

Avantium Investor Presentation

September 2026

Disclaimer

This presentation has been prepared by Avantium N.V. (the “Company”). For the purposes of this notice, the presentation that follows (the “Presentation”) shall mean and include the slides that follow, the oral presentation of the slides by the Company, the question-and answer session that follows that oral presentation, hard copies of this document and any materials distributed at, or in connection with, that presentation. Some of the statements in this Presentation constitute forward-looking statements. These statements involve known and unknown risks, uncertainties and other factors that may cause the Company’s actual results, levels of activity, performance or achievements to be materially different from any future results, levels of activity, performance or achievements expressed or implied by such forward-looking statements. Forward-looking statements relate to future events or the Company’s future financial performance. In some cases, forward looking statements can be identified by terminology such as “may,” “will,” “should,” “expects,” “plans,” “anticipates,” “believes,” “estimates,” “predicts,” “potential” or “continue” or the negative of such terms or other comparable terminology. These statements are only predictions. Actual events or results may differ materially. In evaluating these statements, various risk factors should be taken into account. Risk factors may cause actual results to differ materially from any forward-looking statement. Although the Company believes that the expectations reflected in the forward-looking statements are reasonable, the Company cannot guarantee future results, levels of activity, performance or achievements. Moreover, neither the Company nor any other person assumes responsibility for the accuracy and completeness of such statements. The Company is under no duty to update any of the forward-looking statements after the date of this Presentation or to conform such statements to actual results. The information contained in this Presentation is for information purposes only. Avantium’s reported financial results are prepared in accordance with International Financial Reporting Standards as adopted by the European Union. The information does not constitute or form part of, and should not be construed as, an offer to sell or issue, or a solicitation of any offer to buy or subscribe for any securities of the Company in any jurisdiction, and is not for publication or distribution in the US or to persons in the US (within the meaning of Regulation S under the US Securities Act of 1933 (the “Securities Act”)), Canada, Japan, Australia or any other jurisdiction where such distribution or offer is unlawful. The Company does not intend to register any portion of the offering in the United States or to conduct a public offering of any securities in the United States. Subject to certain limited exceptions, neither this Presentation nor any copy of it may be taken, transmitted or distributed, directly or indirectly, into the US, its territories or possessions. The distribution of this Presentation in other jurisdictions may be restricted by law and persons into whose possession this Presentation comes should inform themselves about, and observe, any such restrictions. This presentation contains AI-generated images, which are for illustrative purposes only, do not depict real persons, places or events, and should not be relied upon as authentic.

Avantium made significant progress over the last 12 months

Completion of FDCA Flagship Plant



Start-up nearing completion; working toward 1st sales under offtake agreements to commence end of 2026

Commercial momentum



23 offtakes for FDCA Flagship Plant product sales; 16 capacity reservations (totaling >150kta) for license plants product sales, representing product value of €750m per year

Financial discipline



Headcount reduced by 15% since mid-year 2025; continuing to align organizational structure

Portfolio strategic focus



Ray divested, Volta spin-out realized, Parana spin-out progressing

Profitability target



Financial ambition: c.€90m annualized revenue and EBITDA break-even end of 2027

Avantium enters commercial stage

Transforming sugars into next-generation bio-based plastic: *releaf®*



Technology Leader

Transforming sugars into FDCA, the key building block for PEF (branded as releaf®), at the world's first FDCA plant



Commercial Stage

Expecting first revenues from the FDCA Flagship Plant end of 2026; licensing model to generate future milestone & royalty revenues



Superior Performance

Higher oxygen & CO₂ barrier than PET; longer shelf life, lighter packaging



Demand Locked In

FDCA Flagship Plant: 23 offtakes license plants: 16 capacity reservations, >150kta secured



Global Market Development

Launching FDCA & PEF applications with leading brand owners worldwide



Strong IP Portfolio

555 patents and applications protecting the YXY® Technology



Pioneer since 2000

25+ years of expertise, Amsterdam HQ & 240 FTE



EURONEXT

Publicly Listed

Euronext Amsterdam & Brussels



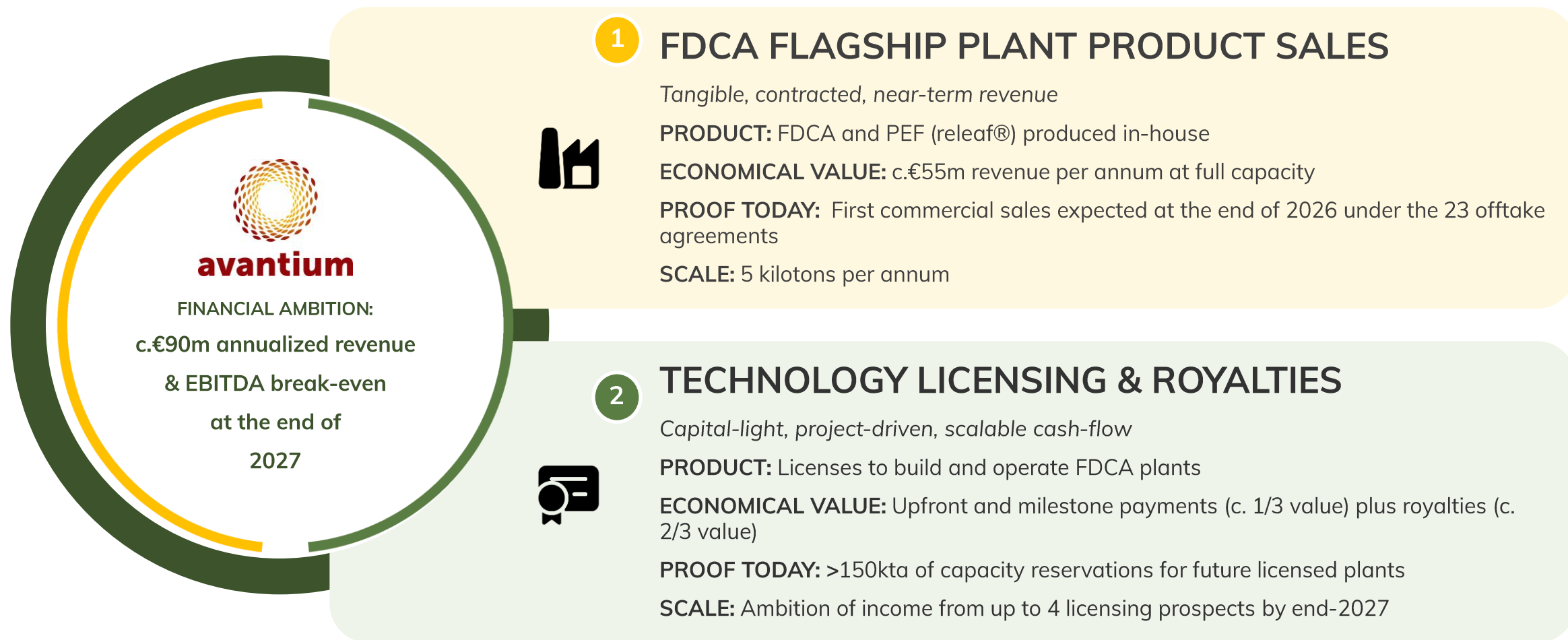
avantium

Investor Presentation – September 2026

Note: PEF = Polyethylene Furanoate; YXY = Avantium's sugar to FDCA technology; FDCA = Furandicarboxylic Acid

Two revenue engines, one path to EBITDA break-even

The Avantium business model



From capex-heavy project to a commercial platform

Transitioning from an R&D,
pre-revenue Company...



