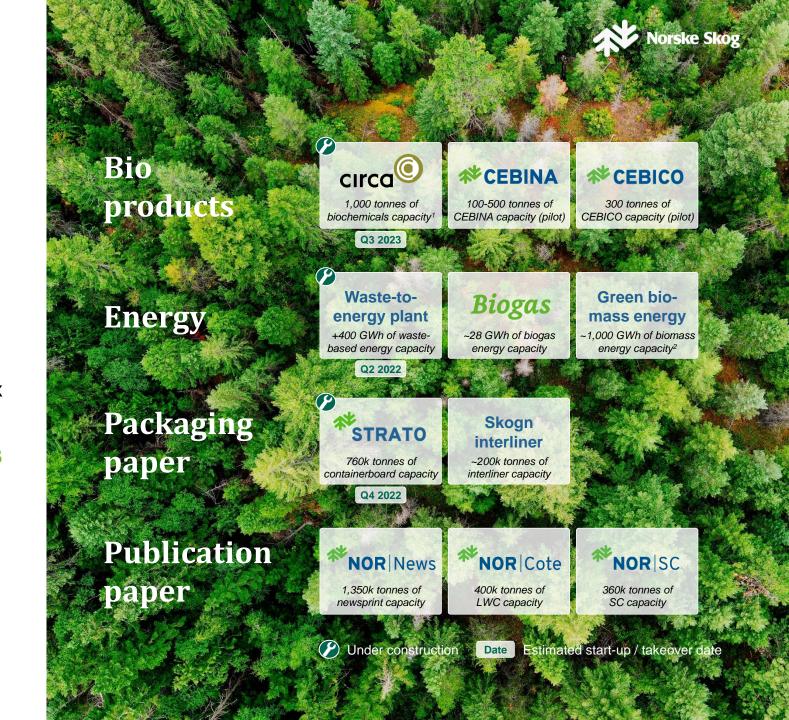


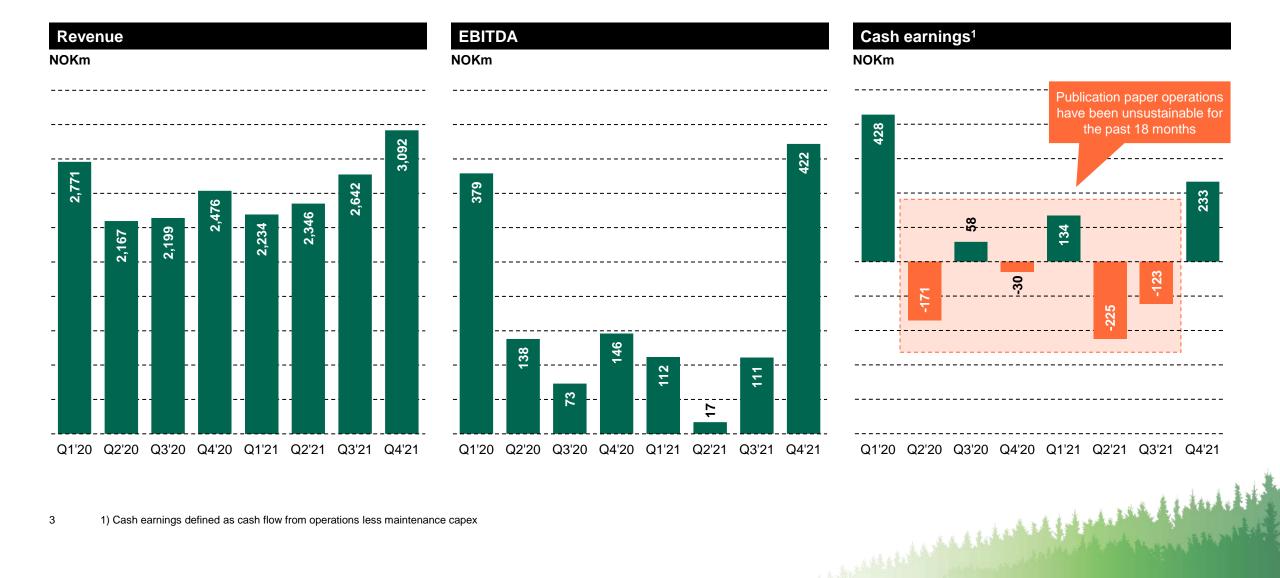
# Sustainable and innovative industry

- Global industrial company focusing on publication paper, packaging paper, energy and bio products
- Transitioning into markets with strong growth outlook and higher margins
- Takeover of waste-to-energy facility from Valmet Q2 2022 improving green energy mix
- Becoming a leading independent European recycled containerboard company in 2023
- Promising biochemicals and materials projects with CEBINA, CEBICO and Circa
- Portfolio of industrial sites foundation for further business development



