Metsä

Metsä Board

Investor presentation 2024

January-December 2024

TOCOLAL

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Investment highlights



Premium fresh fibre paperboards

- Recyclable and lightweight paperboards from renewable raw materials
- Packaging materials providing an alternative to plastics

A leading position in a growing market

- Metsä Board is #1 producer in folding boxboard and white kraftliners in Europe
- #1 in coated white kraftliners globally

Strong focus on sustainability

- Fossil free production and products by the end of 2030
- Resource efficiency and reduced carbon footprint of packaging



Investments in sustainable and profitable growth

- Recently completed large-scale growth investments
- Planned investments to improve competitiveness and sustainability, and develop new products

Metsä Board is part of Metsä Group

Group structure ensures high availability of Nordic fibres and pulps



Metsä Board is part of Metsä Group

Metsä Group's interest is to increase the value of the forest of owner-members by processing wood into valuable and sustainable end-products

All figures based on FY2024

		METSÄ GROU	P Sales EUR 5.7 billion \mid O	perating margin: 3.5%	
Parent company: METSÄLIITTO COOPERATIVE owned by over 90,000 Finnish forest-owners					
METSÄ FOREST	METSÄ WOOD	METSÄ FIBRE	METSÄ BOARD	METSÄ TISSUE	
WOOD SUPPLY AND FOREST SERVICES	WOOD PRODUCTS	PULP AND SAWN TIMBER	PAPERBOARD	TISSUE AND GREASEPROOF PAPERS	
Sales EUR 2.4 bn Personnel 700	Sales EUR 0.6 bn Personnel 1,700	Sales EUR 2.3 bn Personnel 1,500	Sales EUR 1.9 bn Personnel 2,300	Sales EUR 1.2 bn Personnel 2,600	
Holding: Metsäliitto Cooperative 100%	Holding: Metsäliitto Cooperative 100%	Holding: Metsäliitto Cooperative 50.1% Itochu Corporation 25.0% Metsä Board 24.9%	Holding: Listed in Nasdaq Helsinki Metsäliitto Cooperative 52%	Holding: Metsäliitto Cooperative 100%	

METSÄ SPRING INNOVATION COMPANY



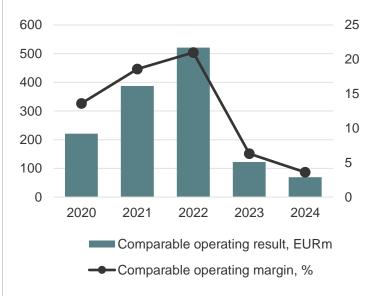
Metsä Spring invests and supports potential sustainable innovations and technologies that find new purposes and higher value for Nordic wood

Company in figures

Split by product Split by region Other APAC operations 6 % Market 4 % pulp 14 % Americas 27 % Folding White boxboard **EMEA** kraftliners 57 % 67 % 25 % Paperboard capacity Pulp and BCTMP capacity Ownership in Metsä Fibre* 2.3 million 1.7 million 24.9% tonnes/year tonnes/year secures self-sufficiency in pulp

Comparable operating result

FY2024: EUR 69 million or 3.6% of sales



Long-term customerships

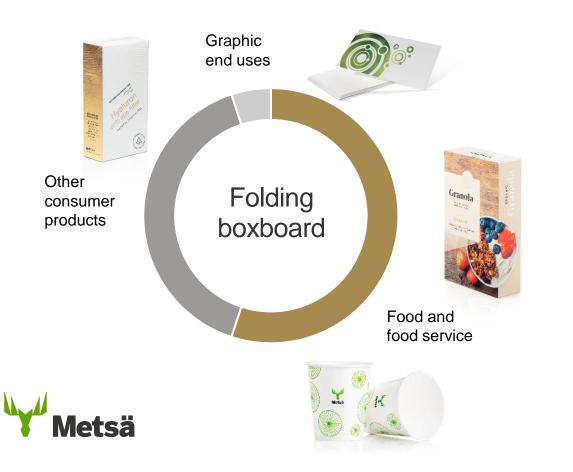
Diversified customer base in 100 countries including brand owners, converters, manufacturers of corrugated products and merchants



In 2023 paperboard capacity increased by 240,000 tonnes due to the capacity expansions in Husum and Kemi. Additional capacity is expected to be fully in the market in 2026.

Focus on premium and recyclable fresh fibre paperboards, end-uses mainly in consumer products

Metsä Board's annual capacity in FBB in 1.6 mt



Metsä Board's annual capacity in WKL in 0.7 mt - of which 2/3 is coated WKL



Source: Metsä Board's own estimate

Our main markets are Europe and North America

Regional focus on key demand drivers

Further strengthening our leading market position in EUROPE

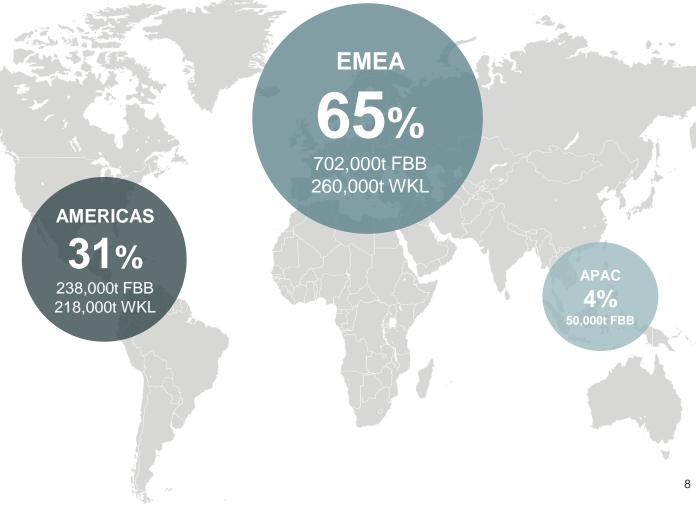
- Environmental awareness and regulatory requirements support recyclable packaging materials
- Trend towards material reduction and lightweighting favours folding boxboard
- Food safety requirements favour pure fresh fibre
 paperboards
- Weakened availability of high-quality recycled paper

Continuing growth in NORTH AMERICA

- Limited local availability of high-quality lightweight paperboards
- Growth in sustainable packaging for food and food service
- Product brand promotion and personalization in growing e-commerce

Focus on high-quality packaging in selected end use segments in APAC

 Middle class growth increases purchasing power and demand for packaged consumer goods Total paperboard deliveries in 2024 were 1.5 million tonnes (2023: 1.4mt)

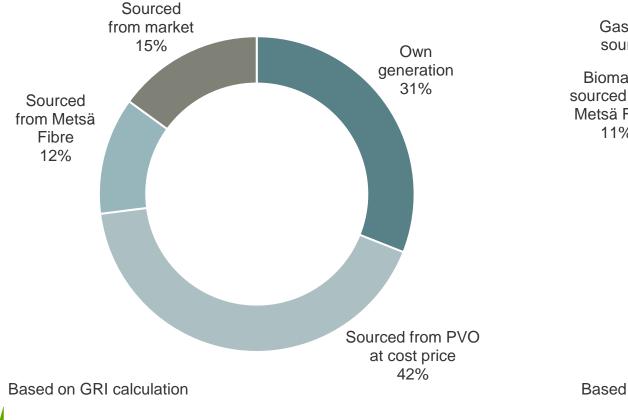


Self-sufficiency in energy is 90%

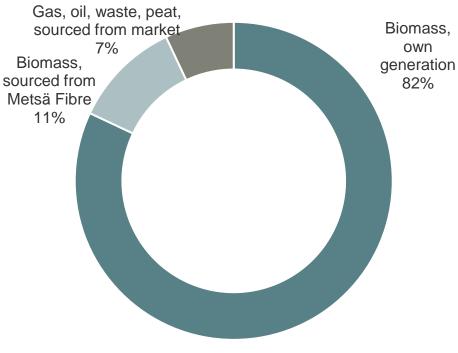
Energy consumption by sourcing method

Electricity Total 2.0 TWh

Metsä



Fuels (Heat) Total 6.4 TWh



Based on primary energy calculation

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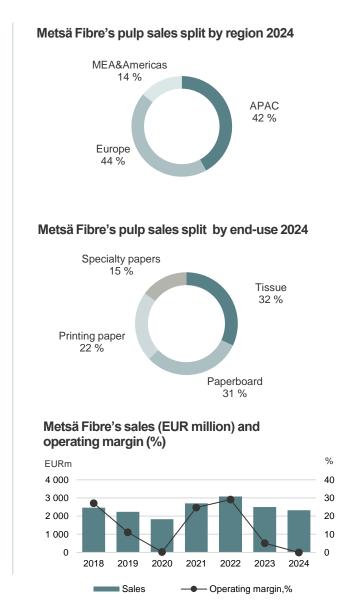
Self-sufficiency in pulp is secured through ownership of Metsä Fibre

Metsä Fibre is globally #1 producer in softwood market pulp (NBSK)

- Capacity ~4 million tonnes/year chemical pulp (80% SW, 20% HW)
- 2.1 million m³/year sawn timber (40% spruce, 60% pine)
- Self-sufficiency in electricity over 200% (total annual production capacity ~5 TWh)

