



Avantium Full Year 2024 Results

19 March 2025

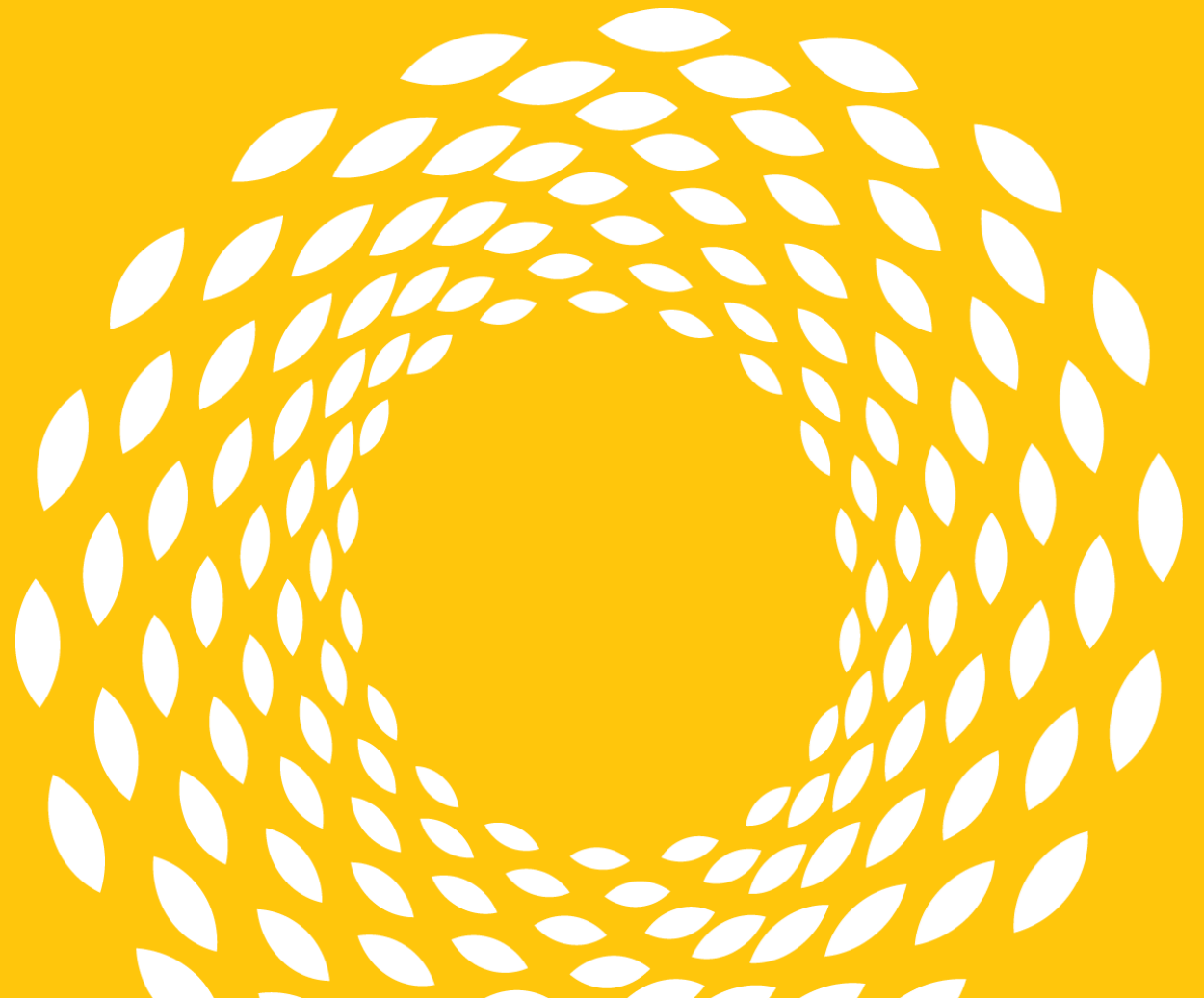
Disclaimer

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.

Full Year 2024 Results



Highlights



Project execution

Anticipated sales under
the offtake agreements
in H2 2025



Commercialization

Creating the right
conditions for
future licensees

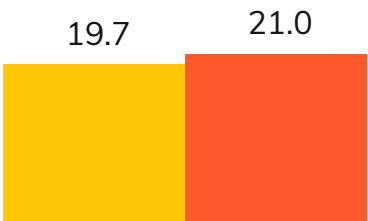


Strategic innovation

Groundbreaking
polycotton textile
waste technology

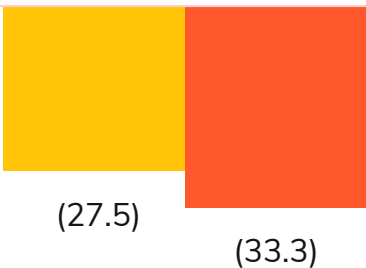
Financial highlights FY 2024 (€ millions)

