

This is UPM

SALES 2023 EUR 10.5 BILLION



Wood-based raw materials

Low-carbon energy

BUSINESSES:

UPM FIBRES

UPM ENERGY

UPM RAFLATAC

UPM SPECIALTY PAPERS

UPM COMMUNICATION PAPERS

UPM PLYWOOD

UPM BIOREFINING

55 production plants



17,200 employees in 44 countries

RENEWABLE AND RECYCLABLE PRODUCTS FOR:



LABELLING

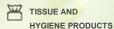
TRANSPORTATION

M ELECTRIFICATION

CONSTRUCTION



COMMUNICATION



MANUFACTURING



BIOMEDICALS

10,500 customers



170

million end-users globally

Our businesses





UPM Pulp A versatile range of chemical pulp for many growing end



UPM Timber Certified sawn timber for joinery, packaging, furniture, planing and construction



UPM Forest Sourcing wood raw material for sustainable and recyclable products



UPM Energy Zero-emission electricity generation of hydro, nuclear and thermal power



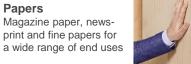
UPM Raflatac Self-adhesive paper and film products incl. label materials, graphics solutions and removable self-adhesive products.



UPM Specialty Papers Labelling materials, release base papers, flexible packaging papers, office and graphic papers



UPM Communication Papers



UPM Plywood Plywood and veneer products for construction, vehicle flooring and LNG shipbuilding



UPM Biofuels Wood-based renewable diesel and naphtha



UPM Biochemicals Glycols, lignin products, renewable functional fillers



UPM Biomedicals Wood-based biomedical products for medical and life science applications



UPM Biocomposites Composite decking materials and woodbased biocomposites

We create a future beyond fossils

Biofore strategy drives stakeholder value creation and our transformation as the frontrunner of bioeconomy

Growth

- We respond to megatrends and meet customers' changing needs
- Creating new markets and enabling sustainable choices

Performance

- Continuous improvement
- Agile operating model
- Corporate synergies



Innovation

- Creating new business and competitive advantage
- Replacing fossils with biomaterials

Responsibility

- Renewable & sustainable solutions
- Responsible operations and value chain

Portfolio choices

- Strategic access to sustainable renewable raw materials
- Investing in businesses with strong long-term fundamentals for growth and high barriers to entry
- Effective capital allocation with attractive returns

Long-term value creation driven by our spearheads for growth



SPECIALITY PACKAGING MATERIALS

Label Specialty materials papers

FIBRES

Forests Pulp

BIOREFINING

Biofuels Biochemicals Biomedicals Biocomposites

Communication papers

Plywood

Energy

Our climate commitment





WE ACT THROUGH FORESTS

Committed to climate-positive forestry and enhancing biodiversity



WE ACT THROUGH EMISSION REDUCTIONS

-65% from own CO₂ emissions
 -30% from CO₂ emissions of supply chain



WE ACT THROUGH PRODUCTS

Innovative products

Scientifically verifying the climate impact of all our products





Towards net-zero emissions (UPM 2022) WE ACT THROUGH FORESTS WE ACT THROUGH EMISSION WE ACT THROUGH PRODUCTS **REDUCTIONS** -2,0 MtCO₂ Fossil +4,5 energy MtCO₂ substitution MtCO₂ **Temporary** MtCO₂eq Own carbon storage Carbon sink emissions Wood-based Trees and soil Scope 1 ja 2 products +5.0 -5,8 Long-term MtCO₂ MtCO₂ carbon storage Value chain Fossil-based Trees and soil emissions products

Scope 3

substitution

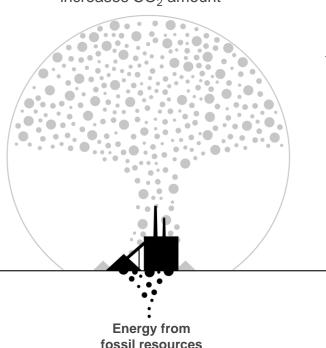
Bioeconomy offers a sustainable alternative to fossil-based economy



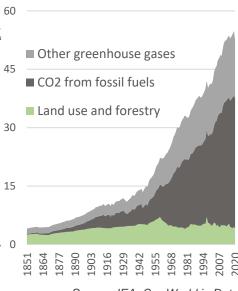
Biomass use is not increasing CO₂ to carbon cycle