FDCA Flagship Plant

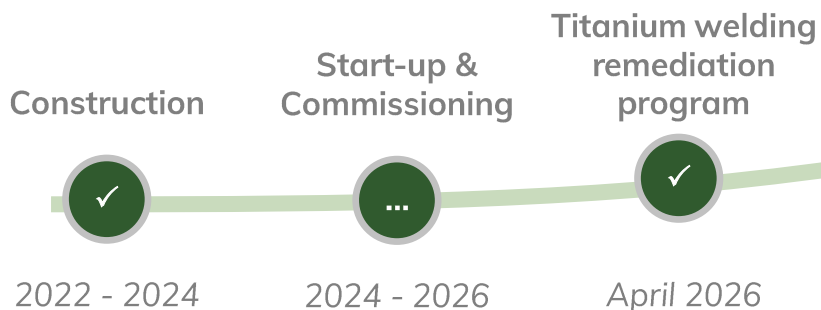


Made by Avantium

Commercial inflection:
start of first
commercial sales



End of 2026



Targeting
c.€90m annualized
revenue &
EBITDA break-even



End of 2027

First potential license
plants on-stream



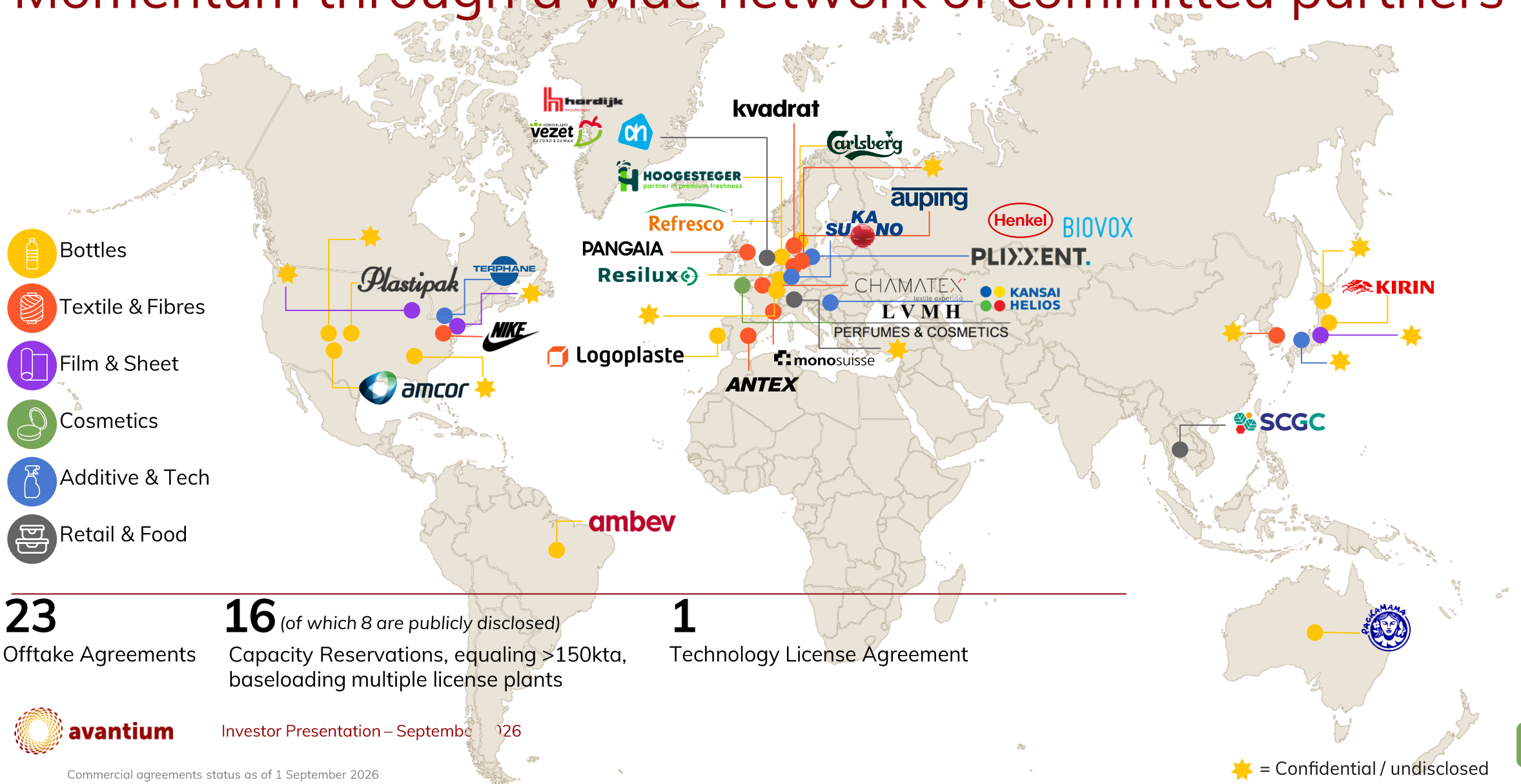
2030>



Illustrative License Plants

...to a commercial
stage Company

Momentum through a wide network of committed partners



23

Offtake Agreements

16

(of which 8 are publicly disclosed)

Capacity Reservations, equaling >150kta, baseloading multiple license plants

1

Technology License Agreement



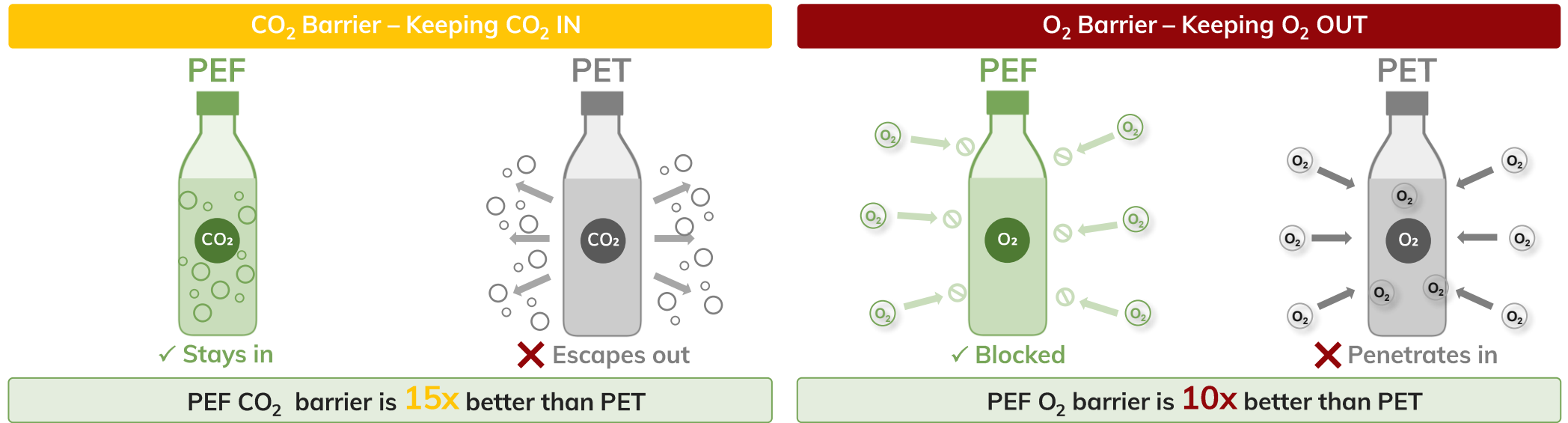
Investor Presentation – September 2026

Commercial agreements status as of 1 September 2026

★ = Confidential / undisclosed

PEF: the next-generation performance material

Superior barrier properties
PEF vs PET



Distinctive value proposition



20% weight reduction

Less material required for same performance



Longer shelf life

Food waste reduction



Broader applications

Replaces glass, aluminium and PET



Better recyclability

Mono-material; replaces nylon layers

Sustainability benefits



100% bio-based feedstock



Fully recyclable



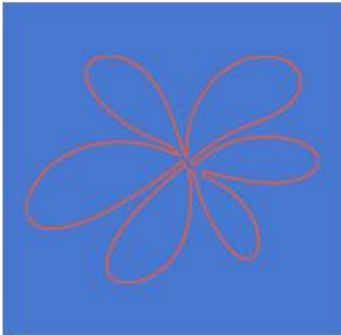
Up to 88% lower carbon footprint



Investor Presentation – September 2026

Sources: Avantium and Nova Institute, PEF – A Sustainable Packaging Material for Bottles - ISO Certified LCA of Avantium's PEF products, 2022; University of Aberdeen, PEF plastic synthesised from industrial carbon dioxide and biowaste, 2020; Journal of Ecological Engineering, Energy Inputs on the Production of Plastic Products, 2022; RECORD, Chemical and physico-chemical recycling of plastic waste, 2022; Avantium, The Journey of Avantium's PEF towards Commercialisation, 2021