## Earnings normalising as operating environment remains highly challenging







## Fourth quarter in brief

#### Necessary price increases for all product grades realised in Q4 2021 and into 2022

- Publication paper market tightening following significant capacity closures, further closures announced in 2022 and 2023
- Price increases addressing continued and unprecedented increases in energy and raw material prices

#### **EBITDA of NOK 422m in the quarter**

- EBITDA improvement from previous quarter with margins normalising towards the >10% area
- Continued strong negative earnings pressure from energy and raw material costs

#### Sale of CO<sub>2</sub> allowances

- All allowances for 2021 received, the full net surplus sold in the quarter leading to a positive cash impact
- CO<sub>2</sub> compensation for 2021 expected to be paid during H1 2022

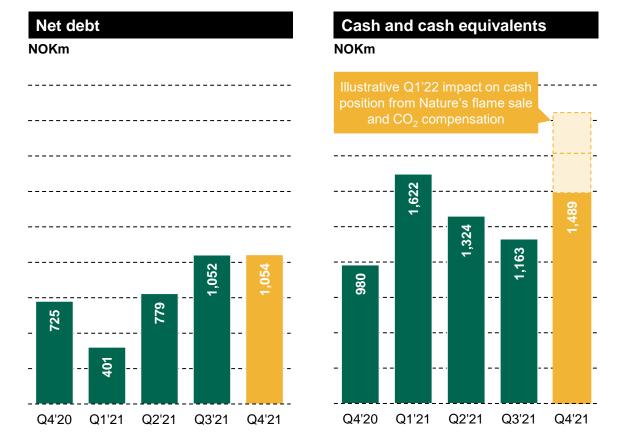
#### Entered into credit facilities to fully finance packaging paper projects

- Attractive terms for EUR 265m debt financing with average maturity towards the end of 2030
- Capex being incurred and debt facilities being drawn for both projects

#### Entered into agreement to sell Nature's Flame pellets facility following end of quarter

- Signed agreement to sell New Zealand pellets facility to Talley's for a consideration of NZD ~47.8m
- Cash proceeds of NZD ~47.8m and book value gain of NOK 150-200m expected during Q1 2022

## Liquidity headroom to execute strategic growth projects





#### Total liquidity sources of EUR ~490m

- Cash balance of NOK 1,489m (EUR ~149m)
- Proceeds of NZD ~47.8m (EUR ~28m) from Nature's Flame sale in Q1'22
- 2021 CO<sub>2</sub> compensation of NOK ~290m (EUR ~29m) expected paid in H1'22
- Undrawn strategic project¹ debt facilities of EUR ~255m
- Undrawn RCF of EUR 31m
- *Excluding* future cash earnings<sup>2</sup>

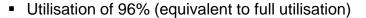
Remaining strategic project<sup>1</sup> capex of **EUR ~335m** 





## Segment financials for Q4 2021

Segment financials					
NOKm	Q4 2021	Q3 2021	Q4 2020	2021	2020
Europe					
Total operating income	2,648	2,183	1,899	8,412	7,412
ЕВІТОА	395	113	171	628	659
EBITDA margin	14.9%	5.2%	9.0%	7.5%	8.9%
Production (1 000 tonnes)	428	428	382	1,628	1,468
Deliveries (1 000 tonnes)	427	433	403	1,645	1,482
Production / capacity	96%	96%	80%	91%	77%
Australasia Total operating income	395	426	526	1,792	2,106
EBITDA	46	0	-13	44	106
EBITDA margin	11.6%	0.0%	-2.5%	2.5%	5.0%
Production (1 000 tonnes)	62	62	94	292	332
Deliveries (1 000 tonnes)	62	68	97	308	343
Production / capacity	87%	87%	87%	79%	76%
Other activities					
Total operating income	71	61	68	228	204
EBITDA	-19	-2	-12	-11	-29