Use of fossil resources increases CO₂ amount



Use of fossils has increased global CO₂ -emissions



Leader in responsibility

Member of

Dow Jones Sustainability Indices

Powered by the S&P Global CSA





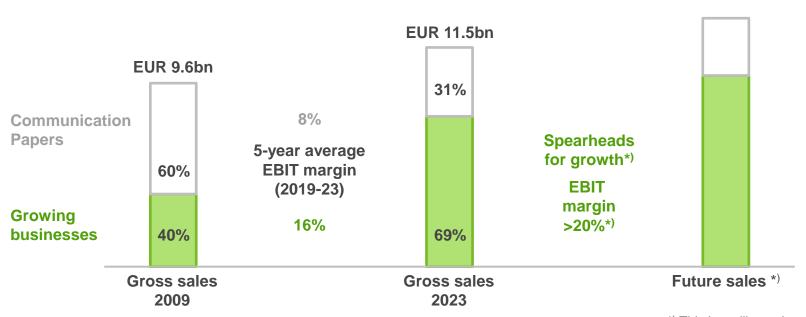






Transformation continues – business mix drives earnings and shareholder value





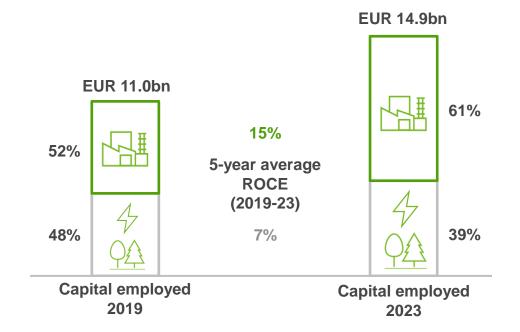
^{*)} This is an illustration, not a forecast

Growth investments have increased capital employed, significant earnings potential as they start to contribute UPM



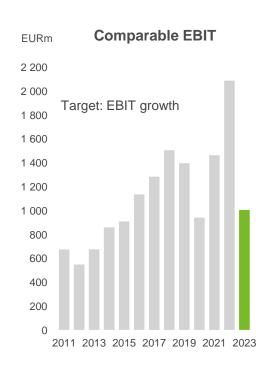


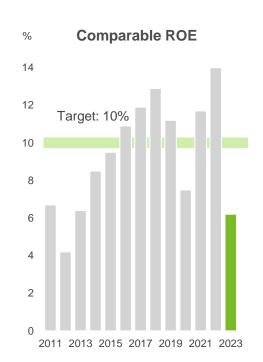
Forest and energy assets: Sustainable value creation

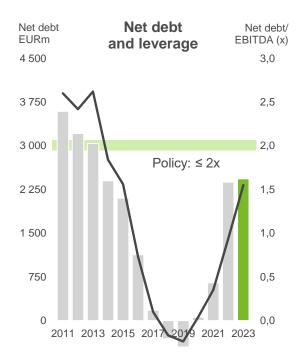


Group financial performance and targets



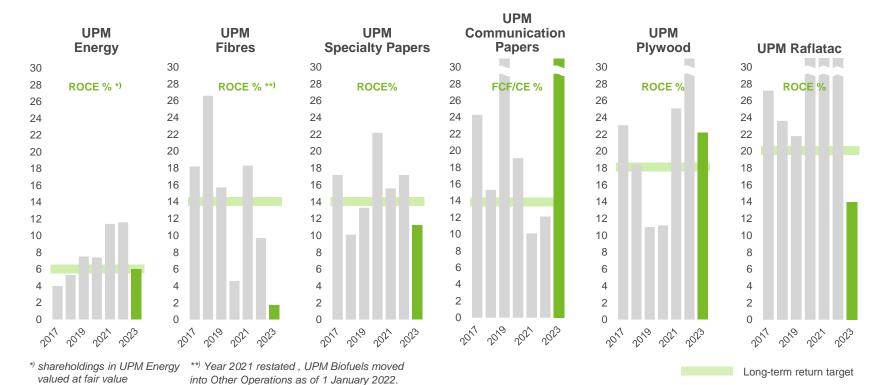






Business area long-term return targets





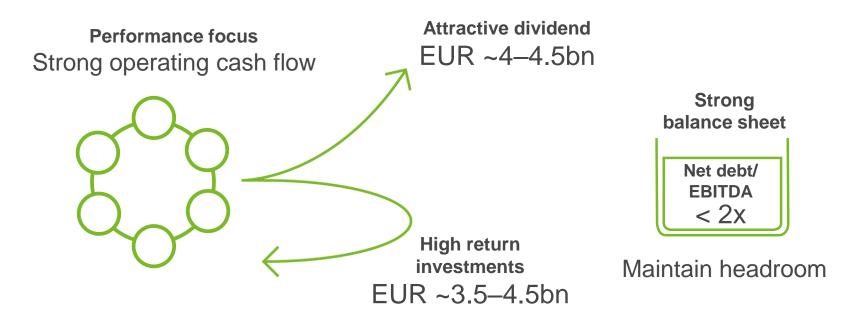
Dividend policy and capital allocation



- UPM aims to pay attractive dividends, targeting at least half of the comparable earnings per share over time.
- UPM plans to allocate capital to
 - Invest to grow the company and its earnings. UPM targets growth in comparable EBIT and comparable return on equity exceeding 10%.
 - Pay attractive dividend. The targeted earnings growth drives dividend growth over time.
 - Maintain a strong balance sheet. Net debt to EBITDA ratio to be less than 2.
 - Share buybacks. They are a complementing tool that may be used relative to investment opportunities and company valuation.