Marketed as releaf®



Three-pillar licensing strategy to de-risk adoption for future licensees

Validating and de-risking the licensing model for future licensees

1 Commercial

>150kta of cumulative signed capacity reservations for future license plants

= more than one license plant (100kta)

Signed capacity reservations:



· 8 undisclosed companies

2 Technology

Derisking technology risk by proving commercial-scale production in the FDCA Flagship Plant



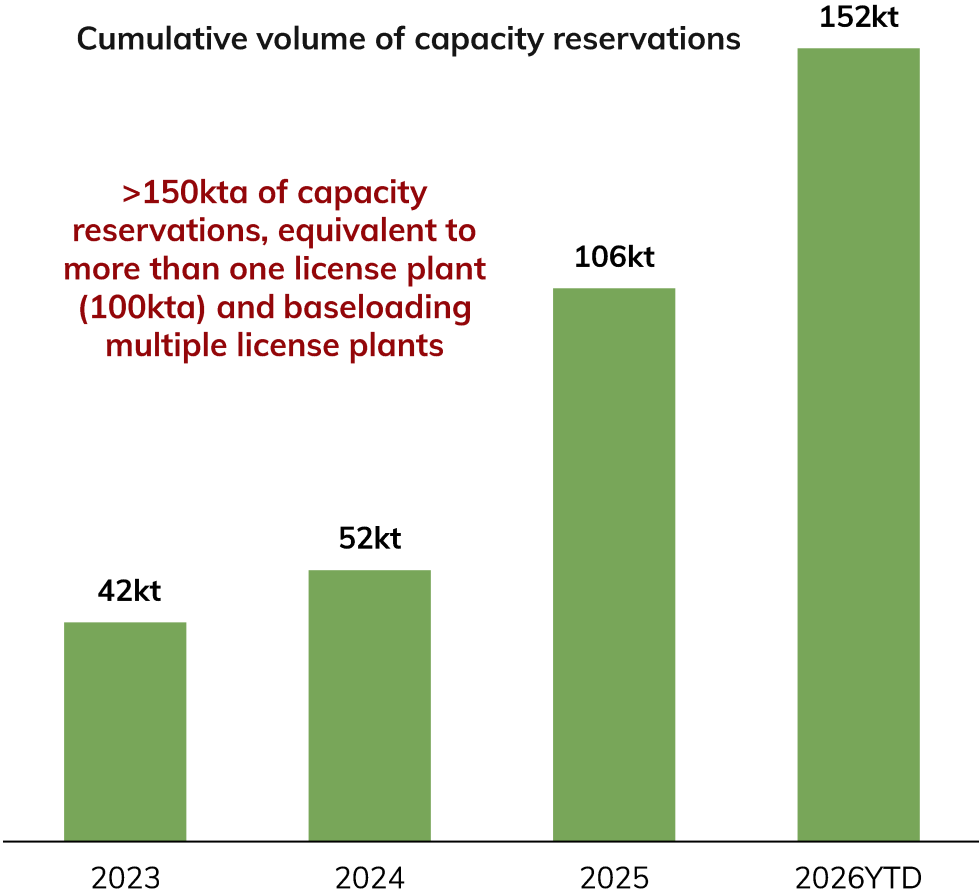
3 Feedstock

Ensuring feedstock flexibility through a 1st and 2nd generation sourcing strategy

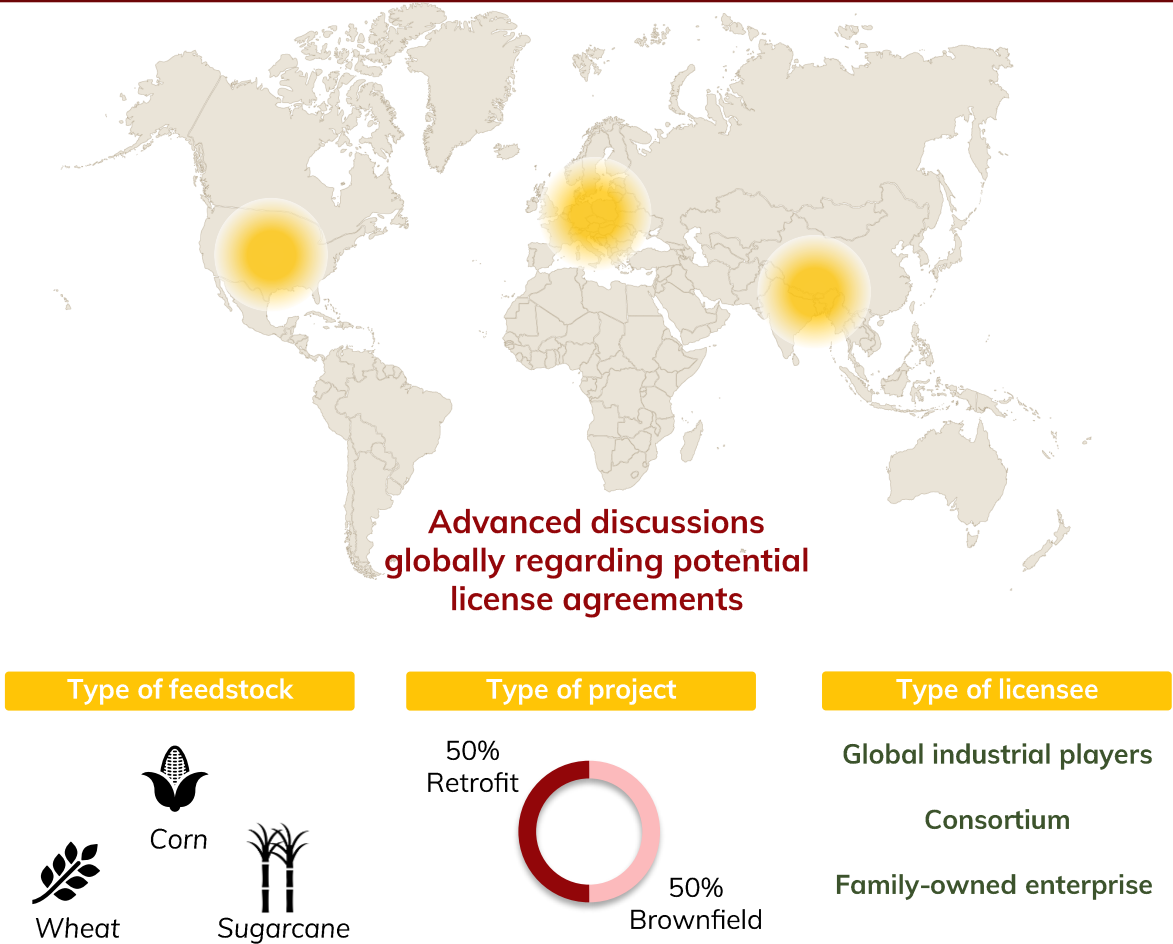


Strong capacity-backed licensing momentum

Growing number of capacity reservations for future plants...



