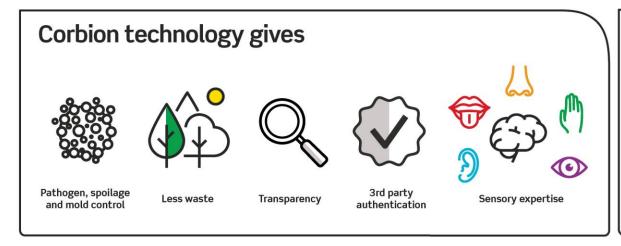




Sustainable Food Solutions global science, local taste



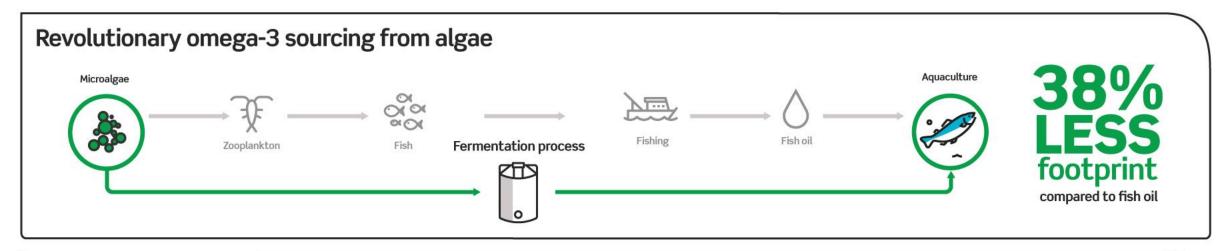


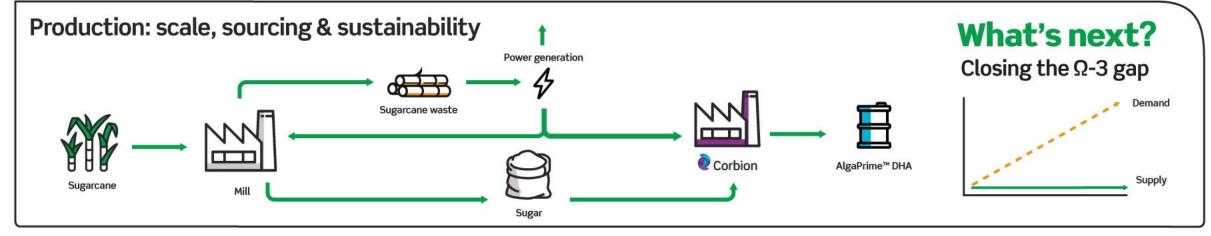






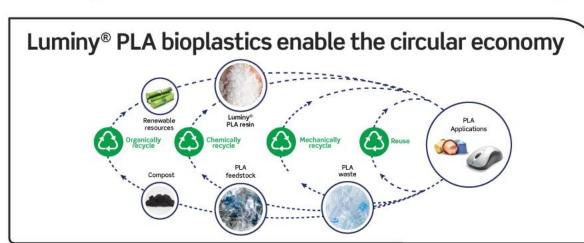
Algae preserves what matters

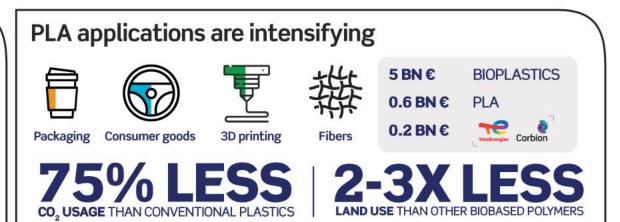






Polylactic acid (PLA) preserves what matters





Compostable bioplastic facts

- Luminy® PLA is made from sustainably sourced sugarcane
- It degrades in industrial composting facilities



SCAN TO WATCH PLA COMPOSTABILITY VIDEO



Rethinking recycling with PLA bioplastics

PLA PACKAGING IS SORTABLE AND RECYCLABLE



SCAN TO WATCH
PLA RECYCLABILITY VIDEO



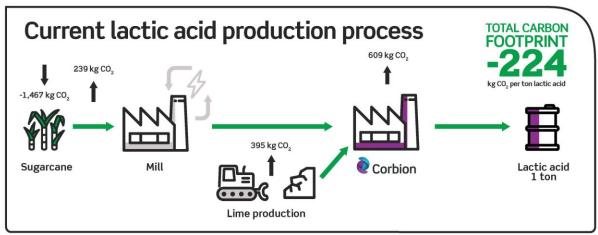




Net zero preserves what matters

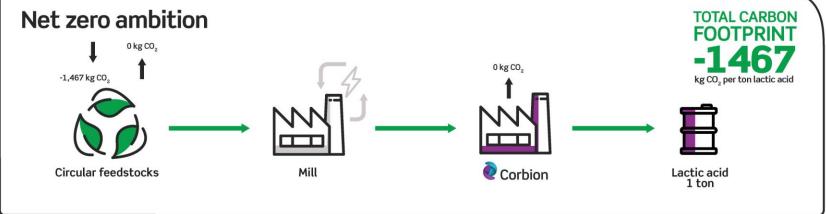
CO₂ removal from the atmosphere

CO₂ emissions











Biomaterials preserve what matters

Resorbable medical devices



Patient-friendly solutions

Improved lives + more affordable health care system