Illustrative 5-year capital allocation*) (2023-2027)

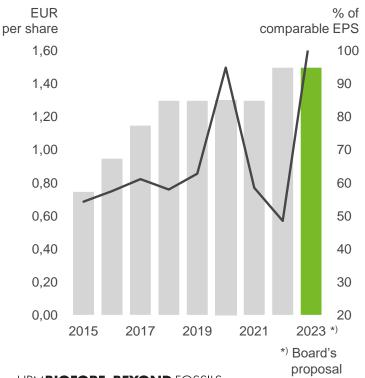




*) This is not a forecast

Dividend proposal: EUR 1.50 per share





Dividend policy

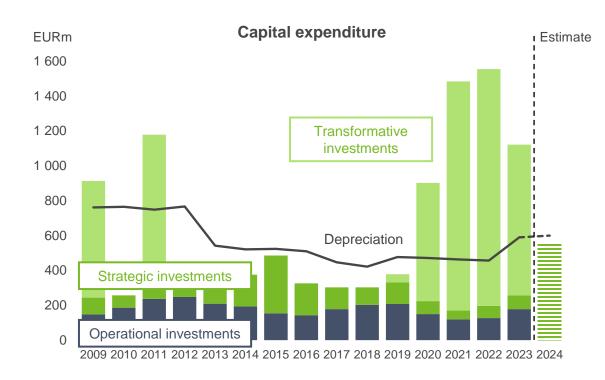
 UPM aims to pay attractive dividends, targeting at least half of the comparable earnings per share over time

Dividend proposal for 2023

- EUR 1.50 (1.50) per share, totalling EUR 800m
- 107% of 2023 comparable EPS

Major investment cycle coming to an end





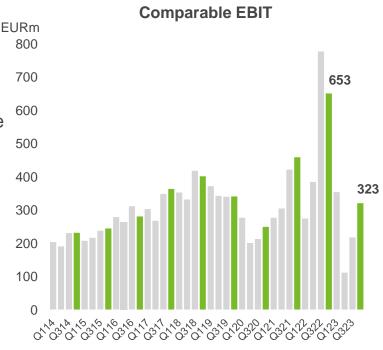
Capex estimate for 2024

- Total EUR 550m
- Includes EUR 300m on the UPM Leuna biochemicals project in Germany
- Operational investment needs consistently low

Q4 2023: earnings recovery continued, growth projects set to deliver



- Sales decreased by 22% to EUR 2,531m (3,231m in Q4 2022)
- Comparable EBIT decreased by 51% to EUR 323m, 12.8% of sales (653m, 20.2%)
- Pulp and electricity prices significantly lower than in the previous year, but increased from the previous quarter
- Demand for many of UPM's products continued to gradually recover from previous quarters
- Successful margin management, decisive action to reduce variable and fixed costs and to adjust capacity
- UPM Paso de los Toros pulp mill and the OL3 nuclear power plant unit contributed significantly to deliveries

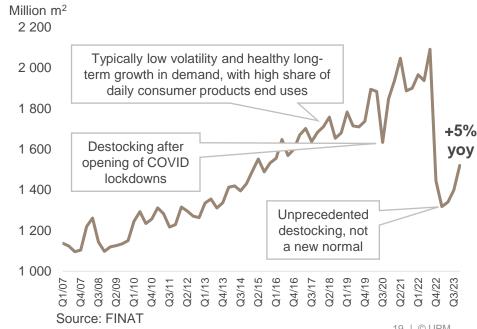


Focus on margin management as destocking has largely phased out



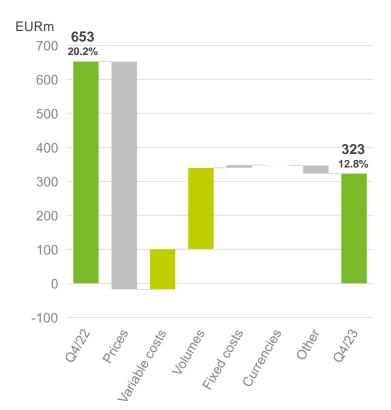
- Market shipments in 2023 in most products well below end-use demand and long-term trends due to destocking
- Consumers impacted by inflation, interest rates and uncertainty, affecting underlying end use-demand
- Destocking is estimated to be largely over
- Gradual recovery in many product markets in Q4
- The long-term growth prospects remain intact and attractive

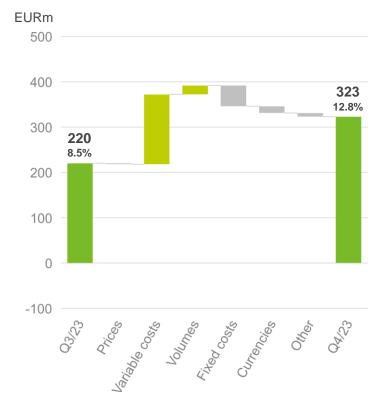
Example: market shipments of self-adhesive label materials in Europe impacted by destocking