Revenues



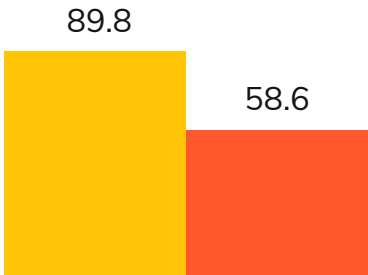
■ 2023 ■ 2024

EBITDA



■ 2023 ■ 2024

Investments



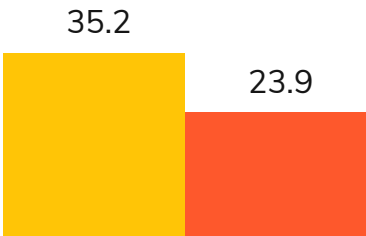
■ 2023 ■ 2024

Other income (grants)



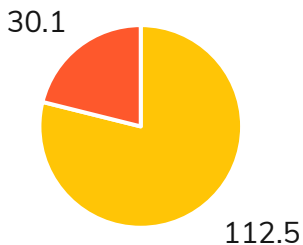
■ 2023 ■ 2024

Cash position



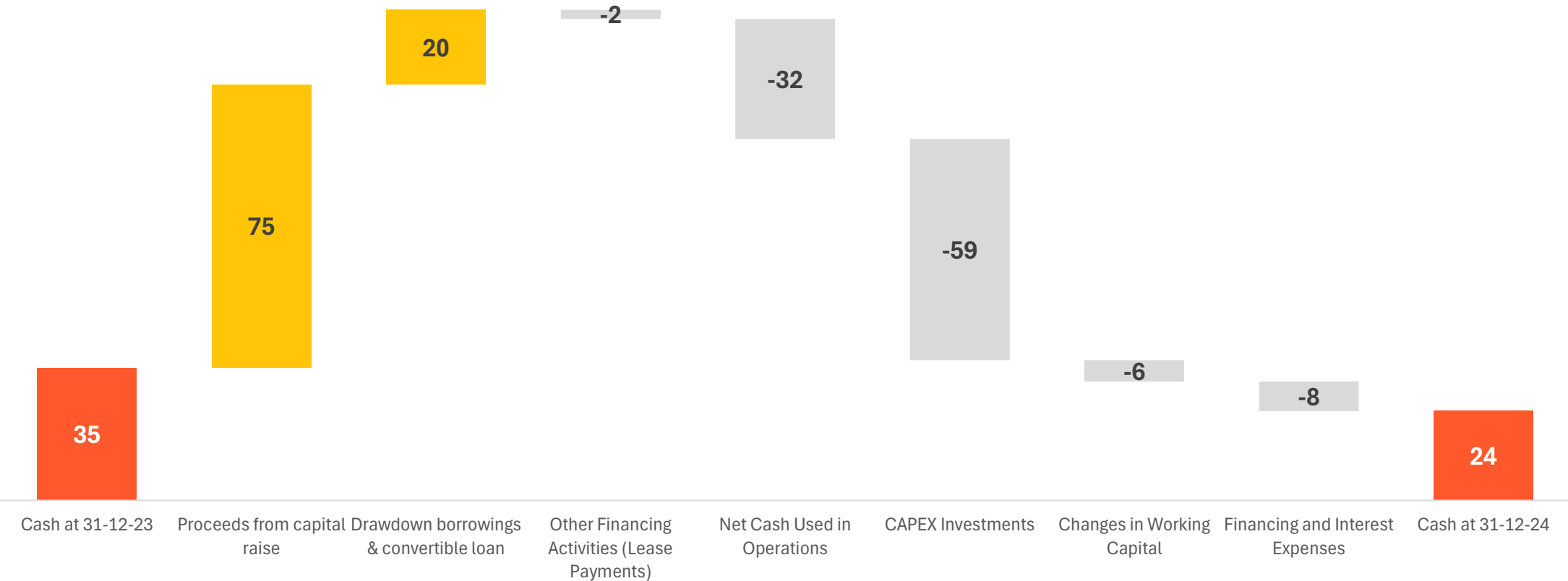
■ 2023 ■ 2024

Borrowings



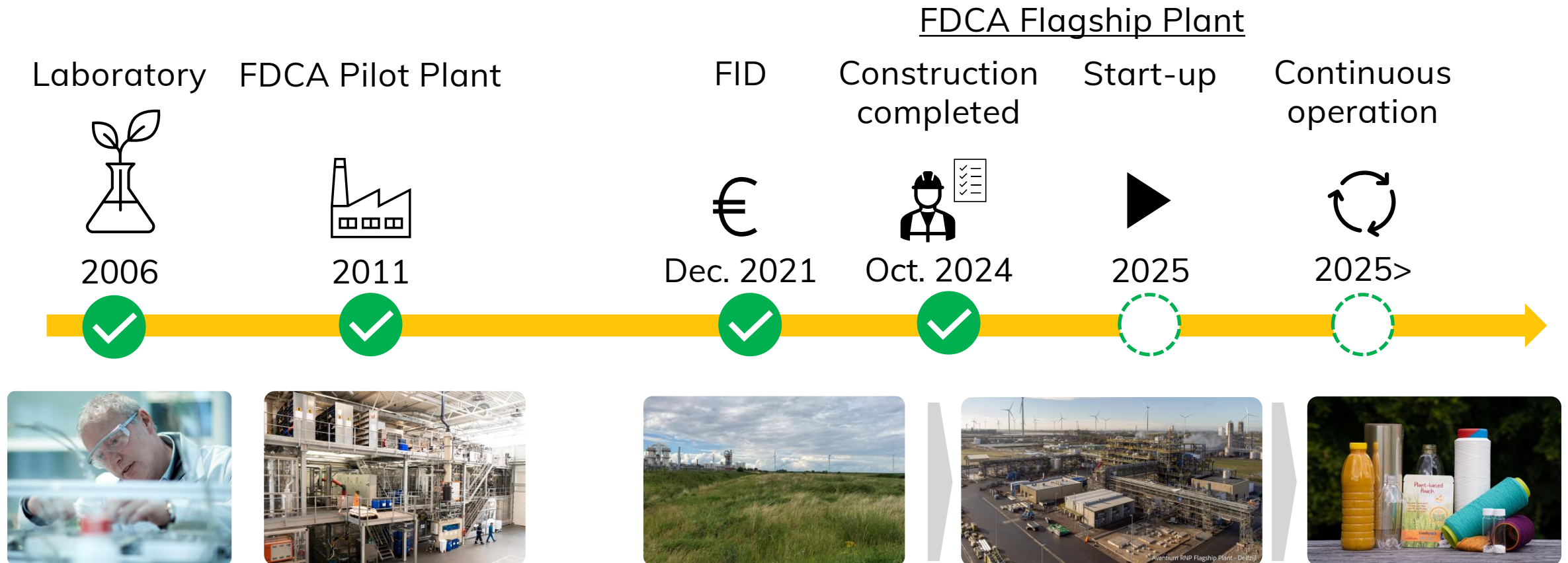
■ Drawn ■ Undrawn

Cash flows 2024 (€ millions)



Project execution: FDCA Flagship Plant

A journey of almost two decades...





The FDCA Flagship Plant

- First-of-a-kind plant
- Enabling sales of FDCA & PEF at commercial scale
- Proving technology at 5kta scale
- Located in Delfzijl, The Netherlands
- Recruited operations team of 70 people
- Critical for a successful licensing strategy