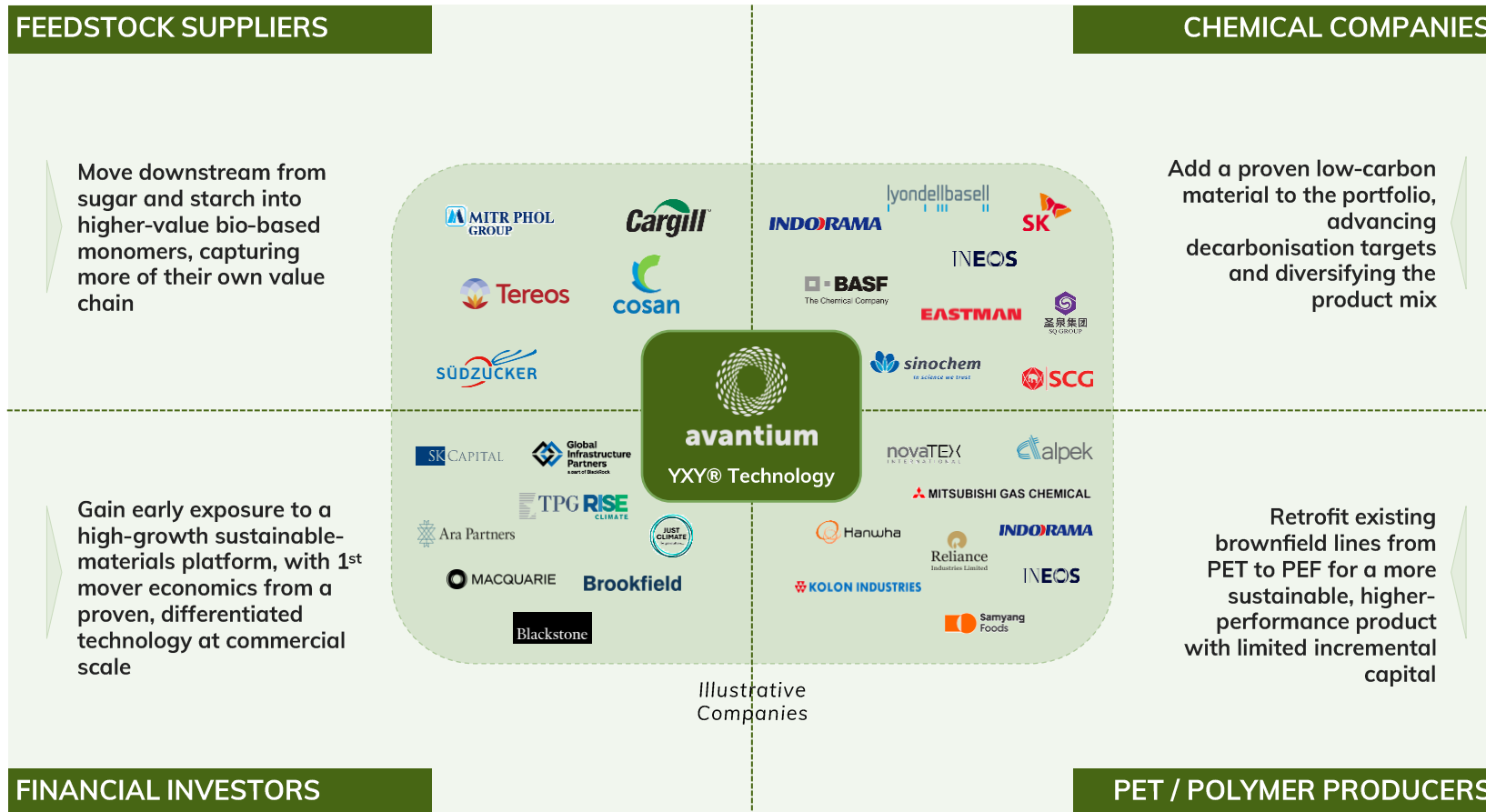
...supports active engagement with potential licensees



Global FDCA licensing opportunities for Avantium

Technology licensing target customers; on a standalone or consortium basis

Key considerations on licensing



Attractive market and business case

Ability to retrofit existing brownfield assets vs. greenfield (proximity to existing production infrastructure)