Comparable EBIT in Q4 2023

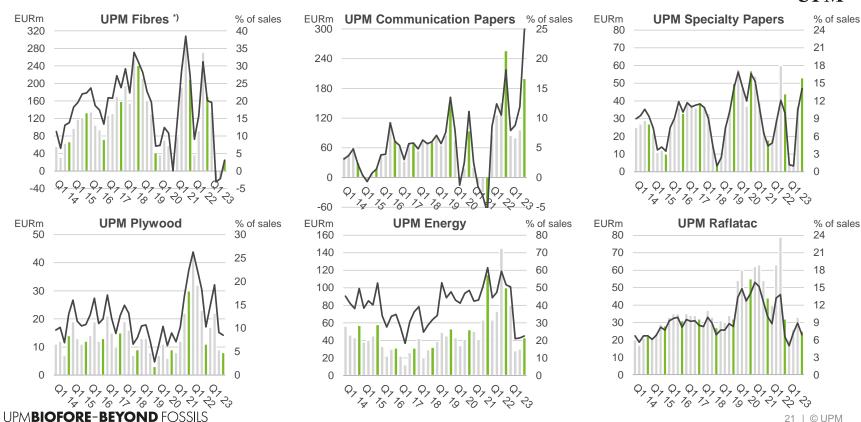






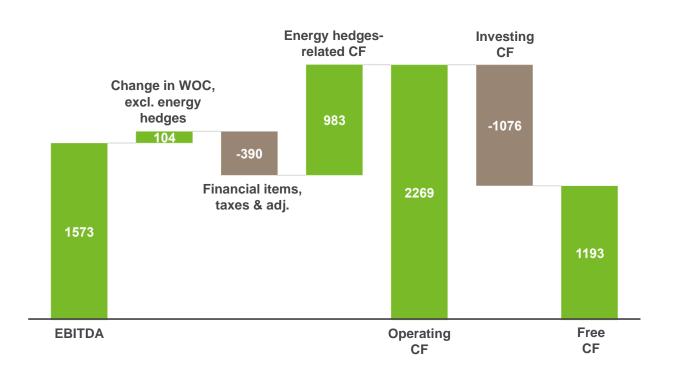
Comparable EBIT by business area





2023 record operating cash flow supported by cash inflow from energy hedges





Strong financial position





- Net debt EUR 2,432m at the end of Q4 2023
- Net debt / EBITDA 1.55
- Cash funds and committed credit facilities
 EUR 3.6bn at the end of 2023
- No financial covenants
- UPM paid the dividend of EUR 1.50 per share for 2022 in two instalments. The first was paid on 21 April 2023 and the second instalment of EUR 0.75 per share was paid on 2 November 2023

Outlook for 2024

- UPM's full-year 2024 comparable EBIT is expected to increase from 2023, supported by higher delivery volumes, continued ramp-up and optimization of the UPM Paso de los Toros pulp mill, and lower fixed costs.
- Demand for many UPM products is expected to continue to improve gradually as the
 destocking seen in 2023 is largely over. The year starts with lower price level for
 advanced renewable fuels than last year. UPM continues to manage margins and take
 actions to reduce variable and fixed costs.
- In H1 2024, comparable EBIT is expected to be lower than in H2 2023, due to the timing
 of the energy-related refunds in Q4 2023 and unusually high maintenance activity in H1
 2024. Planned maintenance shutdowns will take place in UPM Paso de los Toros, UPM
 Fray Bentos and UPM Pietarsaari pulp mills and all three units of the Olkiluoto nuclear
 power plant.



FOREST

The UPM Forest Action programme takes a holistic view, covering the five fundamentals of responsible forestry:













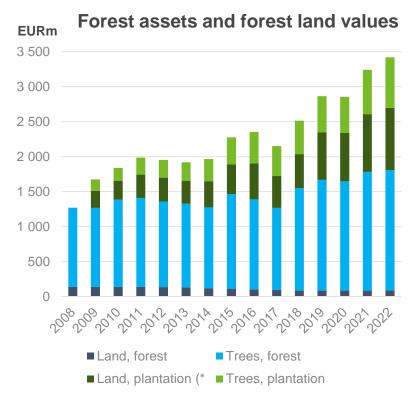


UPM forests and plantations	2008	2022	Area distribution		
Forest and plantation land (own and leased) (1,000 ha)	1,012	1,070	8%	-7%- L	US
Forest growth (million m³)	4.3	6.7	90%	47% F	Finland
Wood sourced from UPM forests and plantations (million m³)	2.2	4.5			
Value of forests and plantations, including land (EURm)	1,270	3,421		46% U	Uruguay
			2008	2022	

Climate-positive forestry and maintenance of carbon sinks
Investing in strategic forest assets in Uruguay
Productivity with active management and nurseries
Enhanching biodiversity

Active forest strategy – UPM's forest assets are increasingly productive and valuable





Uruguay plantations

"fast turnover, low inventory"

- Value EUR 1.6bn
- Continuous productivity improvement (pulp tonnes/ha)
- Investing in strategic forest assets

Finland and other northern forests "slow turnover, high inventory"

- Value EUR 1.8bn (+43% since 2008, EUR/ha +140% since 2008)
- Decreased area (-42% since 2008), focusing on forests close to mills
- Improved growth (m³/ha)
- Trend price (EUR/m³)

New business in woodbased biochemicals

Responding to strongly growing demand for sustainable solutions



Industrial scale biorefinery in Leuna, Germany



Alternatives to fossil materials in various consumer-driven end-uses



EUR 1 180 million investment Total annual capacity of 220,000 tonnes



Scheduled to start up by the end of 2024



UPM Leuna biochemicals refinery project progressing at full speed

- Operating permit obtained in May, the commissioning will be implemented in phases starting in Q4 2023
- Start-up expected by the end of 2024
- Investment estimate is EUR 1,180 million
- In Q3, UPM Biochemicals acquired the Germanbased SunCoal Industries
- Interest for our renewable products replacing fossil materials has proven to be high
- First large-scale sales contracts with Dongsung and Brenntag