Starting up the FDCA Flagship Plant

2021



FID

2022-2024



Construction phase



Start-up phase



Sugar Dehydration



Oxidation



FDCA Purification

H1
2025



Polymerization to PEF

H2
2025



Performance testing & regulatory validation



Sales of first FDCA and PEF to clients



First unloading of High Fructose Syrup – February 2025



avantium

Full Year 2024 Results

Note: reflects anticipated timeline

Commercializing releaf®



Full Year 2024 Results

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

Superb
barrier
properties



10x
better
oxygen
barrier



Circular, enhanced recyclability,
100% plant-based

8x
better
CO₂ barrier

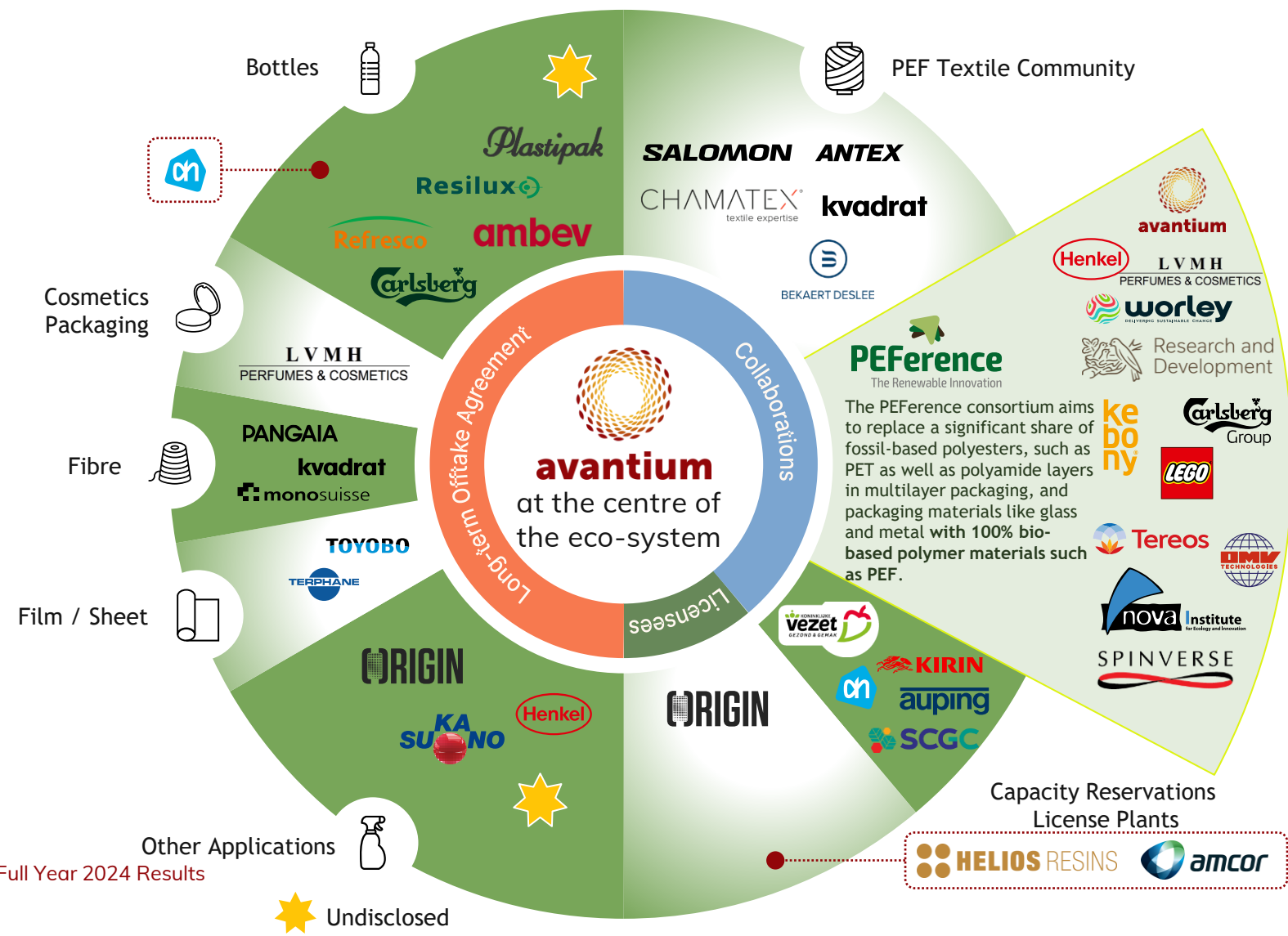


Food waste reduction:
Up to 5-6 times longer shelf life



Up to
20%
weight reduction

Commitments from leading brands



16

Offtake Agreements

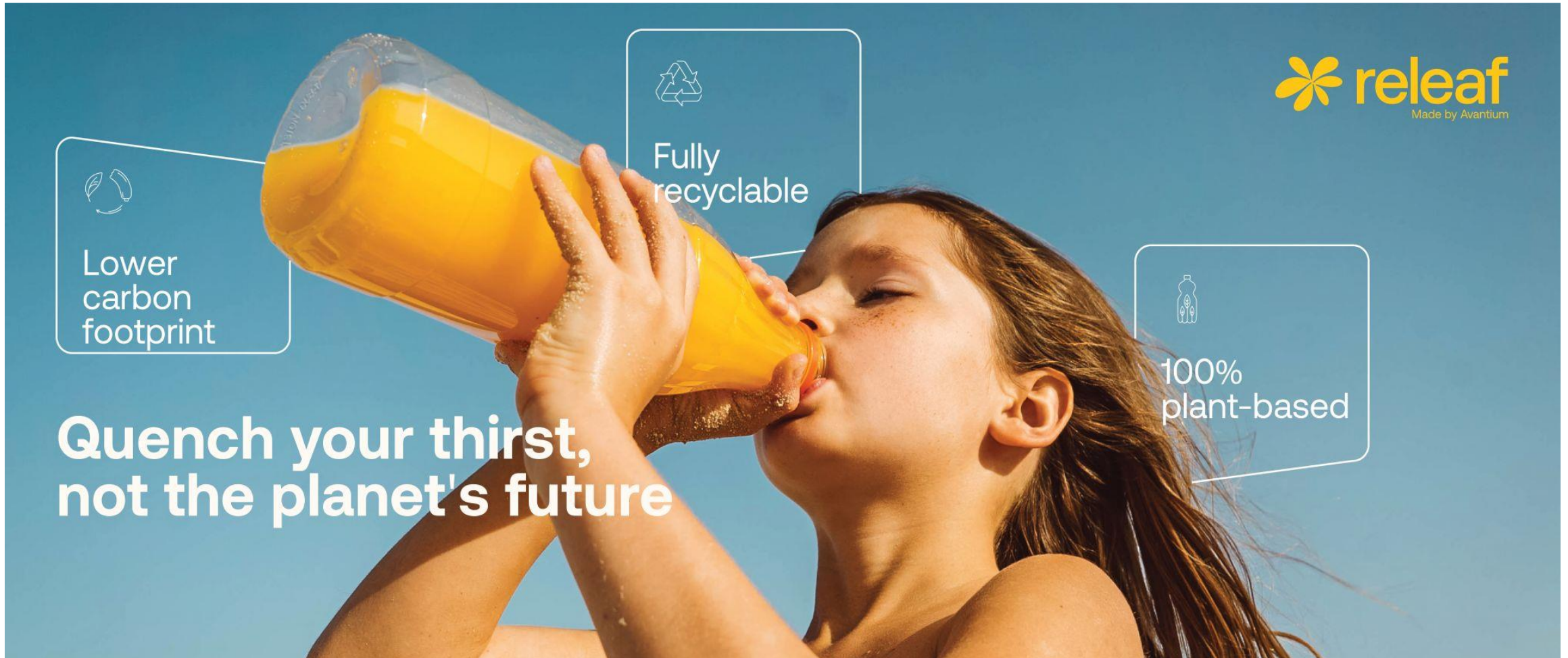
2

Capacity Reservations Future Plants

1

Technology License Agreement

Releaf® | Engaging brands and consumers



The future: from pilot and flagship plant to license plants