Metsä Board owns 24.9% of Metsä Fibre

- Other owners Metsäliitto Cooperative 50.1% and Itochu Corporation 25.0%
- Metsä Board consolidates 24.9% of Metsä Fibre's net result into its EBITDA. The annual dividend by Metsä Fibre is typically paid at the end of Q1
- Taking into account the ownership in Metsä Fibre, +/- 10% change in market pulp price has an +/- EUR 50 million impact on Metsä Board's annual operating result





Metsä Board's production is close to the main raw material – northern wood

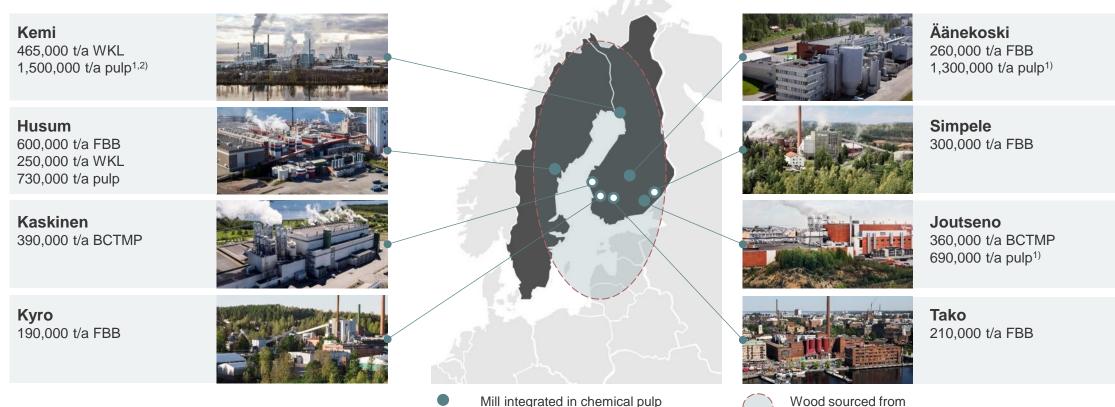
Production units and annual capacities

Total paperboard capacity:

Folding boxboard (FBB): 1,560,000 t/a White kraftliner (WKL): 715,000 t/a

Total pulp / BCTMP capacity:

BCTMP: 750,000 t/a Chemical pulp: 910,000 t/a 24.9% ownership in Metsä Fibre, total pulp capacity ~4Mt



Mill non-integrated in chemical pulp

Finland, Sweden and Baltics.

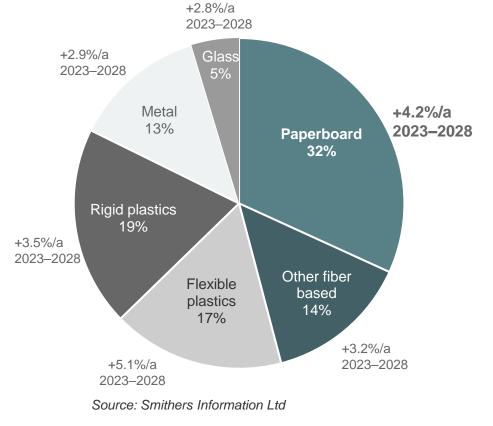


¹⁾ Metsä Fibre's mill ²⁾ Metsä Board 180,000 t/a and Metsä Fibre 1,320,000 t/a

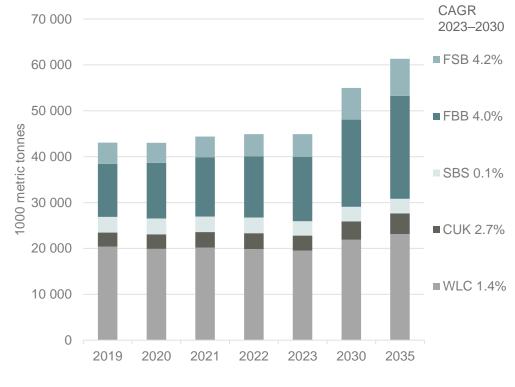
Global need for packaging is growing

Global packaging market value is USD 1.175 billion and it is growing by 3.9% per year

Paperboard is growing faster than all packaging materials on average



Folding boxboard and foodservice board have fastest growth rates of all cartonboards



Demand drivers for fresh fibre paperboards



Population growth, urbanisation and rising living standards drive packaging



Regulation and consumer preferences favour fossil-free packaging materials



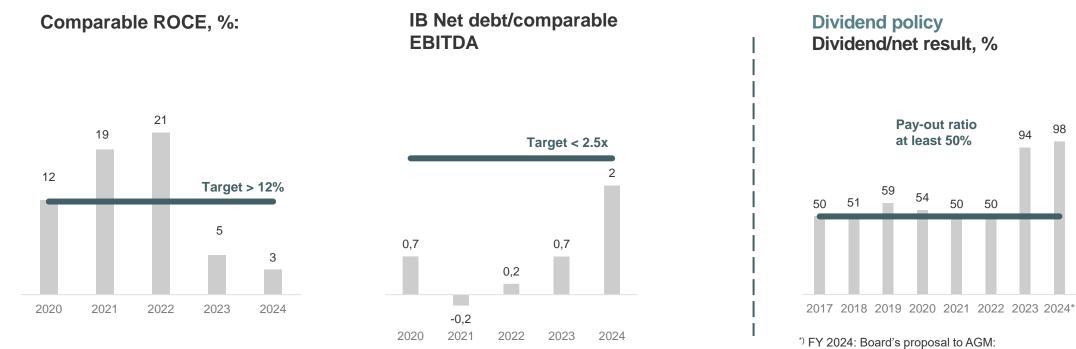
Availability and quality of recycled fibre is declining



Brandowners' commitments to reduce use of plastic



Financial targets and dividend policy



EUR 0.07/share, total dividend payment EUR 25 million

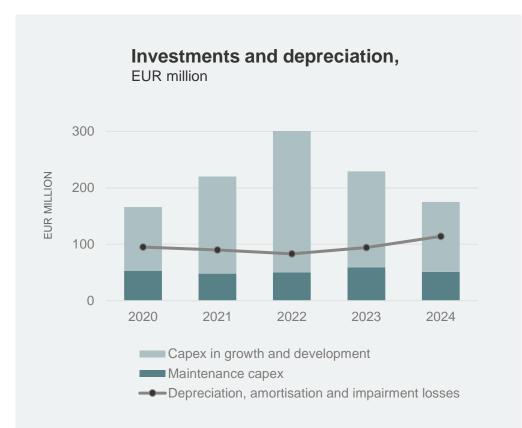


Investments

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Investments and depreciation



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Year 2024

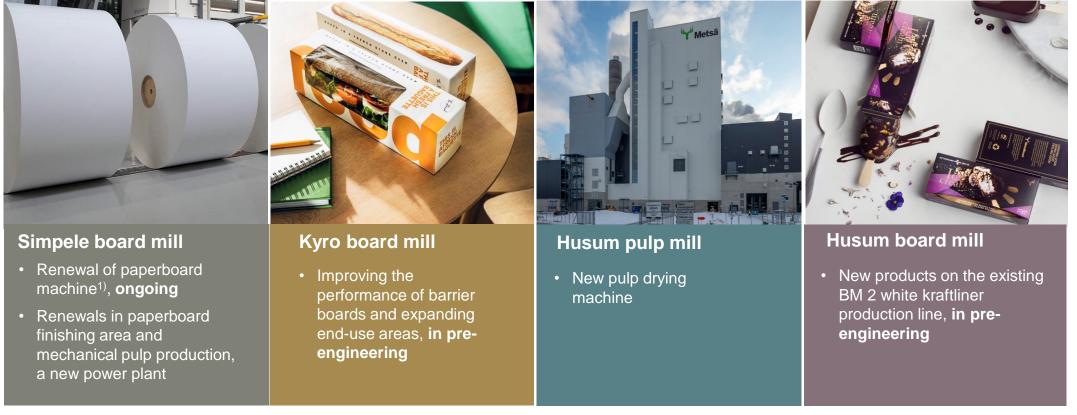
 Total investments in 2024 were EUR 175 million, and depreciation* EUR 114 million

Year 2025, estimated

• The value of 2025 total investments is expected to be in the range of 100–150 million euros

Ongoing and planned investments

Investments aim to improve the competitiveness of our mills and products and accelerate the move to fossil-free production





1) Started Q2/24, estimated completion H2/25, total value EUR 60 million

Total investment value of Simpele and Kyro board mills estimated at EUR 250 million over the next 10 years

Renewal of Simpele paperboard machine

- Investment decision made in April 2024
- Estimated completion in H2 2025
- Investment value EUR ~60 million, divided in 2024–2026
- Renewal will improve the quality of FBB, increase the annual production capacity and enable fossil free production

Simpele board mill

- After the investment, annual capacity will be 310,000 tonnes of premium lightweight folding boxboard
- Main end uses in food and pharma packaging
- Future investments in the mill include renewals in the finishing area of paperboard and in mechanical pulp production, as well as a new power plant