UPM Biochemicals

Renewable product range

- Bio-monoethylene glycol (bMEG)
 for textiles, PET bottles, packaging, deicing fluids
- Renewable functional fillers
 for rubber applications as a sustainable, light-weight and
 high-purity alternative to carbon black and silica
- Bio-monopropylene glycol (bMPG)
 for composites, pharma, cosmetics, detergents
- Industrial sugars
 for various applications in chemicals industry









UPM Biochemicals

Large growth markets – unique sustainability value





- The global glycols market is more than 30 million tonnes, with expected annual growth of approx. 4%
- The global market of carbon black and silica is more than 15 million tonnes, with expected annual growth of approx. 3%
- Current market supply based on non-renewable raw materials
- Customers increasingly committed to sustainable solutions
- UPM's renewable raw material and new technologies provide significant reduction in carbon footprint
- UPM biochemicals fit directly into customers' processes and the existing recycling infrastructure

UPM Paso de los Toros will grow UPM Pulp by over 50%

Highly competitive cash cost of USD 280 per delivered tonne of pulp





Pulp mill and deep seaport terminal in Montevideo Jobs and other opportunities for the residents of the region



Pulp is used in tissue, specialty and packaging papers, for example



USD 3.47 billion investment Total annual capacity of 2.1 million tonnes of eucalyptus pulp



Started up in April



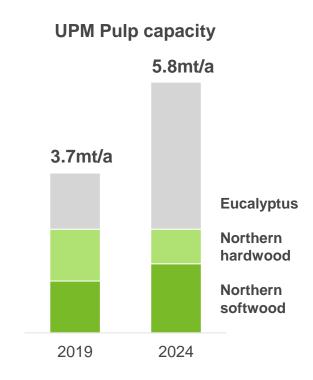


UPMBIOFORE-BEYOND FOSSILS

Transformative step in UPM's pulp business and in UPM's future earnings



- Significant step for UPM's future earnings
 - One of the most competitive mills in the world
 - Expected cash cost level of USD 280 per delivered tonne of pulp*)
 - Attractive returns in various market scenarios
 - Carefully prepared to ensure long-term competitiveness and to minimise risks both in the project phase and during continuous operations
- Step change in UPM's pulp business



^{*)} including variable and fixed costs of plantation operations, wood sourcing, mill operations and logistics delivered to the main markets

UPM Fibres

Competitive wood supply



Eucalyptus availability secured through UPM's own and leased plantations and wood sourcing agreements with private partners

UPM's own, leased and managed plantations in Uruguay cover 505,159 hectares, supplying both UPM Fray Bentos and the new Paso de los Toros mill

30 years experience of sustainably managed and productive plantations



UPM Fibres

Efficient logistics set-up



USD 280 million investment to a deep sea pulp terminal in Montevideo port

- Direct rail access from the mill with 4-6 trains/day + 1 chemical train/day to the mill
- Operating 24/7
- >50,000 m warehouse for ~2 million pulp tonnes
- Deep sea port with 100 pulp ships a year
- → Direct, efficient access to global markets

Railway modernisation

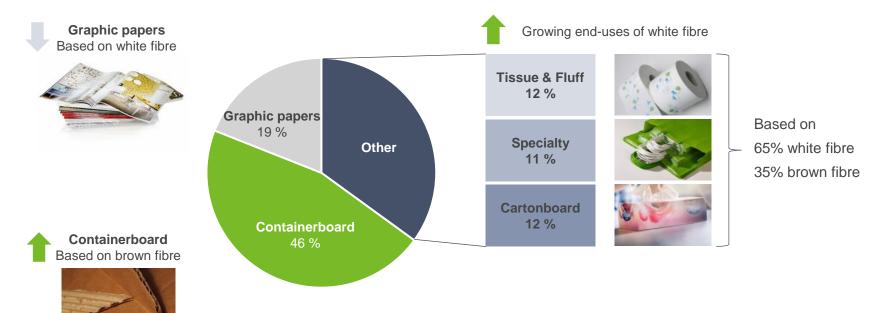
Public-private-partnership agreement by the government and the construction company

Road improvements



Market pulp consumed in growing end-uses – alternative white fibre demand overcoming graphical paper decline





Total fibre consumption (2020): 421 million tonnes

UPM Fibres

Expansion cycle coming to an end with no major confirmed projects after 2026



Entry of market bleached pulp capacity

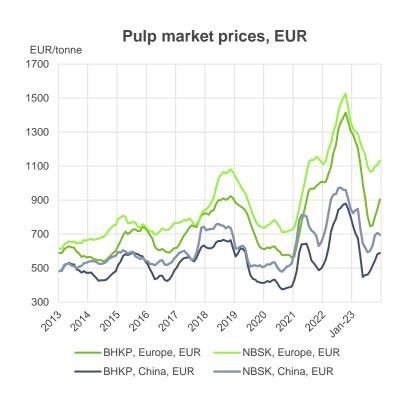


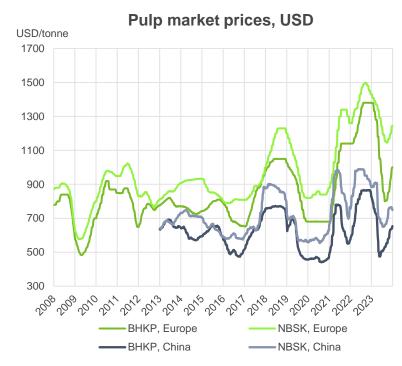
Note: including BHKP, BSKP, excluding fluff and dissolving