Regulations and incentives

De-risked technology, proven at scale

Feedstock availability



Investor Presentation – September 2026

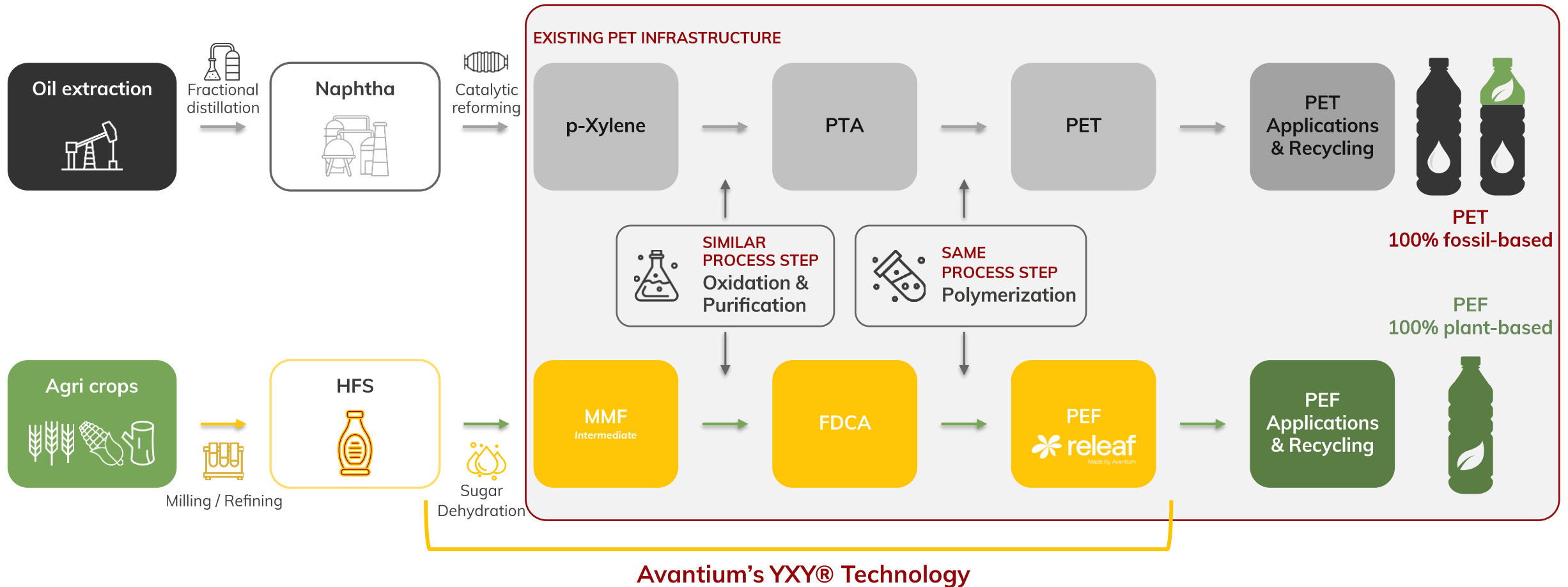
Industrializing the technology



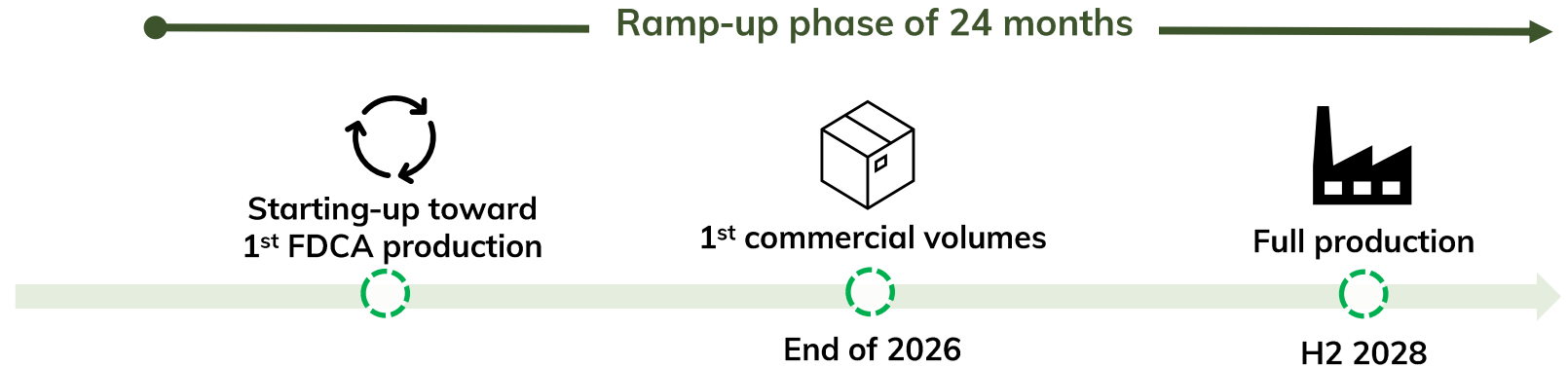
Investor Presentation – September 2026

Value chain comparison of PEF and PET

Building on existing know-how and compatible with existing assets



FDCA Flagship Plant moving toward 1st production, paving the way for licensing



Status August 2026:

- Oxidation unit successfully commissioned
- Commissioning activities for Purification unit being finalized
- For the remainder of 2026, Avantium will focus on full FDCA Flagship Plant start-up and production of the 1st batches of FDCA
- First commercial shipments to customers are expected to commence end of 2026

FDCA Flagship Plant

1st

First-of-a-kind
commercial FDCA
plant

5kta

Nameplate
production
capacity, proving
technology at scale

€55m

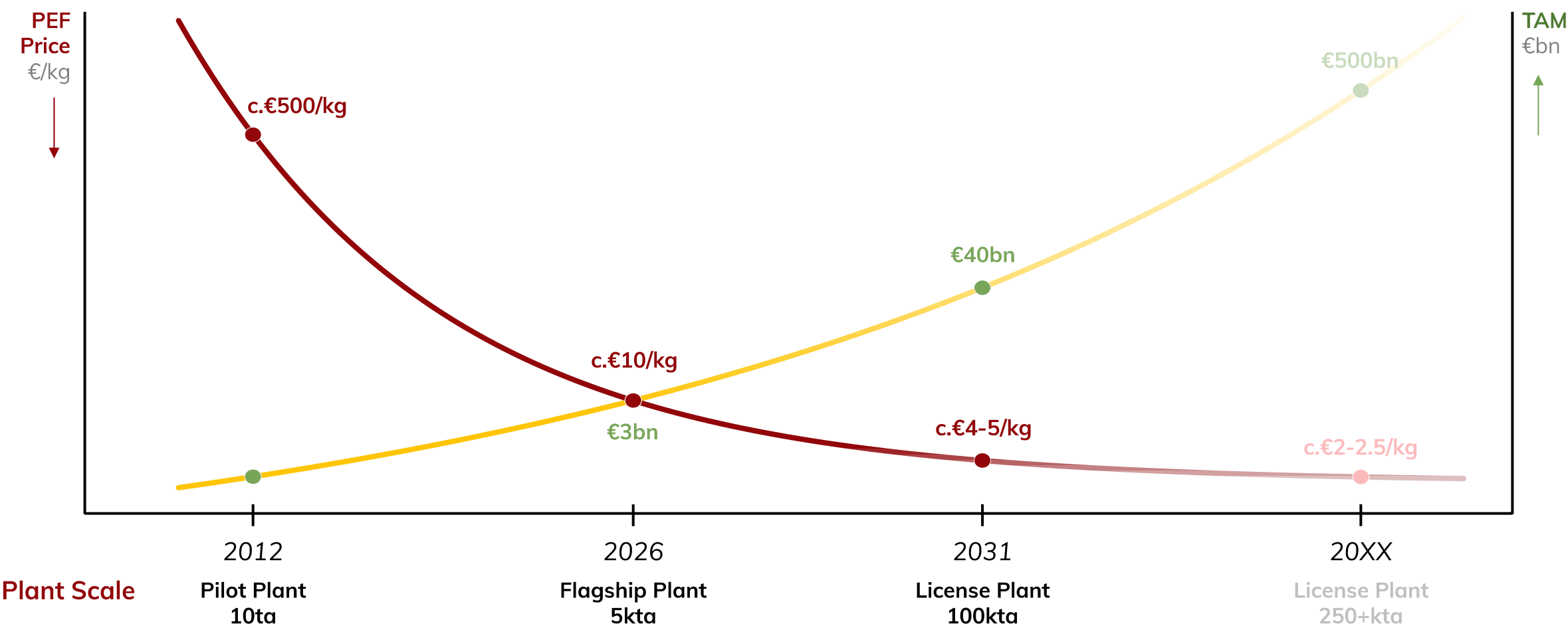
Revenue at full
capacity per
annum¹

70

People working in a
dedicated FSP team

Scale drives economics

Expected PEF price reduction to drive a massive expansion of our TAM



Notes: (1) Million Metric Tons Annually, chart is not to scale
Sources: Smithers, The future of high barrier packaging films to 2024, 2021; Smithers, The future of global flexible packaging to 2026, 2021; Smithers, The future of rigid plastic packaging to 2026, 2021; Thermoformed Packaging Market to 2025, 2018 ; PCI Wood Mackenzie, Abstract report global Multilayer PET bottles industry to 2024, 2016 ; Allied Market Research

PEF is both sustainable and price-competitive at scale

100kta

Competing with aluminium and glass at €5.0/kg PEF



PEF Bottle
33cl – 13.5g
PEF material cost¹
€0.07 = ~7% of end price



Glass Bottle
33cl – 200g
Glass material cost¹
€0.15 = ~15% of end price



Aluminium Can
33cl – 13g
Alu material cost¹
€0.04 = ~6% of end price

250kta

Competing with mono-material PET at €2.5/kg PEF



PEF Bottle
50cl – 17.5g
PEF material cost²
€0.044 = ~4% of end price



rPET Bottle
50cl – 22g
rPET material cost²
€0.047 = ~4% of end price



PET Bottle
50cl – 22g
PET material cost²
€0.026 = ~2% of end price

PEF reducing Global Warming Potential ↓ **76%** vs. glass ↓ **67%** vs. aluminium

↓ **73%** vs. PET

Only a c.85% recycled content PET bottle can equal PEF bottle carbon footprint



Notes: (1) a 33cl bottle made with PEF at €5.0/kg sold at €1.00, a 33cl glass bottle (glass at €0.74/kg) sold at €1.00 and a 33cl aluminium can (aluminium at €3.16/kg) sold at €0.67; (2) Assuming PEF at €2.5/kg, rPET at €2.13/kg and PET at €1.16/kg, and a 50cl sold at €1.20. Sources: enzymatic rPET, Company's estimates; Glass, Food grade rPET & PET prices, BusinessAnalytIQ.com (Europe, June 2026; FX EUR/USD 1.1419, CapIQ); aluminium price, LME cash + European duty-paid premium (Fastmarkets/CME), June 2026; PEF World Congress - bioplastics MAGAZINE(2024), 20241030-PEF-World-Congress-presentation-Nova-Institute-LCA-PEF.pdf, Aluminium International (33 cl), Aluminium Beverage Can Study - International Aluminium Institute

FDCA / PEF: Superior performance and sustainability benefits

Plant-based releaf® juice drinks

Keeps it fresh

- Protect O₂ sensitive beverages
10x higher barrier vs PET
- Protects vitamin C content
- Preserves natural color