Completed investments in Husum and Kemi





Husum folding boxboard capacity expansion and port investments

- Increase of 200,000 t/y FBB
- Husum total capacity 600,000 t/y FBB, fully available on the market in 2026
- Investment value EUR 230 million
- Increase in port warehouse capacity, EUR 20 million

Kemi mill development programme

- Increase of 40,000 t/y coated WKL
- Kemi total capacity 465,000 t/y coated WKL, fully available on the market in 2025
- Decreased water and energy use
- Included a purchase of modernised pulp production line from Metsä Fibre
- Investment value EUR 110 million

Metsä Fibre's bioproduct mill in Kemi

- New mill started in 2023
 - Annual pulp capacity: 1,020kt SW, 300kt HW and 180kt* unbleached pulp
 - Full production capacity to be reached in 2025
 - Annual pulpwood consumption 7.6 m³
 - Self-sufficiency in electricity 250%, annual maximum capacity 2,000GWh
- Investment value EUR 2.02 billion

Metsä

- Metsä Board has not invested equity to finance the project
- Gas explosion at the mill in March 2024
 - Led to a long shutdown in Q2 2024
 - Damaged units will be replaced with new units in summer 2025 (additional 1 month shutdown)



* Owned by Metsä Board, pulp entirely used in Metsä Board's kraftliner production in Kemi

Cost structure and profit drivers

Metsä

Cost structure

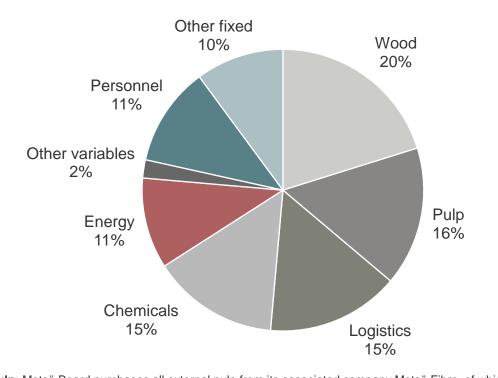
Year 2024

- Total costs EUR 1.8 billion (1.7)
- Total cost deflation, excluding pulp, 1%
- Decreased chemical and energy costs, increased wood, logistics and fixed costs

wood price development on slide 32

^{*)} **Pulp:** Metsä Board purchases all external pulp from its associated company Metsä Fibre, of which Metsä Board owns 24.9%. Metsä Fibre's pulp cost structure in 2024: Wood 57%, Chemicals 11%, Logistics 9%, Energy 5%, Personnel and other fixed 17%.

Metsä Board's cost structure in 2024 Total costs EUR 1.8 billion (1.7)



Metsä

Main profit drivers and sensitivities

Component	Unit	Change	Impact on EBIT, approximately
Folding boxboard	Price / tonne	+/- 10%	>EUR 120 million
White kraftliners	Price / tonne	+/- 10%	>EUR 50 million
FX	USD/EUR	+/- 10%	EUR 85 million
	SEK/EUR	+/- 10%	EUR 55 million
Pulp*	PIX price of SW/HW per tonne	+/- 10%	EUR 50 million
Wood*	Cost, delivered to Finnish mills	+/- 10%	EUR 50 million
	Cost, delivered to Husum	+/- 10%	EUR 20 million

*) sensitivities take into account Metsä Board's 24.9% stake in Metsä Fibre



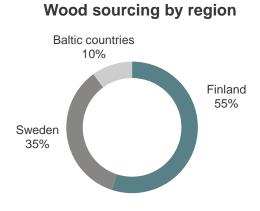
Wood is Metsä Board's main raw material

Wood usage

- In 2024, Metsä Board used¹⁾ 6.8 million m3 wood for its products, of which 92% was certified (PEFC, FSC®)
- Wood¹⁾ represents roughly 30% of Metsä Board's total costs

Wood supply

- Metsä Group is responsible for Metsä Board's wood sourcing
- Metsä Group's total annual wood sourcing is ~30 million m³
- Majority of wood sourced in Finland comes from the owner members of Metsäliitto Cooperative, roughly 90,000 private forest owners
- In Sweden Metsä Board has a long-term wood supply agreement with Norra Skog, a co-owner with a 30% stake in the Husum pulp mill





¹⁾ Includes Metsä Board's own wood use for pulp/BCTMP as well as the wood used in pulp that Metsä Board buys from Metsä Fibre. PEFC/02–31–92 FSC®-C001580



Impacts of FX

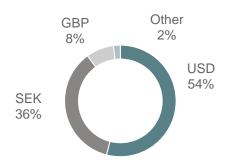
- Impact including hedges, actual
 - Q4 2024 vs Q4 2023: EUR 2 million
 - FY 2024 vs FY 2023: EUR 5 million
- Estimated impacts, including hedges
 - Q1 2025 vs Q4 2024: slightly positive
 - Q1 2025 vs Q1 2024: slightly positive

Hedging policy:

In addition to the balance sheet position of trade receivables and trade payables, 50% of the projected annual net foreign currency exposure at the normal level is hedged.

At the end of the review period, an average of 7.9 months of the net foreign currency exposure was hedged.

Annual FX transaction exposure total EUR 1.6 billion



The foreign currency transaction exposure consists of foreign-currency-denominated sales and costs.

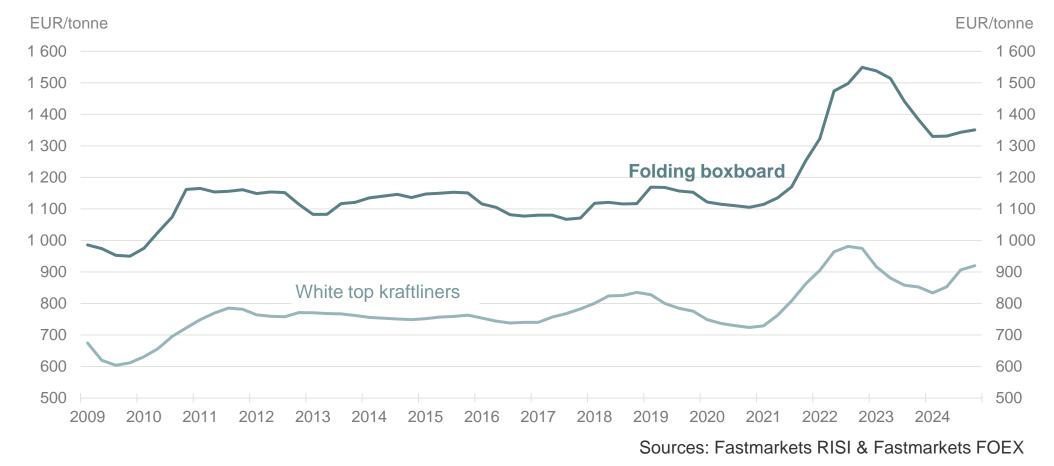
FX sensitivities, excluding hedges

A 10% strengthening of foreign currency vs EUR would have an impact on Metsä Board's EBIT

Currency	Next 12 months
USD, \$	EUR 85 million
SEK, kr	EUR 55 million
GBP, £	EUR 15 million



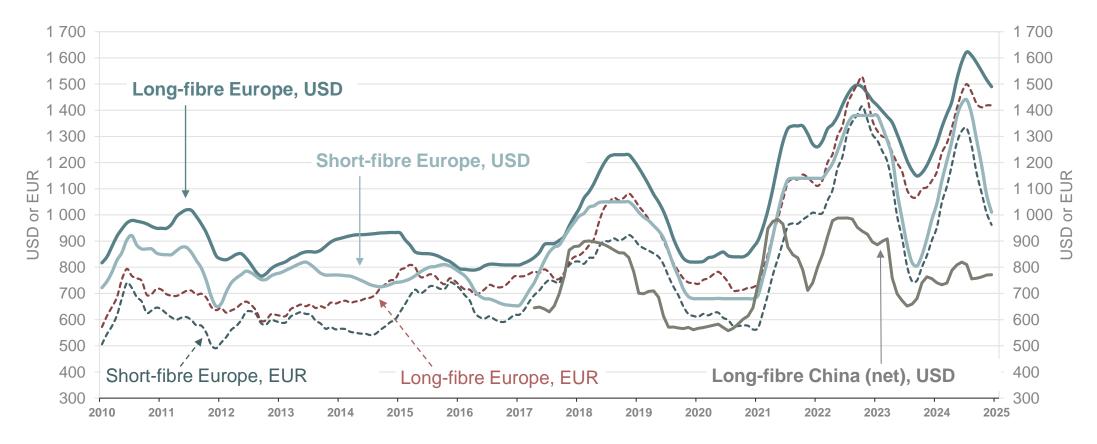
Price development of folding boxboard and white kraftliners in Europe





Price development of pulp (PIX)