UPM Fibres

Chemical pulp market prices







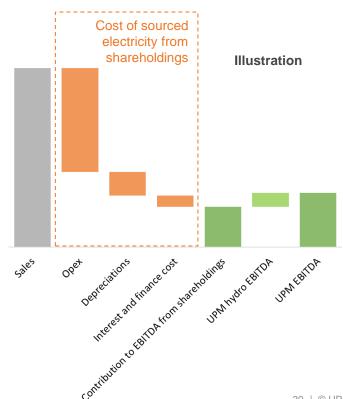
Source: FOEX Indexes Ltd

UPM Energy UPM Energy



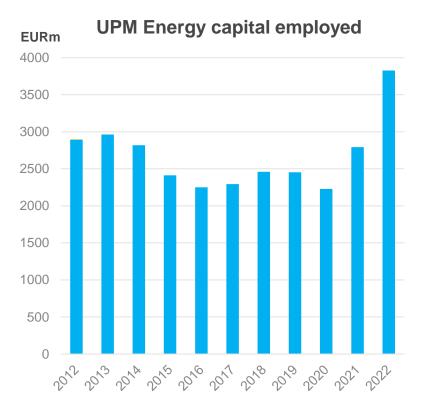
UPM Energy's power generation	MW	EURm
Hydropower holdings	552	976
Nuclear power OL1 and OL2	588	1,302
Nuclear power OL3 (PTO 05/2023)	494	0
Thermal power	133	1
UPM Energy's shareholdings in total, valued at fair value	1,765	2,278
UPM own hydropower assets	170	
UPM Energy's in total (incl. OL3)	1,936	
UPM Energy capital employed		2,501

UPM Energy sources electricity from part owned energy companies at full cost (cost-price principle, mankala principle)



UPM Energy's assets are competitive, CO₂-free and increasingly valuable





Hydropower

- Flexible generation, crucial to balance the volatile system
- Renewable, CO₂-free
- Value EUR 1.3bn

Nuclear power

- Reliable baseload generation
- CO₂-free
- Unique and safe solution for final disposal of spent fuel
- Value EUR 2.5bn

OL3 in regular commercial electricity production

We create a future beyond fossils: OL3 grows UPM Energy's carbon free electricity generation by nearly 50%

Reliable CO₂-free baseload energy to support the electrification of the society

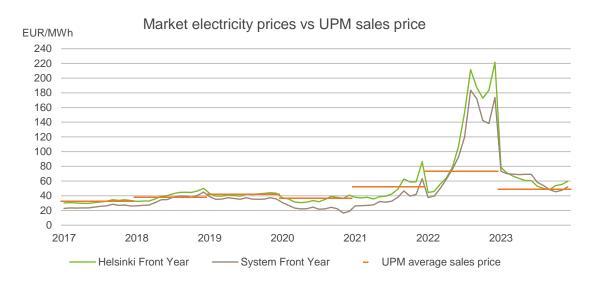
Finland's electricity self-sufficiency significantly improved, carbon neutral generation to about 90%

UPM's agile and competitive energy business platform opens growth opportunities in the green transition



Cost efficient generation enables robust profitability in changing market environment





UPM Energy profitability	2018	2019	2020	2021	2022	2023
Comparable EBIT, EURm	123	185	171	270	381	182
% of sales	31.5	44.4	45.0	51.3	52.0	29.0

UPM Raflatac

Self adhesive labels in various end-uses















Food

Wine, spirits & beverage

Pharmaceuticals

Personal care

I care Home care

Durables







Industrial Chemical



Retail



A4 & cut-size



Security & brand protection



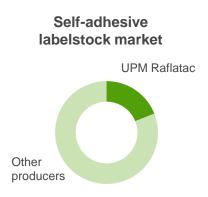
Tyre

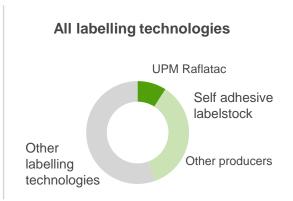
UPM Raflatac

The self-adhesive labelstock market



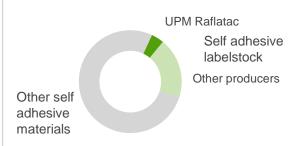
- >EUR 10bn global market
- ~3-4% p.a. growth
- Private consumption driven
- Largest of the labelling technologies
- <25% of total self adhesive materials markets







All self adhesive materials



UPM Raflatac

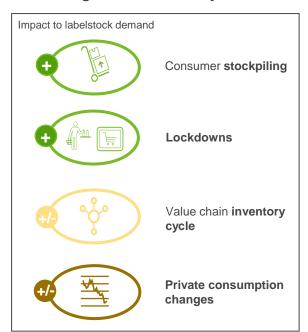
The labelstock markets have solid long term demand growth trends – short term can be more volatile



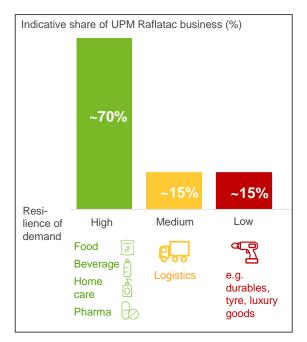
The long term demand growth outlook remains a solid 3-4% p.a.