Pilot Plant



Flagship Plant



Potential License Plants



2011

2024

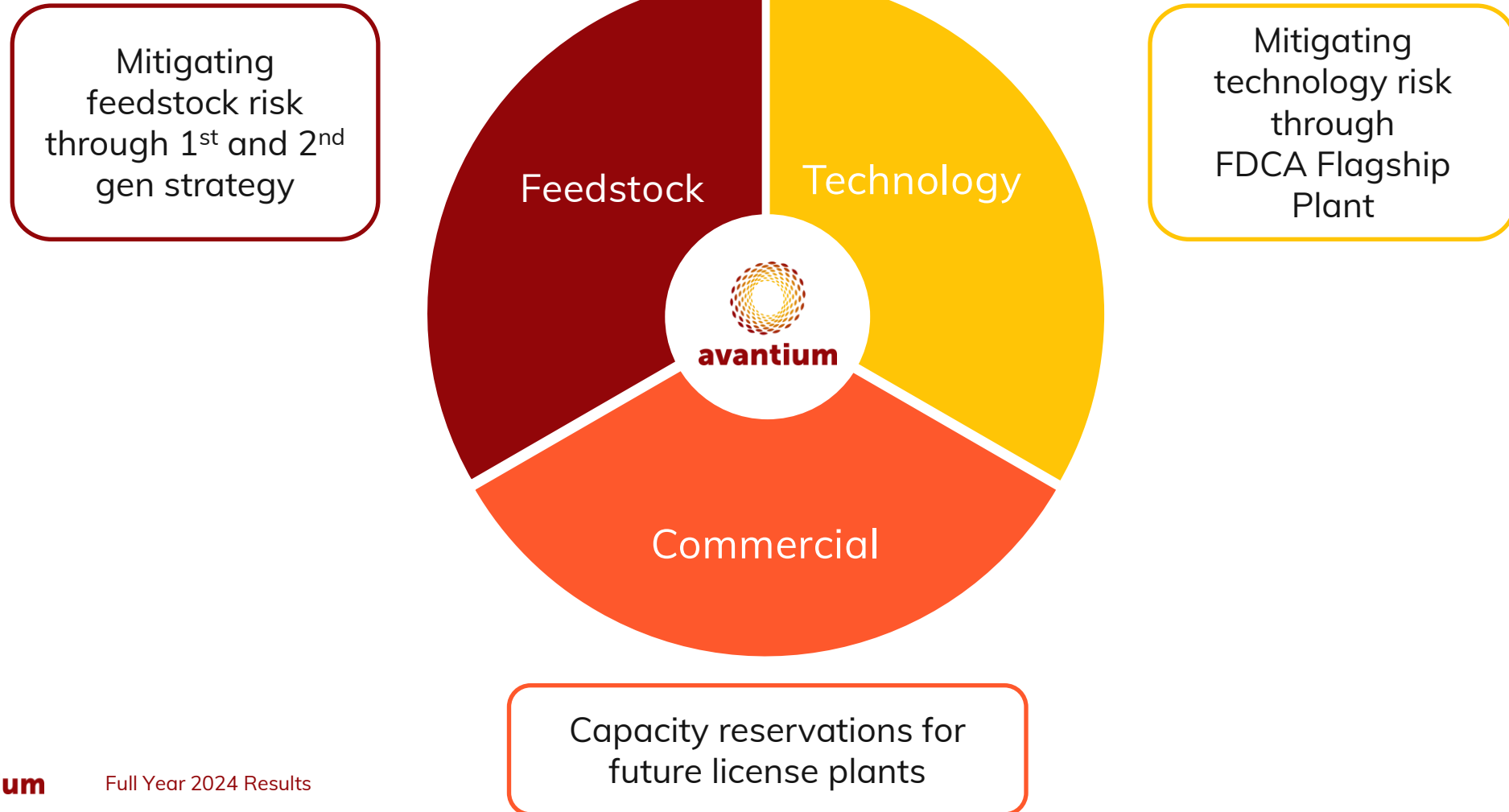
2025>



avantium

Full Year 2024 Results

Optimizing licensing strategy through the supply chain



FDCA – feedstock agnostic, utilising Gen 1 and 2 feedstocks

1st Generation Feedstock



Glucose/fructose from starch

- FDCA Flagship Plant is using Gen 1 feedstock: starch – an abundant & low value co-product
- Regionally & commercially available
- Sugar surplus, no competition with food supply