- Realised prices in the quarter up +20% to previous quarter
- Continued high raw material prices (energy and recovered paper)

Utilisation of 87%

- Boyer is the only domestic publication paper supplier
- Publication paper price increases end of 2021

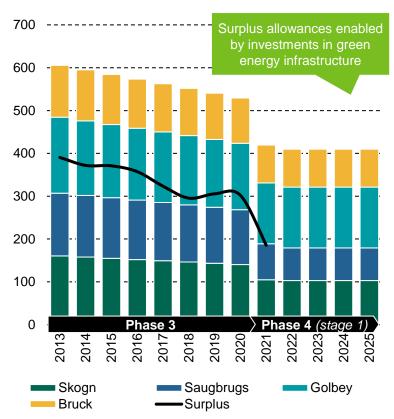


## Historical and ongoing investments in green energy enables low CO<sub>2</sub> footprint and emission allowance surplus



#### Allowance surplus due to green energy mix

Allocated allowances and net surplus, thousand allowances



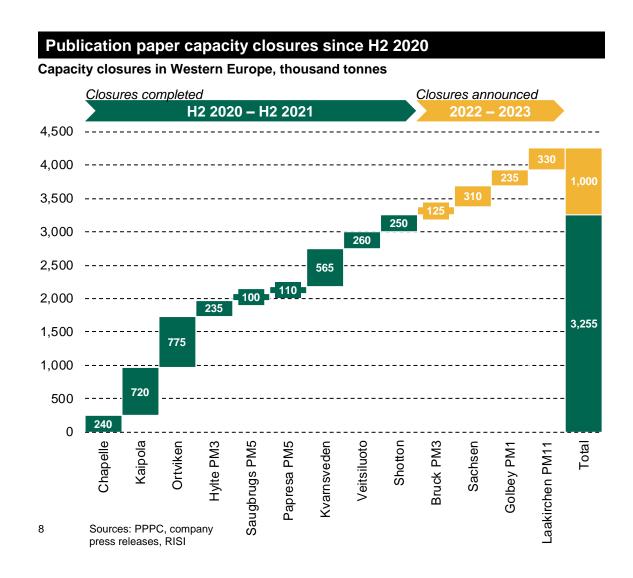
#### CO<sub>2</sub> prices reflecting the green shift

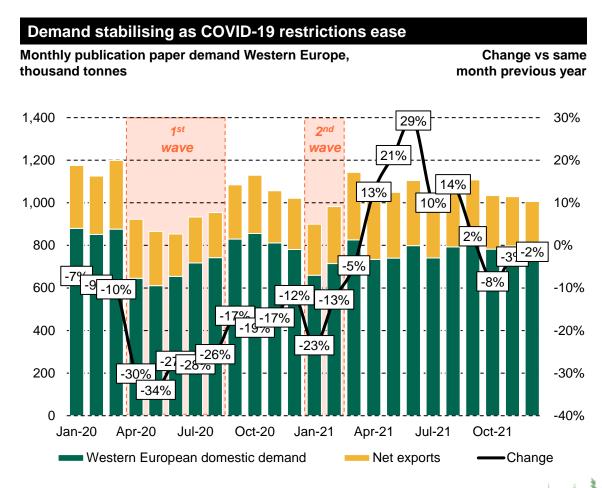


- Net allowance surplus for 2021 sold during Q4 2021, allowances for 2022 expected received in Q1 2022
- Indication to receive gross ~410k allowances per year in period 2022-2025
- Annual fossil CO<sub>2</sub> emissions of ~220k tonnes, to be reduced with ~150k tonnes from waste-to-energy plant (takeover from Valmet in Q2 2022)
- Allowance sale income booked quarterly based on annual surplus, cash proceeds received upon sale
- CO<sub>2</sub> cost compensation booked quarterly, cash proceeds received the year after booking