However in the short term the demand changes can be more dynamic



The demand of UPM Raflatac's end use portfolio is relatively resilient





UPM Specialty Papers

Growth expected to continue in main markets



LABEL & RELEASE

Market development forecast, CAGR 2021-2026

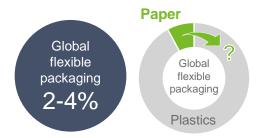
Global release liner ~4%

Global label face papers 2-3%

UPM Specialty Paper

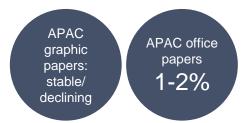
Leading position in growing global label and release paper markets _

PACKAGING PAPERS



Selective approach in consumer packaging area. Well positioned for future growth.

APAC FINE PAPERS



One of the leading players in office papers, focused niche player in graphic papers

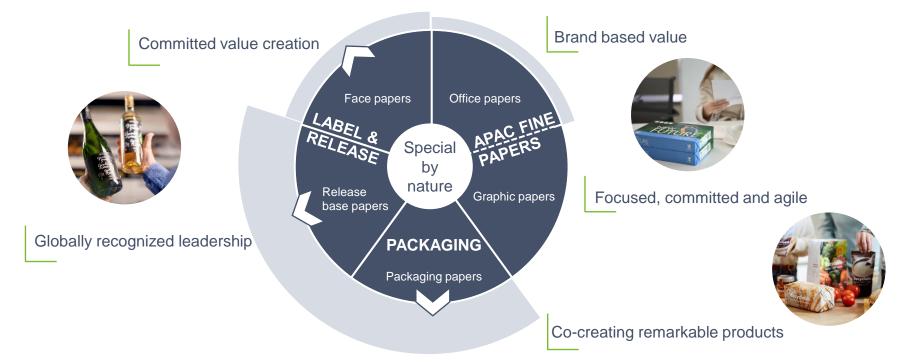
Source: AWA, Pira, UPM

UPM Specialty Papers

UPM Specialty Papers GROWTH STRATEGY



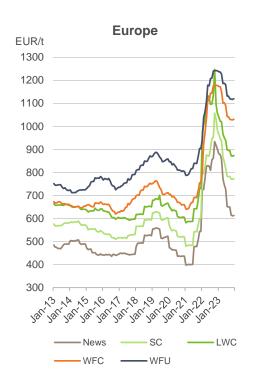
We co-create a future beyond fossils with renewable, recyclable and remarkable papers

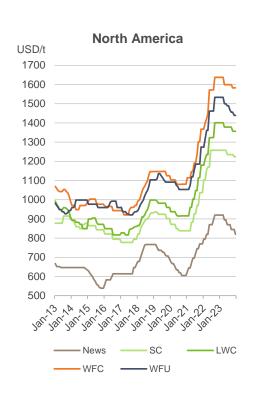


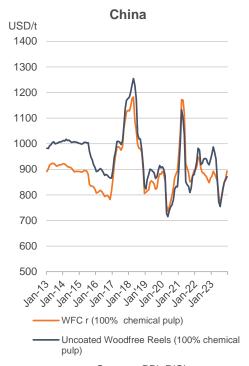
UPM Communication Papers

Graphic paper prices







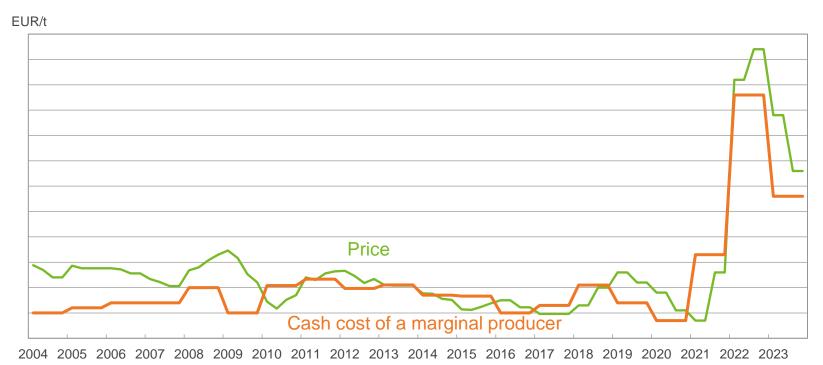


Sources: PPI, RISI

UPM Communication Papers

UPM

Paper price vs. cash cost of marginal cost producer



UPM Plywood

UPM Plywood focuses on three end use segments



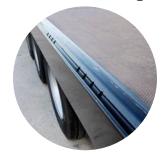
Construction



UPM's position and direction

- Leading position in high and medium range standard products in Europe through well established distribution network providing easy access to WISA® plywood
- Uncompromised sustainability, certified products and operations
- New growth sought by strengthening position in selected emerging markets