Long-fibre (SW) and short-fibre (HW) pulp

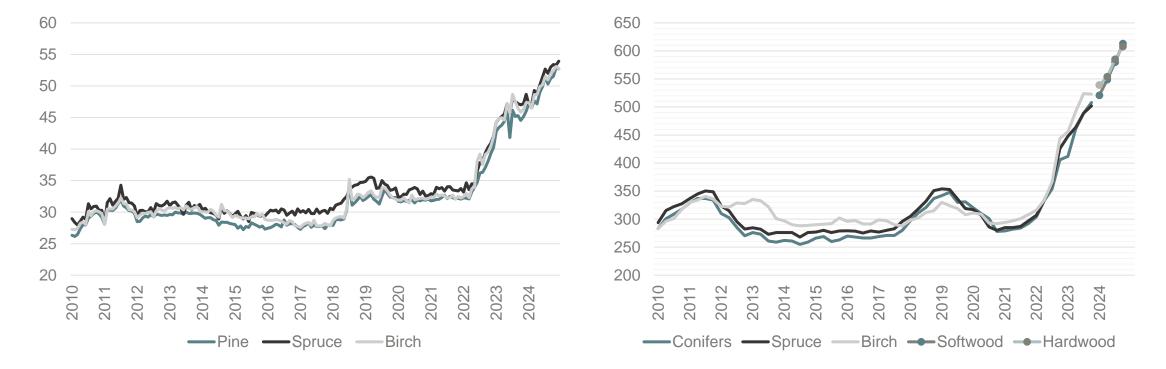




Source: Fastmarkets Foex

Price development of pulpwood in Finland and Sweden

Price (delivery at roadside, on bark) of pulpwood in Finland, EUR/m3



Price (delivery at roadside, under bark) of pulpwood in Sweden, SEK/m³

Sources:

Metsä

<u>Finland</u> – Luke (Natural Resources Institute Finland): Average delivery prices at roadside (EUR per solid cubic metre with bark, excl. VAT) Sweden – Skogsstyrelsen (The Swedish Forest Agency): Average delivery prices at roadside (SEK per cubic metre under bark)

FX rates development: EUR/USD and EUR/SEK

EUR/USD

EUR/SEK



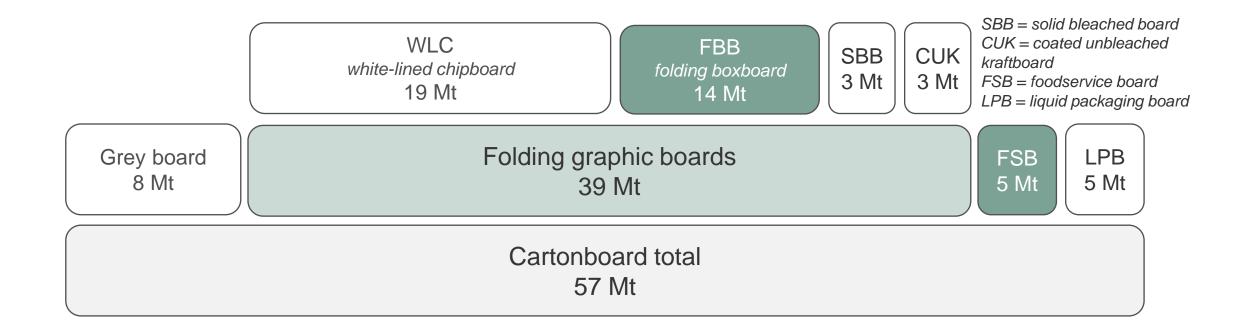




Operating environment and impacts from regulation

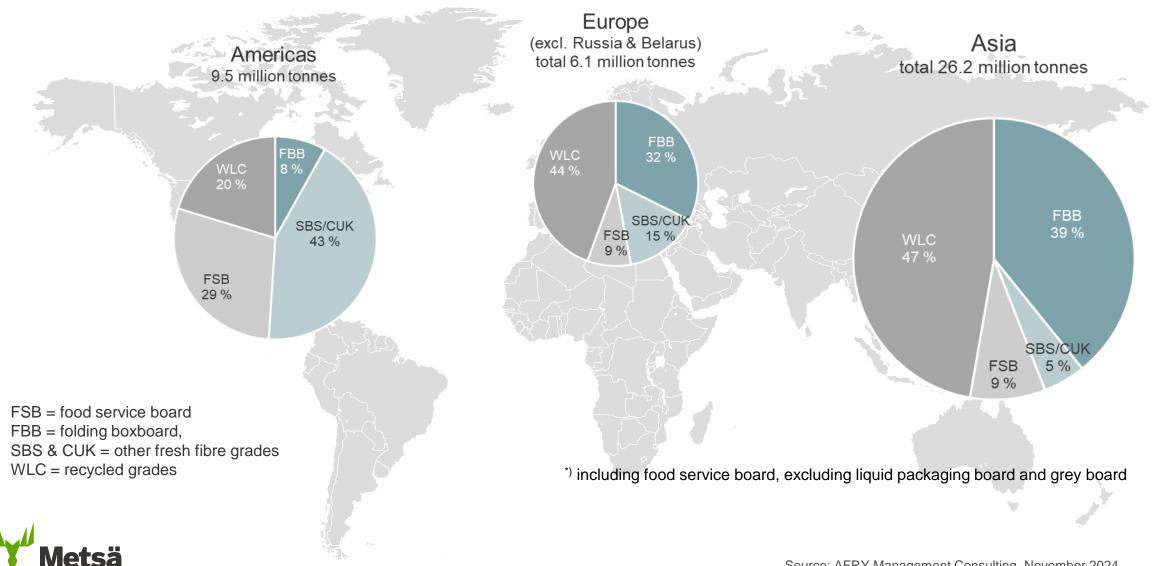


Global annual demand for cartonboards



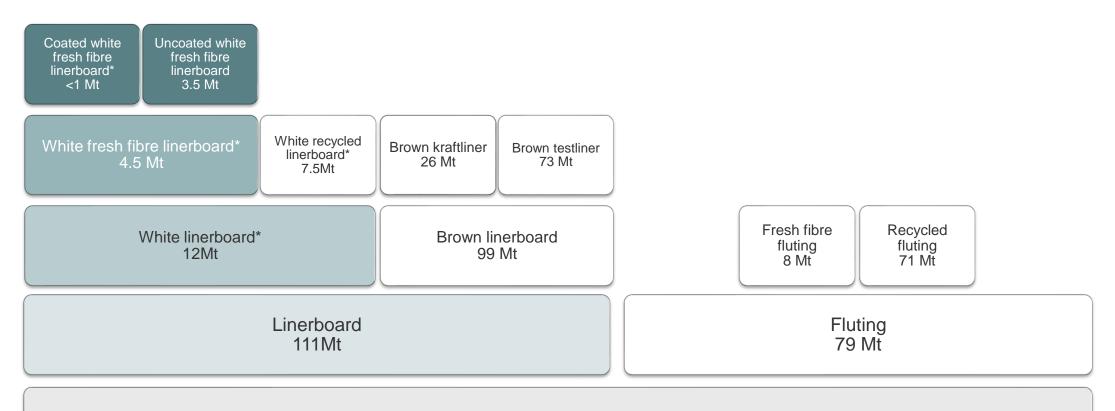


Global demand for folding cartonboard*



Global annual demand for containerboards

Metsä Board's linerboards are at the top of the quality pyramid – in a very niche market



Containerboard* total 190 million tonnes

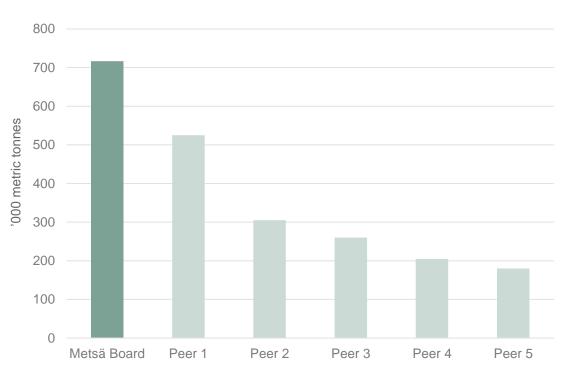


Folding boxboard and white kraftliner capacity in Europe (excluding Russian and Belarusian producers)

Total capacity 4.1 million tonnes 1 800 1 600 1 400 000 metric tonnes 200 000 800 600 400 200 0 Peer 1 Peer 2 Peer 3 Peer 4 Peer 5 Peer 6 Peer 7 Peer 8 Peer 9 Metsä Board

FBB producers in Europe

WKL producers in Europe



Total capacity 2.2 million tonnes



Source: Industry consultant

Regulation on Deforestation-free products (EUDR)

Main objectives and status

lets

- Aims to combat deforestation and forest degradation globally
- Ensures that commodities* placed on or exported from EU market do not cause deforestation or forest degradation
- Creates a reporting obligation to operators to ensure that they comply with the requirements
- Entered into force in 2023. The rules start to apply on 30 December 2025, when they
 will replace the EU timber regulation (EUTR)

Metsä Board's / Metsä Group's approach

- Metsä Group fully supports the objectives of the EUDR
- Company's reporting system and internal due diligence system will be finalised to be ready when the reporting obligations start to apply



Packaging and packaging waste regulation (PPWR)

Main objectives and status

- Aims to reduce the amount of packaging waste generated in the EU, and promote reusable and recyclable packaging solutions. All packaging has to be recyclable by 2030
- Was formally adopted in 12/2024. Enters into force in 02/2025 and application starts on 08/2026. Replaces Packaging Waste Directive
- Some definitions that still need to be clarified by the European Commission

Metsä Board's / Metsä Group's approach

• The PPWR recognises climate and environmental benefits of highly recyclable fibre-based packaging, and treats recyclable single-use packing more fairly than the European Commission's original proposal





Nature Restoration Regulation

Main objectives and status

- · Aims to ensure recovery of biodiverse and resilient nature across EU
- Introduces indicators for forest ecosystems to support nature restoration objectives
- Entered into force on 08/2024
- Member States must prepare national restoration plans. Finland's draft plan expected to be ready by 08/2026
- The Commission reviews the draft plans and can give further guidance. Member States should have the final restoration plans in place in 08/2027 at the latest

Metsä Board's / Metsä Group's approach

- Fully support the goals of the Nature Restoration Regulation
- Metsä Group's principles of regenerative land use aim to improve the state of nature
- Metsä Group Plus -management model for owner-members focus especially on forest biodiversity



More information:

https://www.metsagroup.com/regenerativeforestry https://www.metsagroup.com/metsaforest/sustainability/regenerative-forestry/metsa-group-plus/



Results for FY2024

LUXURY INSPIRE BY NATURE Offset printing on back stamping, structured in stamping.