2nd Generation Feedstock Innovations



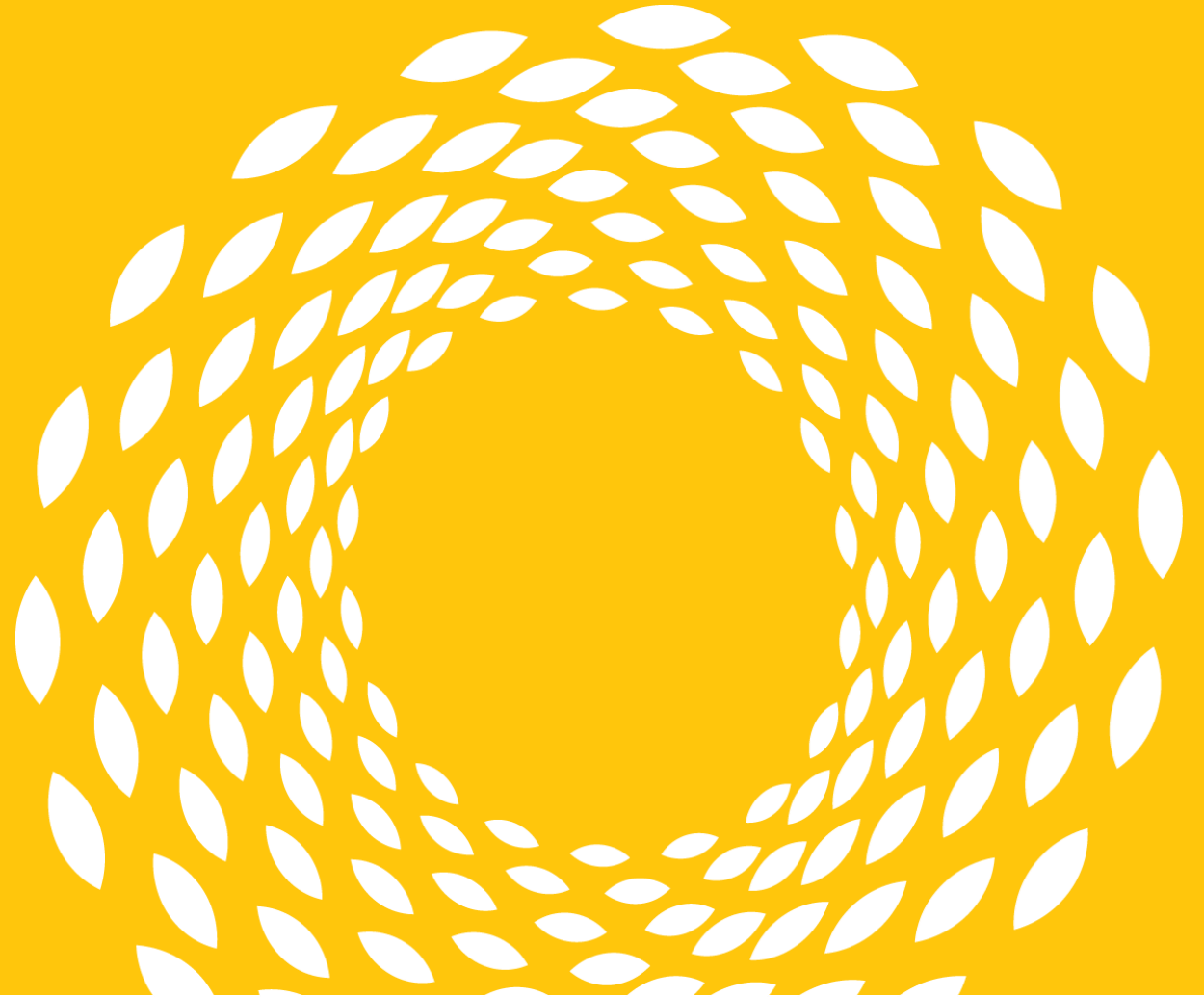
Textile waste



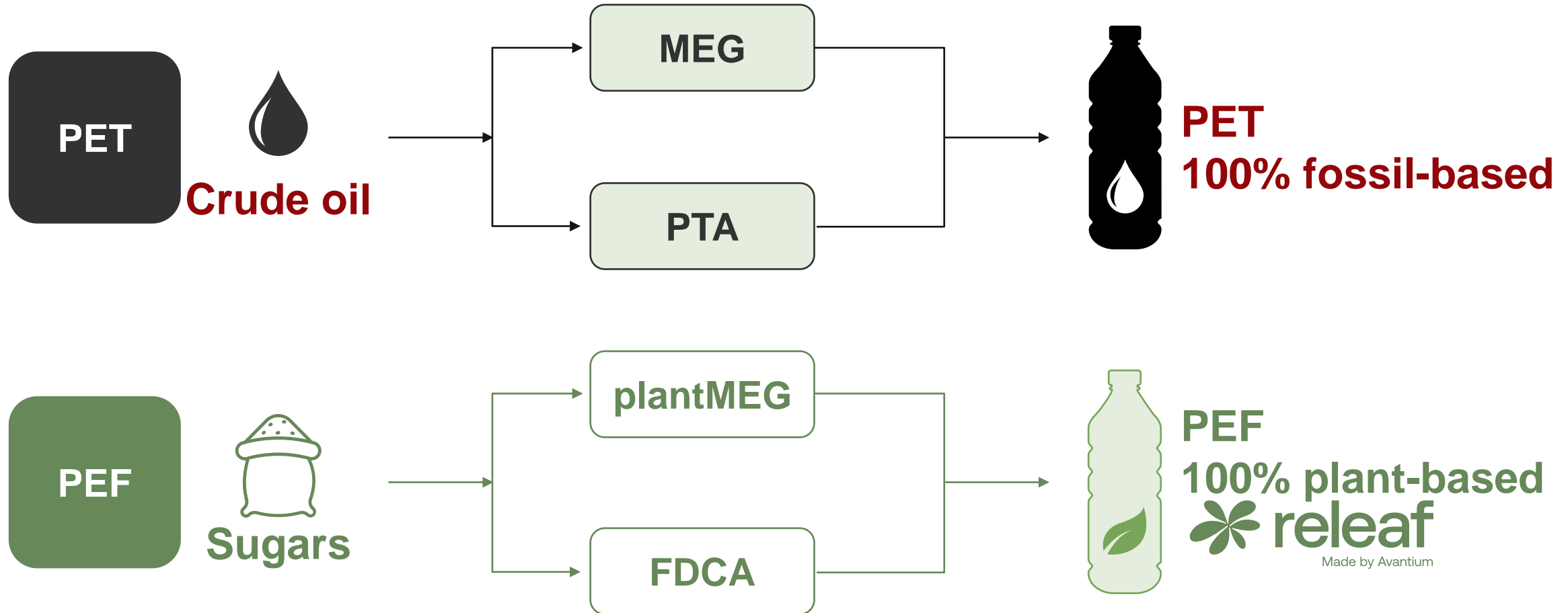
Wood chips

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

Appendix: FDCA & PEF



PEF: made from our focus product FDCA



PEF can be used in a very broad range of applications

Bottles



Beer, Juices,
Waters, Soft Drinks

Competing materials: Glass,
Aluminium, PET, Multi-layer

>50 million ton/year¹



Fibers



Textile, Upholstery, Car
Tires, Industrial Fibers

Competing materials: PET, Nylon,
Cotton

>40 million ton/year¹



Films & More



Food Packaging,
Non-Food Packaging

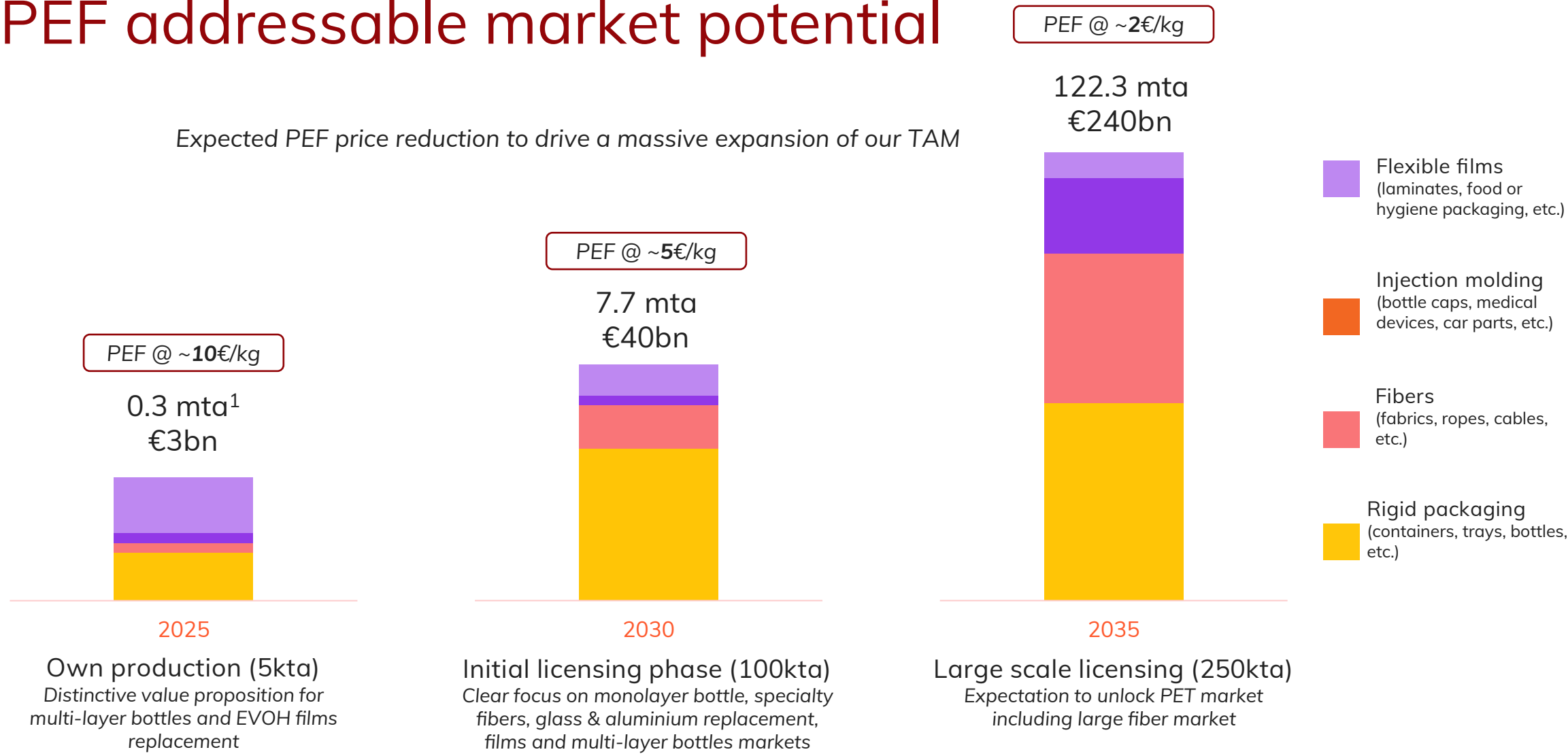
Competing materials: Glass,