Addressable market for bottles

> 50 million ton/year
> €250 bn

Plant based & Future proof

- Recyclable
- Reduced carbon footprint

More value & Cost competitive

- Robust material & Lightweighting
- Competitive with glass & on par with aluminum can (330 mL)



Avantium's partners

Examples



Investor Presentation – September 2026

Notes: (1) estimated volume reflects Total Addressable Market (TAM) in ton PEF equivalent (2030). (2) Addressable Market is presented by bottles (glass, aluminum cans, and PET), Packaging (Trays, Flexibles, Cosmetics), and Textiles. (3) Sources: Global Glass Bottles Market Forecast to 2033 (Spherical insights, 2024) - The Future of Metal Packaging and Coatings to 2029 (Smithers, 2024), Global PET long-term supply and demand outlook H2 2024 (WoodMackenzie, 2024). The Future of Rigid Plastic Packaging to 2026 (Smithers, 2021), The Future of High-Barrier Films for Packaging to 2024 (Smithers, 2019) Textile Exchange Materials Market Report (2025)

Plant-based releaf® carbonated soft drinks

Keeps the fizz

- Protect O₂ sensitive beverages
10x higher barrier vs PET
- Protect CO₂ sensitive beverages
15x higher barrier vs PET

Addressable market for bottles

> 50 million ton/year
> €250 bn



Plant based & Future proof

- Recyclable
- Reduced carbon footprint

More value & Cost competitive

- Robust material & Lightweighting
- Competitive with glass & on par with aluminum can (330 mL)

Avantium's partners

Examples

ambev **Resilux**  **Plastipak**



Investor Presentation – September 2026

Notes: (1) estimated volume reflects Total Addressable Market (TAM) in ton PEF equivalent (2030). (2) Addressable Market is presented by bottles (glass, aluminum cans, and PET), Packaging (Trays, Flexibles, Cosmetics), and Textiles. (3) Sources: Global Glass Bottles Market Forecast to 2033 (Spherical insights, 2024) – The Future of Metal Packaging and Coatings to 2029 (Smithers, 2024), Global PET long-term supply and demand outlook H2 2024 (WoodMackenzie, 2024). The Future of Rigid Plastic Packaging to 2026 (Smithers, 2021), The Future of High-Barrier Films for Packaging to 2024 (Smithers, 2019) Textile Exchange Materials Market Report (2025)

Mono and multilayer releaf® for food trays

Keeps it Fresh & Safe

- High oxygen Barrier
10x vs PET
- Improved water barrier
3 x vs PET

Addressable market for packaging

> 20 million ton/year
> €100bn

Plant based & Future proof

- Reduced carbon footprint
- Improved recyclability
- Lightweighting

More value & Cost competitive

- Replacing high-cost barrier materials
- Lower EPR fees due to improved recyclability



Avantium's partners

Examples



Investor Presentation – September 2026

Notes: (1) estimated volume reflects Total Addressable Market (TAM) in ton PEF equivalent (2030). (2) Addressable Market is presented by bottles (glass, aluminum cans, and PET), Packaging (Trays, Flexibles, Cosmetics), and Textiles. (3) Sources: Global Glass Bottles Market Forecast to 2033 (Spherical insights, 2024) - The Future of Metal Packaging and Coatings to 2029 (Smithers, 2024), Global PET long-term supply and demand outlook H2 2024 (WoodMackenzie, 2024). The Future of Rigid Plastic Packaging to 2026 (Smithers, 2021), The Future of High-Barrier Films for Packaging to 2024 (Smithers, 2019) Textile Exchange Materials Market Report (2025)

Plant-based releaf[®] for cosmetics packaging

Excellent Barriers & Design advantages

- High moisture barrier
- Lightweight
- Transparent
- Compatible with variety of formulas

Addressable Market for Packaging

> 20 million ton/year
> €100bn



Plant based & Future proof

- Reduced carbon footprint
- Improved recyclability

Cost competitive

Cost competitive with high-end technical plastics and glass

Avantium's partners

Examples

LVMH
PERFUMES & COSMETICS

texen



Investor Presentation – September 2026

Notes: (1) estimated volume reflects Total Addressable Market (TAM) in ton PEF equivalent (2030). (2) Addressable Market is presented by bottles (glass, aluminum cans, and PET), Packaging (Trays, Flexibles, Cosmetics), and Textiles. (3) Sources: Global Glass Bottles Market Forecast to 2033 (Spherical insights, 2024) - The Future of Metal Packaging and Coatings to 2029 (Smithers, 2024), Global PET long-term supply and demand outlook H2 2024 (WoodMackenzie, 2024). The Future of Rigid Plastic Packaging to 2026 (Smithers, 2021), The Future of High-Barrier Films for Packaging to 2024 (Smithers, 2019) Textile Exchange Materials Market Report (2025)

Plant-based releaf® for textile

Performance

- Less odor due to higher antibacterial activity
- In process of discovering additional benefits

Plant based & Future proof

- Reduced carbon footprint



Addressable market for textile

- > 100 million ton/year
- > €200bn

Energy & cost saving

Savings due to lower dying temperature

Avantium's partners

Examples



Investor Presentation – September 2026

Notes: (1) estimated volume reflects Total Addressable Market (TAM) in ton PEF equivalent (2030). (2) Addressable Market is presented by bottles (glass, aluminum cans, and PET), Packaging (Trays, Flexibles, Cosmetics), and Textiles. (3) Sources: Global Glass Bottles Market Forecast to 2033 (Spherical insights, 2024) - The Future of Metal Packaging and Coatings to 2029 (Smithers, 2024), Global PET long-term supply and demand outlook H2 2024 (WoodMackenzie, 2024). The Future of Rigid Plastic Packaging to 2026 (Smithers, 2021), The Future of High-Barrier Films for Packaging to 2024 (Smithers, 2019) Textile Exchange Materials Market Report (2025)

Why Avantium, why now

After 20 years of development and construction of the FDCA Flagship Plant, Avantium is now starting-up its plant and is transitioning towards a commercial-stage company

1

FDCA Flagship Plant in start-up

Progressing toward start-up of the first-of-a-kind FDCA Flagship Plant; expecting to commence first commercial sales at the end of 2026

2

Construction risk retired

The primary construction risk has been addressed. The focus now shifts from process commissioning to ramp-up, paving the way for industrial-scale technology validation

3

Increased commercial momentum

1st commercial sales expected end of 2026 under the 23 offtake agreements and 16 capacity reservations for future plants across multiple applications with >150kta of capacity reservations secured, to baseload multiple license plants

4

Superior-performance material targeting a multi-billion market

Offering superior performance, PEF addresses sizeable bottles (>€250bn), packaging (>€100bn), and textile (>€200bn) markets as a renewable substitute for PET, glass, and aluminium