This package is made paperboard producted fibres that are 100% of to origin in sustainabl Nordic forests. For each harvested four new se are planted.

910



Key financials

		Q4/24	Q4/23	Change Q4/24 vs Q4/23	FY/24	FY/23	Change 1–12/24 vs 1–12/23
Sales	EUR, m	446	423	6%	1,939	1,942	0%
EBITDA*	EUR, m	25	26	-5%	175	216	-19%
Operating result*	EUR, m	-4	1		69	122	-44%
% of sales*	%	-0.8	0.2		3.6	6.3	
Metsä Fibre's share of operating result*	EUR, m	-3	-5		-10	28	
Earnings per share	EUR	-0.02	0.01		0.07	0.27	-73%
ROCE*	%	-0.3	0.4		3.2	5.1	
Total investments	EUR, m	55	72	-23%	175	229	-23%
Cash flow from operations	EUR, m	50	124	-60%	38	343	-89%
IB Net debt at end of period	EUR, m	345	144	+140%	345	144	+140%



Q4 2024 in brief

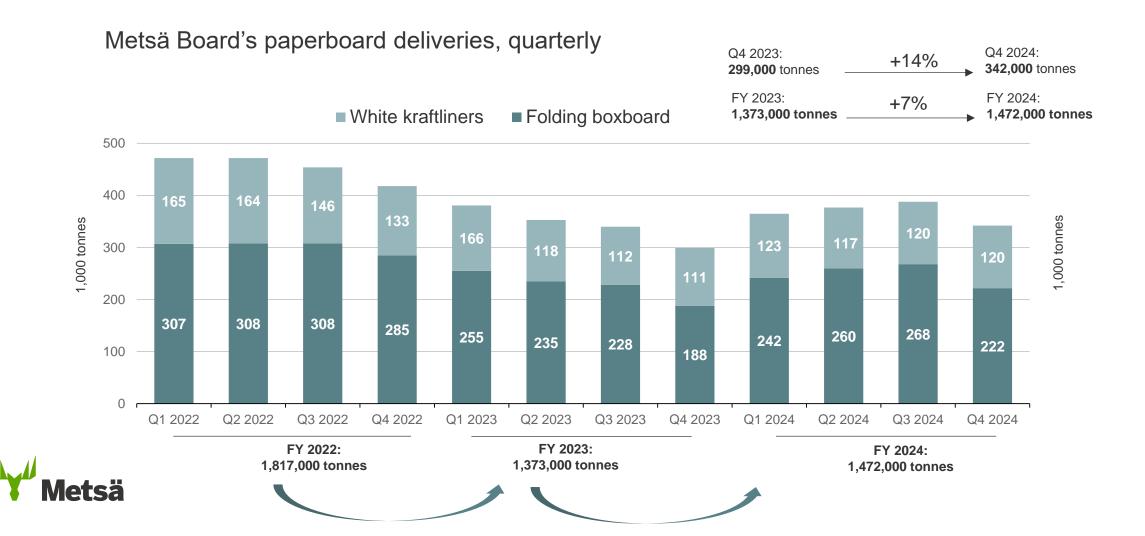
- Decreased paperboard volumes with stable sales prices compared to Q3 2024
- Due to the low demand in Q4, production was adjusted with temporary layoffs
- In market pulp, stable demand situation in Europe. In China, demand returned to normal levels
- Metsä Fibre's long repair shutdown in Kemi bioproduct mill had EUR -9 million impact on Metsä Board's operating result
- Q4 operating result includes EUR +7.5 million insurance compensation regarding the Kemi mill explosion in Q1



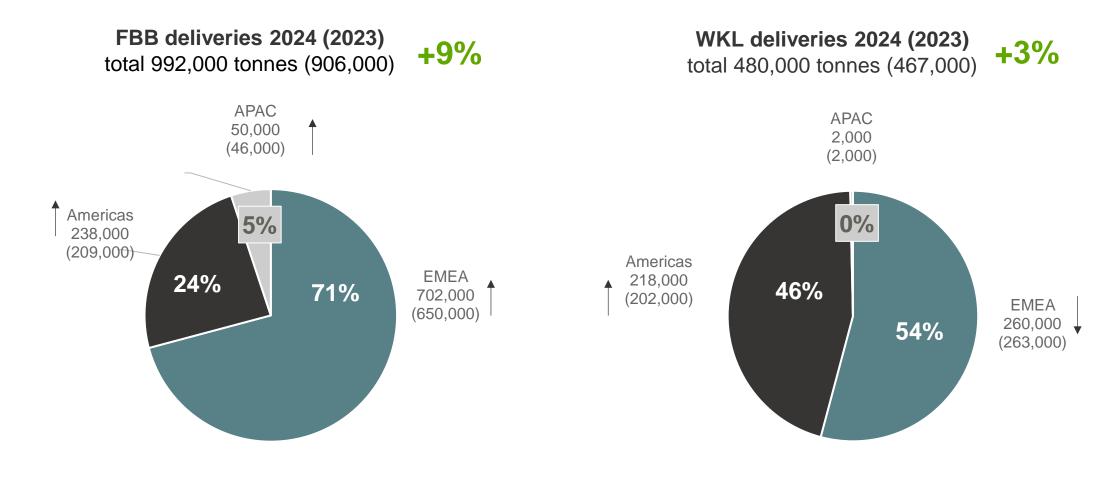
Comparable

Metsä

Paperboard sales seasonally low in Q4



Paperboard deliveries by region



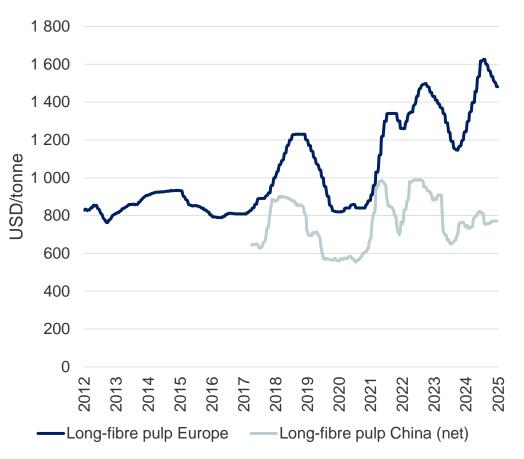
FBB = Folding boxboard WKL = White kraftliners, coated and uncoated



Market pulp

- Market pulp deliveries (2024 vs 2023)
 - Metsä Board +2%: (400,000t vs 394,000t)
 - Metsä Fibre¹⁾ -11%: (2,484,000t vs 2,747,000t)
- In Europe, demand for softwood market pulp was stronger in H1/24 than in H2/24. In China, the demand was halted from the summer to early autumn.
- Supply of softwood pulp has been limited due to the planned/unplanned shutdowns, political strikes in Finland and global logistical bottlenecks
- Price (PIX) development²⁾ in **softwood pulp**
 - 2024 vs 2023: Europe +17%, China +2%
 - Q4/2024 vs Q3/2024: Europe -5%, China -1%

Softwood pulp price (PIX) development in Europe and China





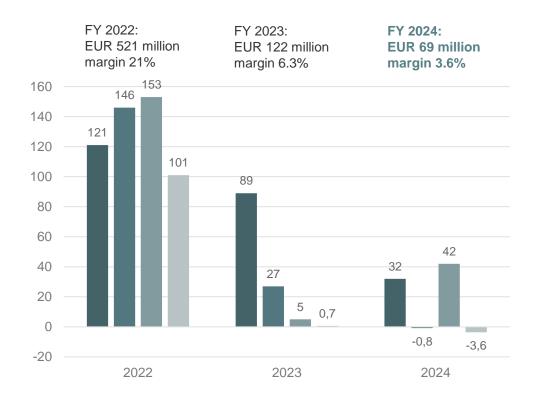
I) Metsä Fibre's total pulp delivery volumes

Stable sales in 2024 with weak profitability

Sales, quarterly EUR million

FY 2022: FY 2024: FY 2023: EUR 2,480 million EUR 1,942 million EUR 1,939 million 651 647 510 ₄₉₉