Vehicle flooring



UPM's position and direction

- · Leading position in Europe
- Competitive edge built on smoothly running operations and needs-based product design creating value to both vehicle manufacturers and operators
- Growth sought by expanding to new markets and related end use segments

LNG shipbuilding



UPM's position and direction

- Leading supplier in LNG plywood
- Competitive edge based on right quality and accurate on-time deliveries
- Long term commitment and benchmark service level
- Focus to secure leading position in LNG carriers and to extend offering into related applications using the same technologies (e.g. land storage tanks)

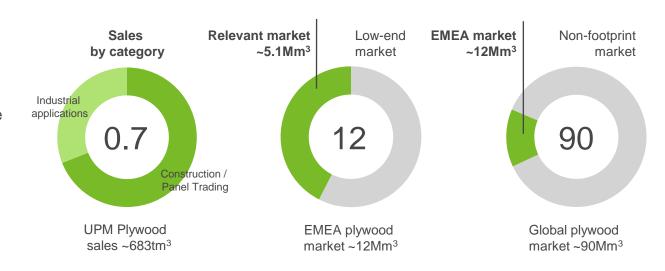
UPM Plywood

UPM's key markets are in the high and mid segments primarily in EMEA region



Strategic choices

- Demanding industrial applications
- 2. High and medium range standard products
- 3. Selected customers
- EMEA region and LNG business globally



Moving forward with biofuels growth plans

Basic engineering phase of a next generation biorefinery



Potential industrial scale biofuels biorefinery



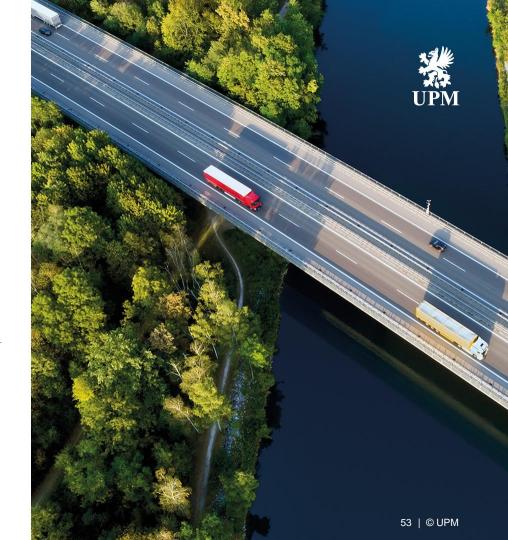
Products would significantly reduce carbon footprint in the road transport and aviation



Capacity would be up to 500,000t of renewable fuels incl. sustainable jet fuel

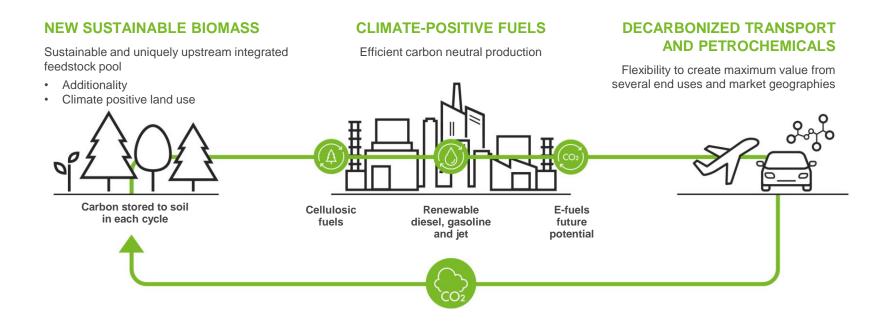


Potential investment in Rotterdam, the Netherlands.



UPM Biofuels' competitive edge to be built on resilient ecosystem and agility to select markets





UPM and hydrogen – growth opportunities in large-scale green hydrogen solutions

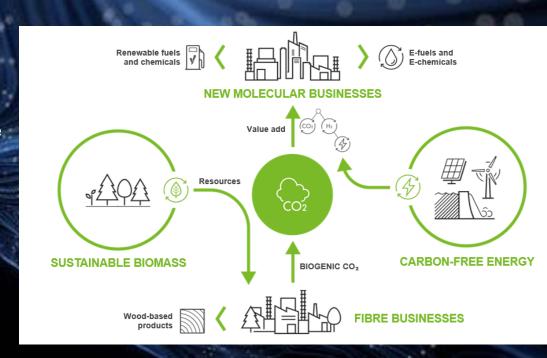


Decarbonisation will require synthetic fuels and new low-emission electricity generation

 demand for e-fuels will be driven by regulation and EU's target to decrease dependency on Russian fossil fuels

UPM has competitive advantage

- experience and in-depth knowledge on energy markets
- decarbonisation and energy optimization tools and skills
- experience on biorefinery operations
- available biogenic CO₂ needed in the production of some e-fuels



UPMBIOFORE BEYOND FOSSILS