5

Financial ambition

c. €90m annualized revenue and EBITDA break-even at the end of 2027



Appendix

Glossary

FDCA: Furandicarboxylic Acid

FDME: Furandicarboxylic Methyl Ester

FEED: Front End Engineering Design

FID: Final Investment Decision

HFS: High-Fructose Syrup

JV: Joint-Venture

MEG: Mono-Ethylene Glycol

MF: Methylfurfural

ML: Methyl Levulinate

MTA: Million Metric Tons Annually

NPV: Net Present Value

PEF: Polyethylene Furanoate

PET: Polyethylene Terephthalate

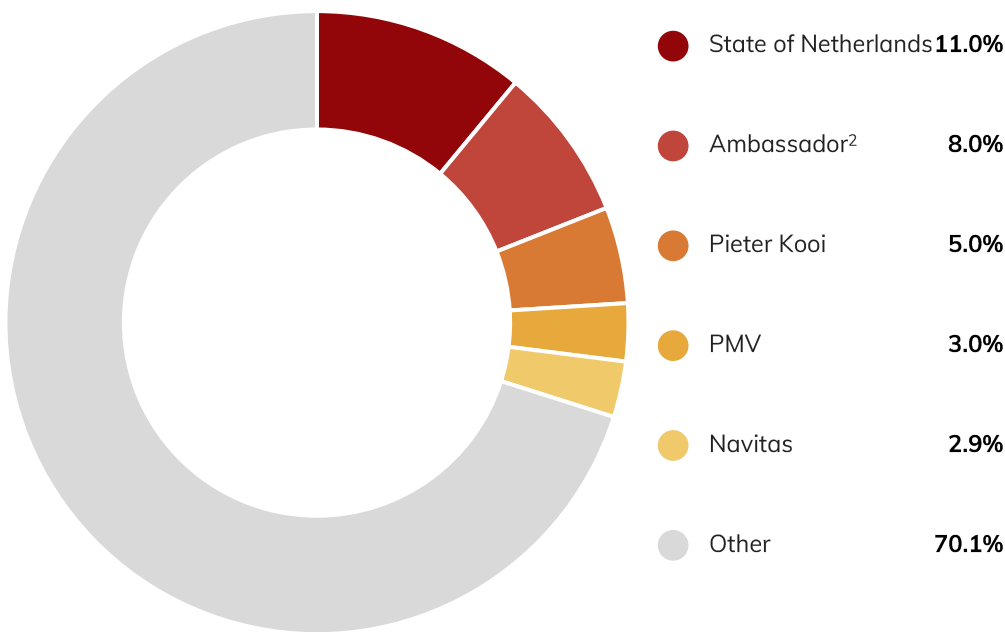
PTA: Purified Terephthalic Acid

RDS: R&D Services

TAM: Total Addressable Market

Capital market snapshot

Shareholding structure¹

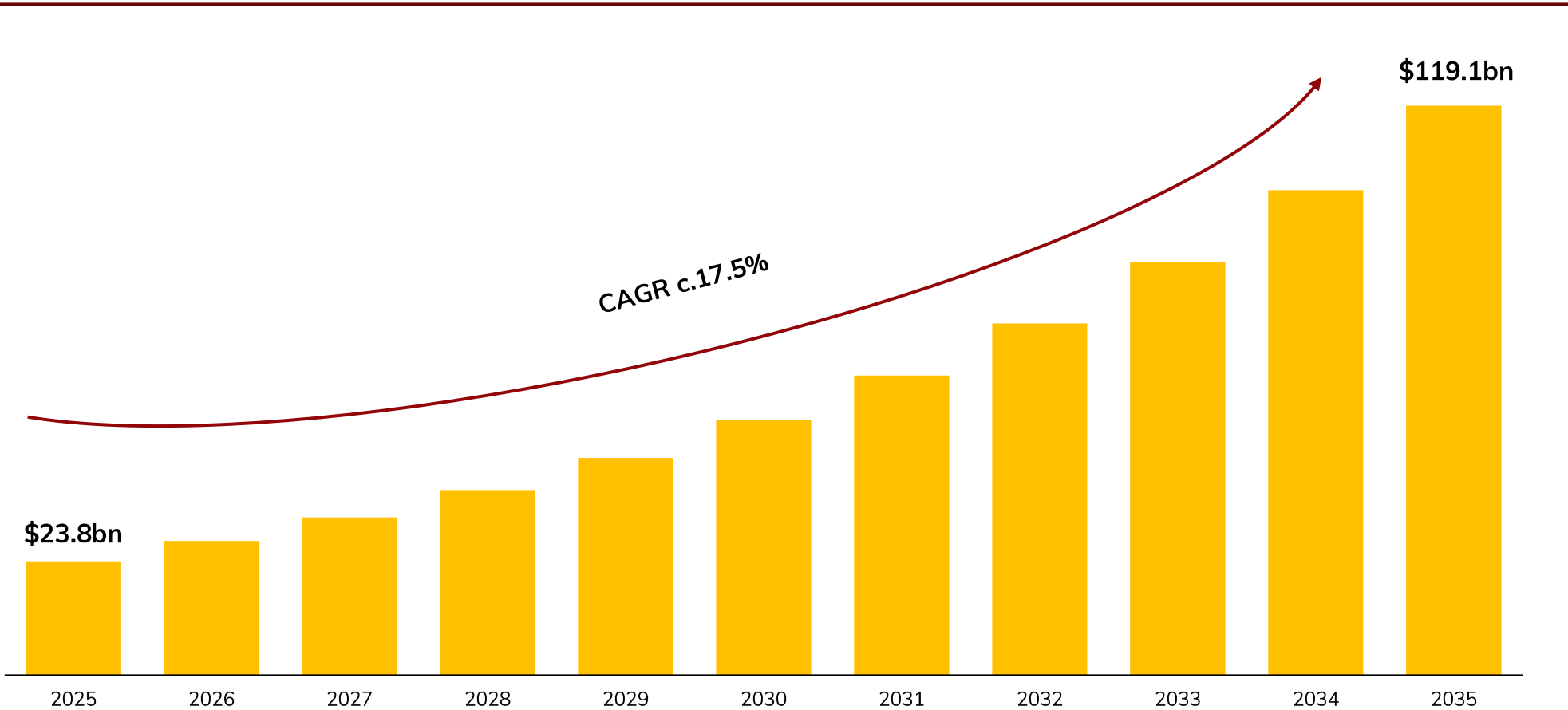


Share Capital

Shares Outstanding	25,206,719
Dilutive Instruments ³	1,826,216
Stock Exchange	Euronext Amsterdam · Brussels
Ticker	AVTX

Global bioplastics market: significant growth ahead

Global bioplastics market size, 2025-2035 (USD bn)



5x
Bioplastics
market growth
by 2035

<1%
Plastics Market
supplied by
bioplastics
today

#1
Packaging -
Largest
application for
bioplastics in
2025



EU policy is shifting decisively towards bio-based materials

2026 - 2027

SCALE-UP PRODUCTION

Industrial Accelerator Act

- Supports European industrial scale-up through Made-in-EU preferences, faster permitting and incentives for low-carbon production routes (incl. biomass, recycling or CCU)

Biotech Act II — technology pillar

- Faster permitting
- Support for industrial scale-up

2026 - 2028

CREATE LEAD MARKETS

Packaging and Packaging Waste Regulation (PPWR)

- 2028 review may introduce bio-based feedstock requirements

Biotech Act II lead markets

- Bio-based plastics designated as a lead market

2027 - 2032

EXPAND MARKET INCENTIVES

Circular Economy Act (CEA)

- Potential Extended Producer Responsibility (EPR) advantages for bio-based materials

Ecodesign for Sustainable Products (ESPR) – (from 2027)

- Supports adoption of sustainable and circular materials across value chains

Funding follows policy: proposed EU funding programs increasingly prioritize the bioeconomy and industrial scale-up

PEF outperforms other sustainable polymers



Combines all characteristics of a viable sustainable polymer

- ✓ **Renewable feedstock**
Bio-based polymers reduce GHG emissions
- ✓ **Gas barrier**
High gas barrier extends shelf life and unlocks mono-material packaging
- ✓ **Recyclability**
High (mono & multi-material) - Recyclability through existing infrastructure
- ✓ **Degradability**
Medium-Low
Degradability in industrial & natural environment

Comparison with other sustainable polymers

	rPET	bioPET	PBS	PHA	PLA
Renewable feedstock	● Fossil-based	● 70% fossil-based	● Bio-based	● Bio-based	● Bio-based
Gas barrier	● Medium	● Medium	● Low	● Low	● Low
Recyclability	● High (mono-material)	● High (mono-material)	● Low	● Low	● Low
Degradability	● Very Low	● Very Low	● High	● High	● Medium

● Strong
● Medium
● Medium-low
● Weak / Low

FDCA – feedstock flexibility



STARCH · GEN 1



WOOD CHIPS · GEN 2



TEXTILE WASTE · GEN 2

- ▶ FDCA Flagship Plant uses Gen 1 feedstock: starch – an abundant co-product
- ▶ Regionally and commercially available
- ▶ Sugar surplus, no competition with food supply