Comparable operating result, quarterly EUR million and % of sales





■Q1 ■Q2 ■Q3 ■Q4

Result comparison

Comparable operating result and % of sales

Q4/24: EUR -3.6 million, -0.8% Q4/23: EUR 0.7 million, *0.2%*

Positives:

- ↗ Increased paperboard volumes (+43kton)
- ↗ Lower energy and chemical costs
- Less maintenance
- ↗ Insurance compensation, EUR 7.5m*

Negatives:

- ↘ Lower paperboard (FBB) prices
- ↘ Higher wood costs and logistics costs
- Metsä Fibre's repair shutdown at Kemi bioproduct mill

Comparable operating result and % of sales

1–12/24: EUR 69 million, 3.6% 1–12/23: EUR 122 million, 6.3%

Positives:

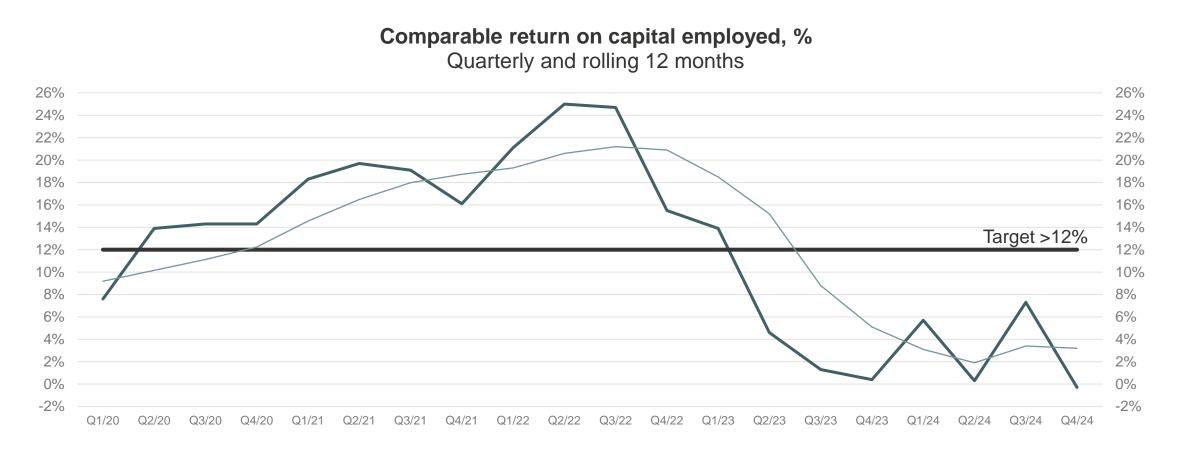
- ↗ Increased paperboard volumes (+99kton)
- ↗ Higher pulp prices
- ↗ Lower energy and chemical costs

Negatives:

- ↘ Lower paperboard (FBB) prices
- Increased wood costs, logistics costs and fixed costs
- ↘ Higher depreciation
- ▶ Lower sale of unused emission allowances (EUR 35 vs 55 million)
- ▶ Result share from Metsä Fibre EUR -10m (EUR 28m)
- ▶ Explosion in Kemi mill, estimated net impact EUR -10m*
- ▶ Political strikes, estimated impact EUR -25m*



FY 2024 ROCE at 3.2%



-Quarterly -Target -Rolling 12 months



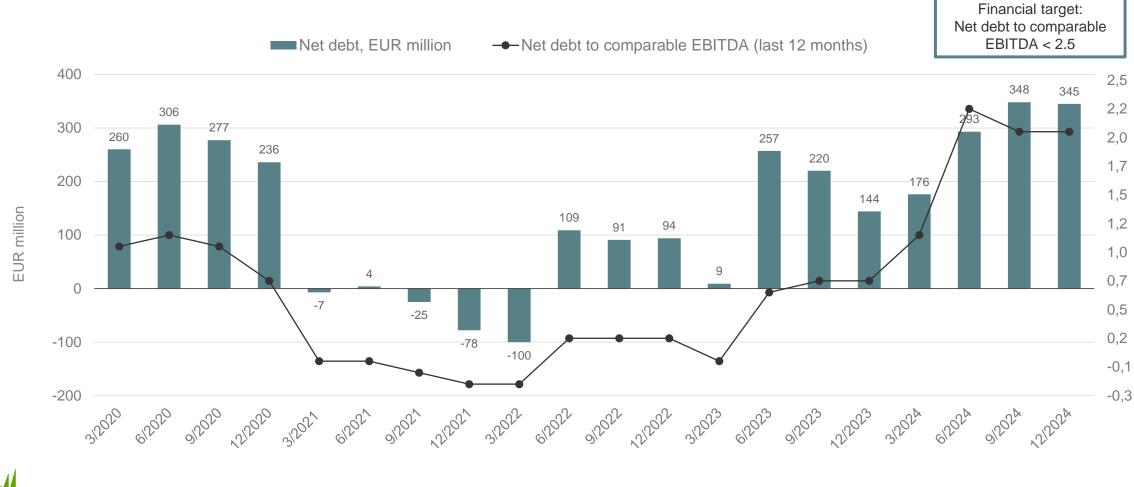
Significant decrease in 2024 cash flow

2024 cash flow includes a dividend from Metsä Fibre of EUR 10 million (2023: EUR 83 million)





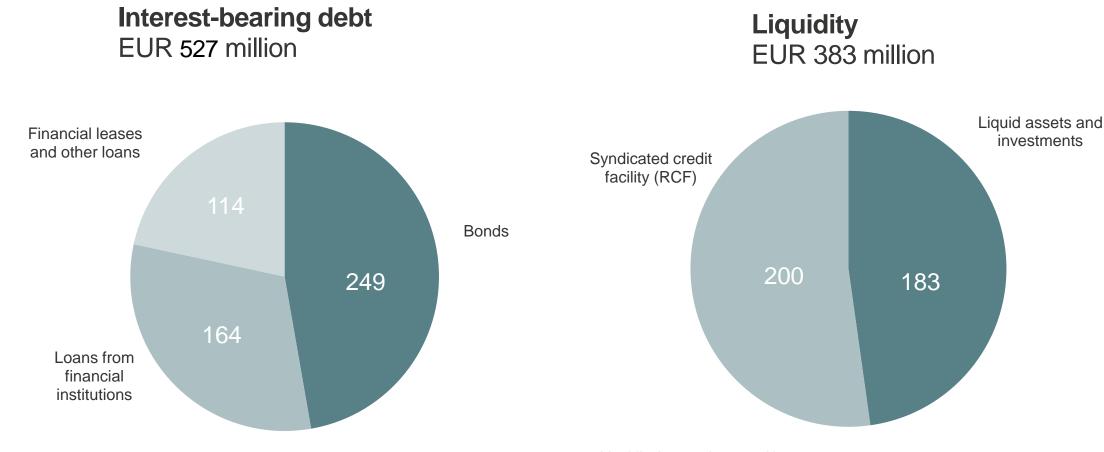
Solid financial situation despite leverage increase





Interest-bearing debt and liquidity

31 December 2024



Metsä

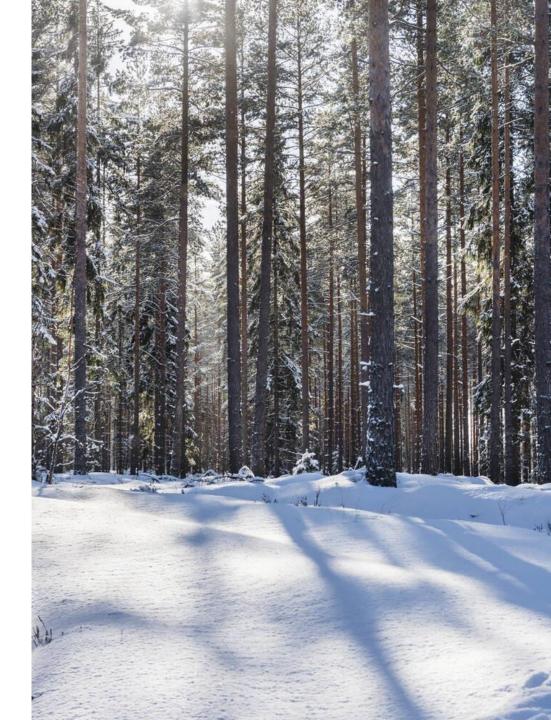
Liquidity is complemented by:

Commercial paper programme of EUR 200 million (EUR 30 million outstanding)