Aluminium, PET, Multi-layer

>25 million ton/year¹



Notes: (1) estimated volume reflects Total Addressable Market (TAM) in 2035
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 addressable market potential



Full Year 2024 Results

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
€0.13 = ~13% of end price



Aluminium Can
33cl – 13g
Alu material cost¹
€0.03 = ~4% of end price

250kta

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



PEF Bottle
50cl – 17.5g
PEF material cost²
€0.044 = ~3.7% of end price



rPET Bottle
50cl – 22g
rPET material cost²
€0.055 = ~4.6% of end price



PET Bottle
50cl – 22g
PET material cost²
€0.037 = ~3.1% of end price

PEF reducing Global Warming Potential

↓ 88% vs. glass

↓ 74% vs. aluminium

↓ 61% vs. PET



avantium

Full Year 2024 Results

Notes: (1) a 33cl bottle made with PEF at €5.0/kg sold at €1.00, a 33cl glass bottle sold at €1.00 and a 33cl aluminium can sold at €0.67; (2) Assuming PEF at €2.5/kg, rPET at €2.5/kg and PET at €1.7/kg, and a 50cl sold at €1.20. Sources: enzymatic rPET, Company's estimates; Glass, Food grade rPET & PET prices, BusinessAnalytIQ.com, average Europe & USA Aug.22-Aug.23; Aluminium prices, markets.businessinsider, average Aug.22-Aug.23, NAPCOR, Beverage Container LCA Report 2023, 2023; Nova Institute

Website:
avantium.com/investor-relations-overview/

IR contact:
investorrelations@avantium.com