- ▶ Feedstock availability crucial for effective global licensing strategy
- ▶ Avantium's Dawn Technology develops strategic diversifying feedstock options
- ▶ Recent breakthrough in polycotton textile waste recycling

Releaf® | The next generation polymer, with superior performance benefits¹

Superb barrier properties



**10x
better
oxygen barrier**



**Circular,
enhanced
recyclability,
100% plant-
based**



**Up to 88%
GHG emissions
reduction**



**15x
better
CO₂ barrier**



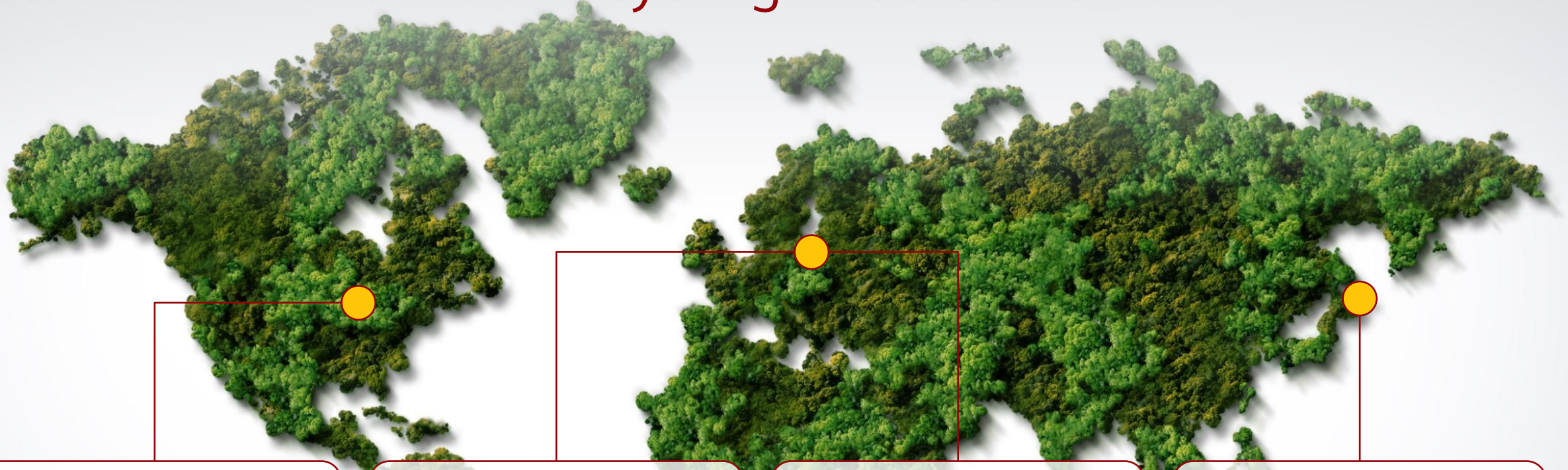
**Food waste reduction:
Up to 5-6 times longer
shelf life**



**>20%
weight reduction**



Status of Worldwide Recycling Endorsements for PEF



Critical Guidance
Recognition for 10% PEF
layer in PET bottle



Interim endorsement
monolayer (2% MP*) and
10% multilayer (5% MP*)

RecyClass



Technology approval, 10%
multilayer fully compatible
with PET recycling



PETボトルリサイクル推進協議会

CPBR approval 10% PEF
multilayer in PET bottle

Avantium owns the necessary IP for production and licensing of FDCA and its high value applications



IP across all businesses

100+

patent families¹

748

patent rights

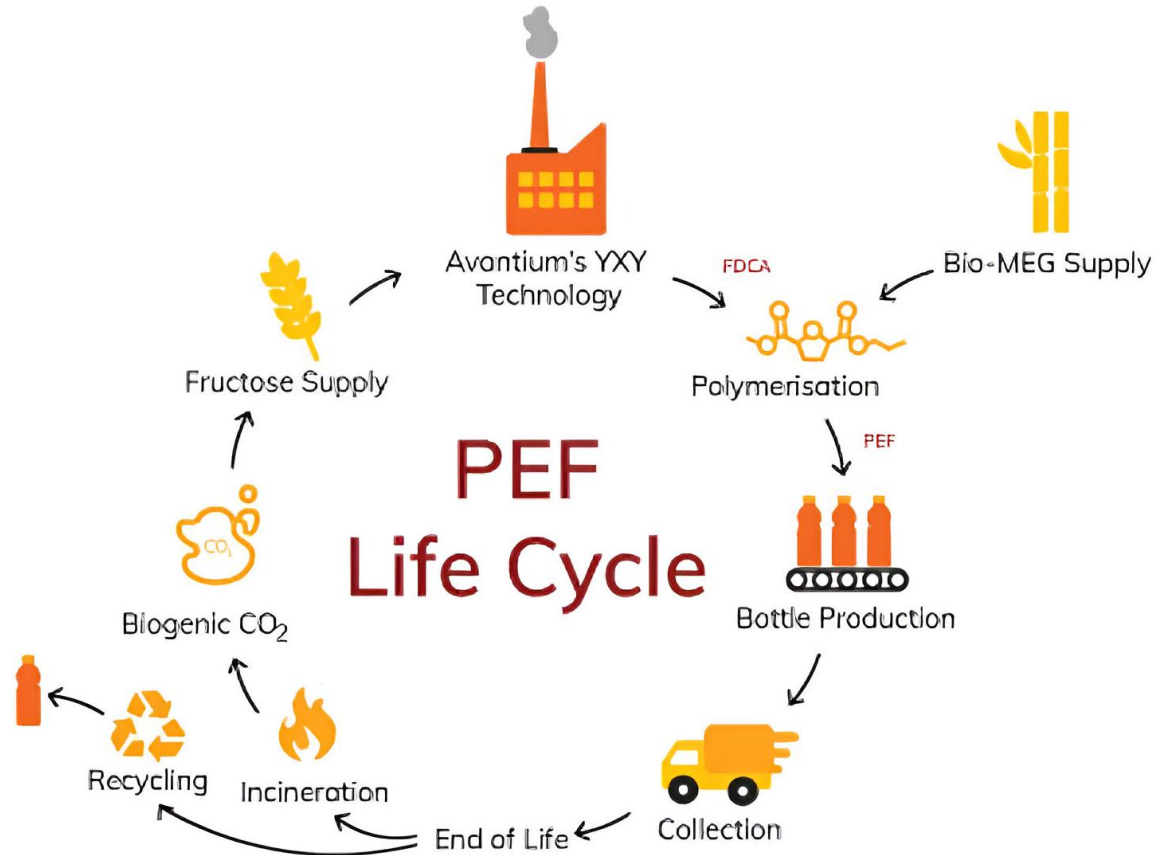
69 / 555

FDCA&PEF families / rights and applications

- Avantium actively manages its IP portfolio including regular review of third-party patent positions
- Avantium has a dedicated team of in-house patent attorneys

Understanding the sustainability benefits

PEF life cycle



Why LCA matters

Life Cycle Assessment (LCA) is fundamental to understanding how Avantium's technologies compete with fossil-based alternatives, as well as the potential sustainability benefits of our technologies. LCA is the most recognized method to quantitatively assess potential environmental impacts of products, services or processes.

88% reduction in GHG emissions over the life cycle of a 500 ml PET bottle
ISO-certified, third-party peer-reviewed LCAs

ESG ratings



Avantium was awarded a Silver Medal by EcoVadis, after a thorough audit of our performance in four categories: environment, labor and human rights, ethics, and sustainable procurement



Sustainalytics recognized Avantium as having medium risk for material financial impacts driven by ESG factors

Supporting LCA reports

► [Releaf® \(PEF\) LCA Applications 500ml bottle \(2026\)](#)

Thank you!