Near-term outlook

January–March 2025

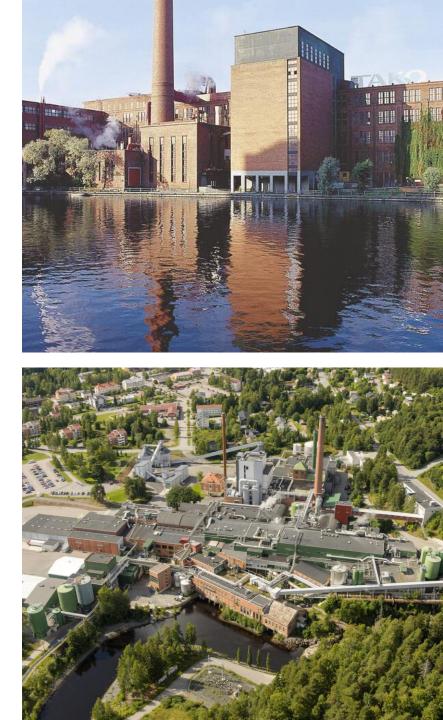
- Paperboard delivery volumes are expected to increase from Q4, average sales prices to remain stable
- Total costs, excluding pulp, are expected to remain at Q4 level
- No planned maintenance shutdowns in Q1
- Demand for softwood market pulp is expected to remain stable. Metsä Fibre's result share is expected to improve
- Metsä Board's comparable operating result in January–March 2025 is expected to improve from October–December 2024 (EUR -3.6 million)





Metsä Board plans to close Tako mill and enhance the operational efficiency of Kyro mill

- <u>Release</u> announced after the review period
- Change negotiations launched on 23 January at both mills will last at least six weeks
- Any decisions on personnel reductions and mill closure will only be taken after the negotiations are concluded
- If the plan is implemented, production at Tako mill would end in 2025
- Possible mill closure would not have an impact on customer deliveries, as company's overall capacity for folding boxboard is sufficient to meet current demand







Key sustainability figures





1) Scope 1. Scope 2 emissions are reported only annually 2) per tonne produced, rolling 12 months, change from the base year of 2018

TRIF = Total Recordable Injury Frequency per million hours worked

Forest management plan as part of Metsä Group's regenerative forestry

Forest management plan for typical forest stands

2

More diverse tree species composition

1

- Increasing the proportion of broadleaved trees
- Mixed forests
- 80 % of tree species outside purchase

Increased dead wood volumes

- Retention trees and tree groups
- Buffer zones
- Biodiversity stumps
 - Valuable habitats

3

More diverse

forest structure

harvesting

groups

Continuous cover

• Protective thickets

Retention tree

Forest management plan at biodiversity hot spot*

(5)

Protected valuable habitats e.g.

Brooks

4

- Springs
- Fertile bogs
- Cliffs
 - Flood habitats

Habitat restoration at threatened species hot spots

- Herb-rich forests
- Esker sunny slopes
- Fire habitats



* Biodiversity hot spots are ecologically unique regions that are exceptionally rich in species, and are thus priority targets for nature conservation

Metsä Board's 1.5°C aligned Science Based target

ZERO FOSSIL CO₂ EMISSIONS

Fossil-free production* and products by the end of 2030



Metsä *including Scope 1 and Scope 2 market-based

89% of total energy use is fossil-free

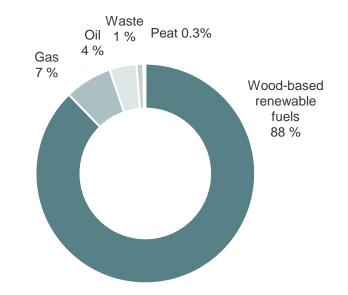
Fossil-based fuels 11 % Nuclear power 15 % Nuclear power 15 %

Total energy consumed in 2024

Total 8.3 TWh

In 2024, the share of coal of was 0.8% of Metsä Board's total energy consumption. Metsä Board do not use coal in its own energy generation, but a small share of purchased electricity was based on coal.

Fuel consumption in 2024 Total 6.2 TWh

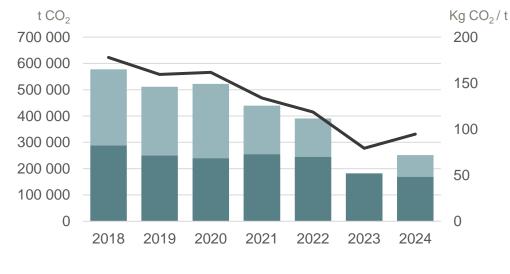


Fuel consumption includes fuels used in own energy generation and process fuels used in the mills



Metsä Board has reduced its fossil-based CO₂ emissions by 56% since 2018

Target is to reduce fossil-based CO_2 emissions by 100% by the end of 2030



Fossil-based CO₂ emissions, Scope 1+2

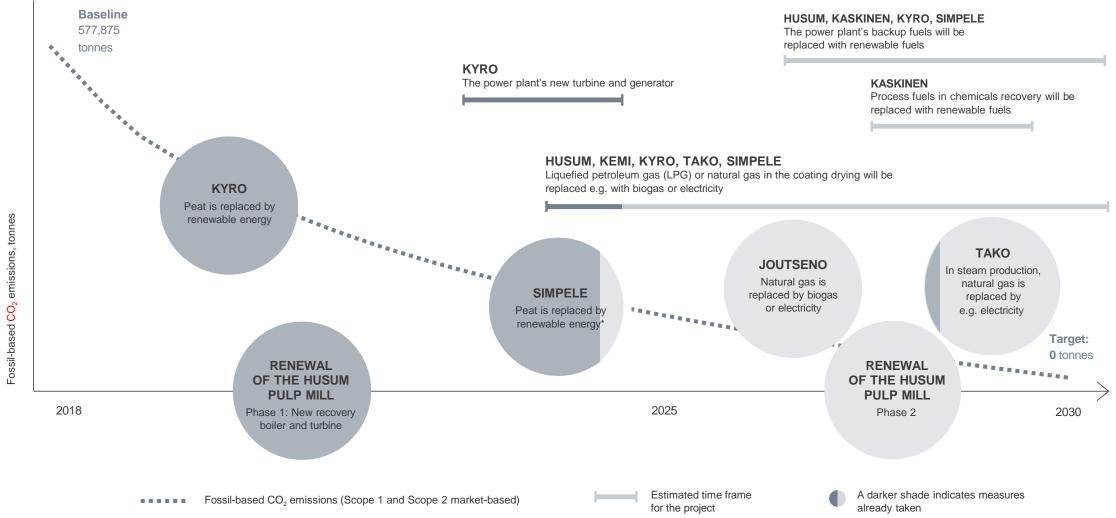
Scope 1, t CO2

Emission allowances

- Metsä Board has received emission allowances in accordance with the EU Emissions Trading System
- During the past years, the number of free allowances received have exceeded the company's annual fossilbased CO2 emissions. The surplus have been partly sold to the market
- Unused emission allowances do not have an impact on income statement or balance sheet. Metsä Board discloses the possible sales of emission allowances in its interim reports
- Due to the Renewable Energy Directive II (RED II) it is expected that granting of free emission allowances under the EU ETS will end after 2025 for production units having more than 95% of greenhouse gas emissions from biomass in 2019–2023

Scope 2 market-based, t CO2

Plan for transition to fossil-free mills by the end of 2030



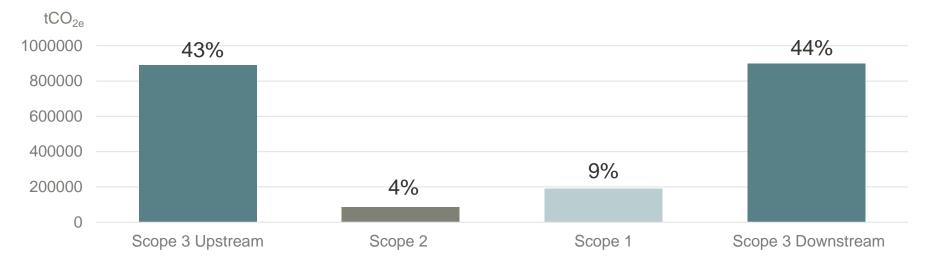


A final investment decision for some of the projects is still pending, and the times shown are indicative.

*Simpele power plant discontinued the use of peat in 2023, but some peat was used in 2024 due to lower availability of wood chips

Total greenhouse gas emissions Scope 1, 2 and 3

Total greenhouse gas emissions ca. 2 million tonnes CO_{2e}



In 2024:	tCO ₂ e		tCO ₂ e		tCO ₂ e	tCO ₂ e
 Purchased goods and services Capital goods Fuel and energy-related activities Upstream transportation and distribution Waste generated in operations 	485 533 27 746 73 778 300 233 727	 Market-based indirect GHG emissions from purchased electricity and heat 	84,989 84,989	Direct GHG emissions from own processes and power plants	192,098 192,098	 Downstream transportation and distribution Processing of sold products Use of sold products End-of-life treatment of sold products Investments 50,954
Business travelEmployee commuting	937 1 926					898,258
	890,880					



Metsä Board is preparing to set an absolute Scope 3 emissions reduction target in accordance with the 1.5 °C goal of the Paris Agreement no later than 2027

The carbon footprint (CO₂) of packaging material depends in particular on:





Energy used in production

Metsä Board uses 89% **fossil-free energy** in its production Material and resource efficiency

Lightweighting reduces the use of fibre, energy and water and generates less waste

More information: <u>The technical background report</u> verified by IVL Swedish Environmental Research <u>Institute</u>





Paperboard provides an alternative to plastics

PET

- Made of fossil oil-based materials with fossil-based energy
- Recycling rate of PET is low
- In the EU, recycling rate is 38% for plastic packaging and 82% for paper packaging (Eurostat, 2020)

MetsäBoard Prime FBB EB

- Made from renewable fresh wood fibre with a high share of fossil free energy
- Easy to recycle, biodegradable and compostable
- The climate impact of a paperboard box for cherry tomatoes is ca. 80% smaller than that of a box made from recycled PET (Natural Resources Institute Finland, 2019)

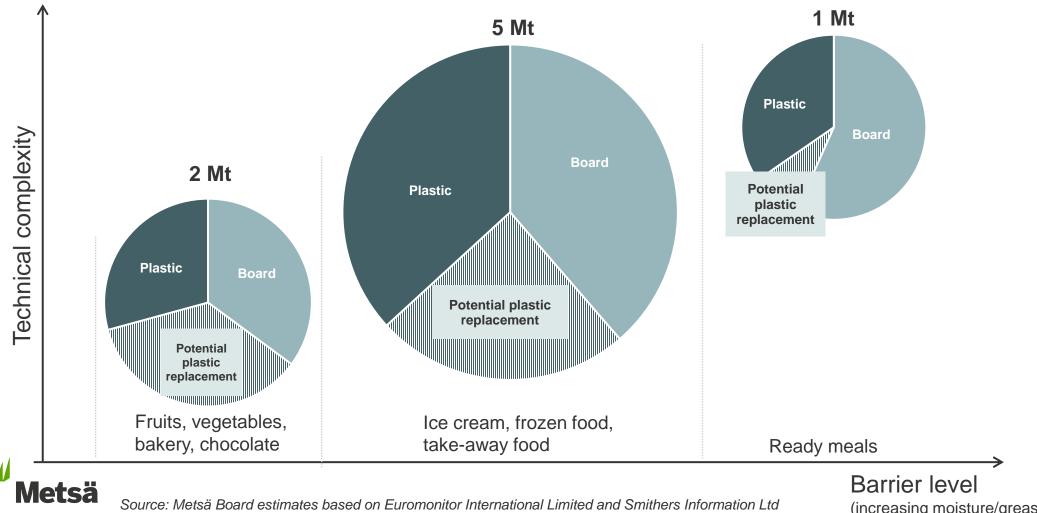






Plastic replacement potential roughly 2 million tonnes

Cartonboard and rigid plastic packaging market size in selected food categories, excluding cupstock and liquid packaging



(increasing moisture/grease resistance)

Fresh and recycled fibres are equally good in terms of the circular economy

83%

of paper and paperboard packaging is recycled

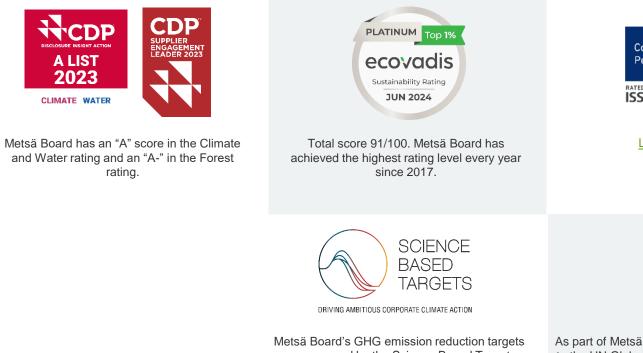
100%

recovery of wood fibres **is not possible** because part of the fibre is lost during a cycle, or is contaminated Fresh fibre is needed in the recycling loop to maintain quality and strength, and to keep the loop ongoing



*Europe (EU27), Source: Eurostat

External assessments and own commitments



are approved by the Science Based Targets initiative.





Link to ISS website



Link to MSCI website

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As part of Metsä Group, Metsä Board is committed to the UN Global Compact corporate responsibility initiative and its principles in the areas of human rights, labour, the environment and anti-corruption. Metsä Board also supports the UN's Sustainable Development Goals, the SDGs.



Innovation and R&D





Our R&D work aims to resource efficiency and reduce carbon footprint of packaging material





Light and resource efficient paperboards

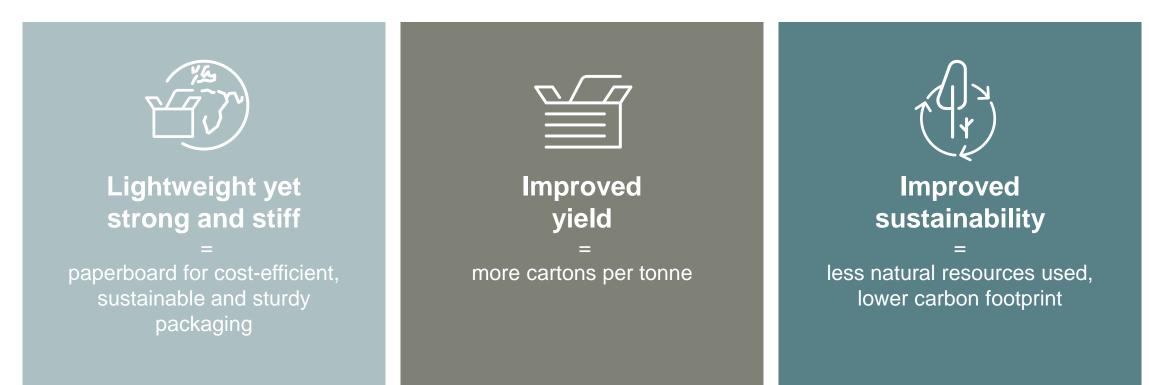


Developing barrier boards as an alternative to plastics



High-yield pulp makes the difference between folding boxboard and other grades

Benefits of lightweighting:





Resource efficiency in production

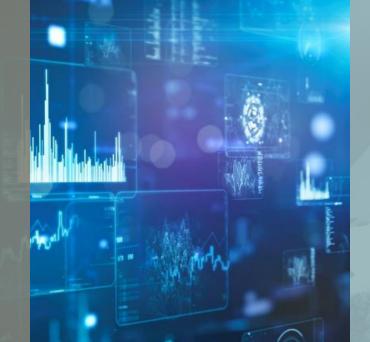
Wood consumption depends on right fibre-mix. Less wood needed in the production of highyield pulp



Reduced water use through a closed water circulation and reduction of process water

New technology, development of energy recovery and Al improve energy efficiency

Metsä

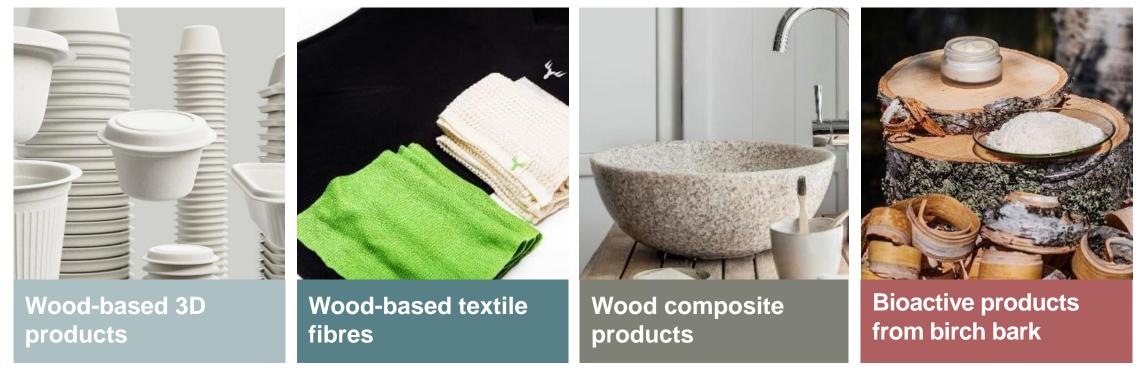


Resource and operational efficiency in production results into lightweight paperboards with less waste



As part of Metsä Group, we are looking for new growth opportunities

Metsä Spring* invests expertise and financial resources into initiatives with the ambition to reshape the forest-based bioeconomy





Owners and management

36 + 36

40

etsiBoard Pro FBB Bright 230 g/m/, 15.2 pt



Market cap and ownership distribution

Metsä Board has over 70,000 shareholders, combined amount of A and B shares

% EUR million 3 500 25 3 0 0 0 20 2 500 15 2 0 0 0 1 500 10 1 000 5 500 0 0 12/2022 12/2023 12/2020 12/2021 12/2024 Market cap, EUR million ----Share of foreign owners

Ownership distribution 31 December 2024 Foreign owners 9% Domestic private owners 20% Metsäliitto Cooperative 52% Domestic institutional investors 10%

Market cap and foreign owners

Metsä Board Corporate Management Team



Mika Joukio CEO Chair of CMT since 2014 At Metsä Group since 1990 Shares: 377,846



Henri Sederholm CFO Member of CMT since 2021 At Metsä Group since 2003 Shares: 60,000



Markku Leskelä

SVP, Development Member of CMT since October 2021 At Metsä Group since 1993 Shares: 29,615



Jussi Noponen

SVP, Sales and Supply Chain Member of CMT since 2016 At Metsä Group since 2000 Shares: 93,806



Harri Pihlajaniemi

SVP, Production and Technology Member of CMT since 2017 At Metsä Group in 2001–2004 and since 2017 Shares: 32,745



Camilla Wikström SVP, HR Member of CMT since 2019 At Metsä Group since 2001 Shares: 28,293



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