## Publication paper market tightening as COVID-19 restrictions ease and significant capacity exits the market

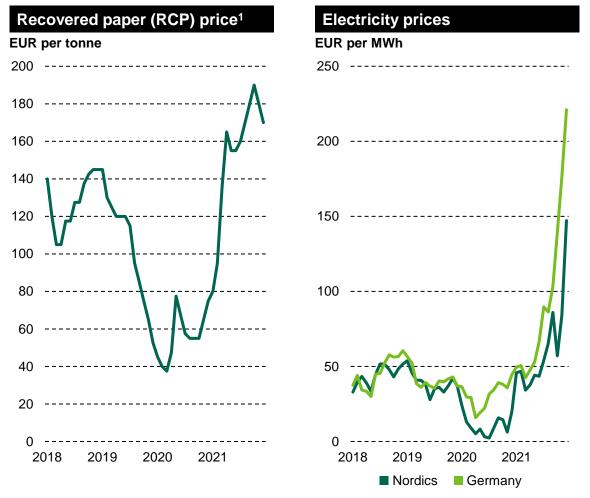


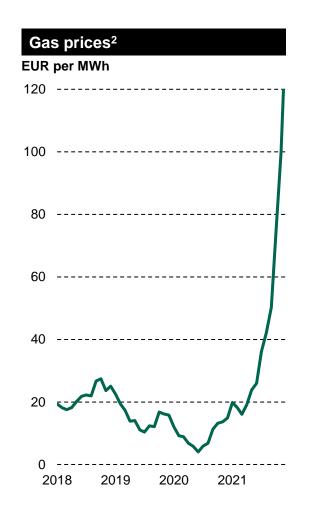


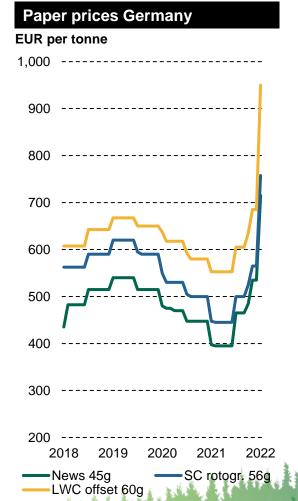


## Fibre and energy costs have squeezed industry margins to unsustainable levels driving necessary price increases



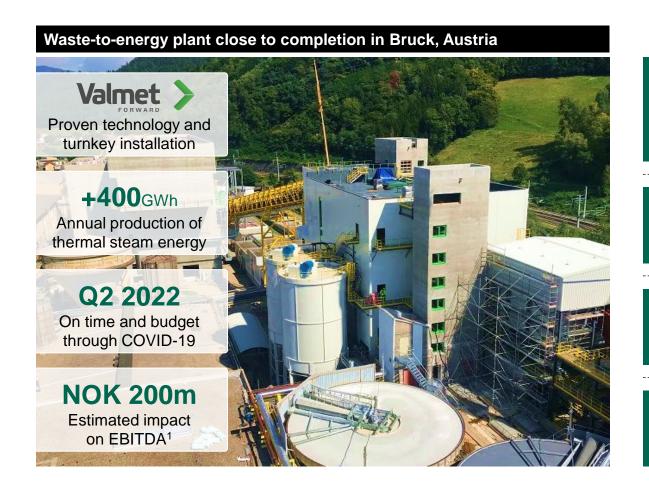






## Bruck waste-to-energy facility in commissioning and on track for takeover from Valmet in two months





Gate fees

- Revenue: Gate fees for 160kt of waste (RDF²)
- Operating costs: Staffing, maintenance, etc.
- Share of EBITDA impact: NOK ~100m annually

Energy

- Reduces annual gas consumption by ~0.7 TWh
- Increases electricity consumption by ~0.2 TWh

CO<sub>2</sub>

- Reduces annual CO<sub>2</sub> emissions by 150k tonnes
- Similar increase in net emission allowance surplus

Capital

- Invested EUR 59m to date of EUR 72m investment
- Drawn EUR 45m to date of EUR 54m loan facility

## On time and on budget for entry into the containerboard market

### Containerboard projects in progress

Site preparations and equipment orders underway

### Invested EUR ~30m as of Q4 2021

Project investment of EUR 350m (large share on contract)

### EUR 265m debt financing

ECA¹-backed debt financing enables highly competitive interest rates

### Q4 2022 first production

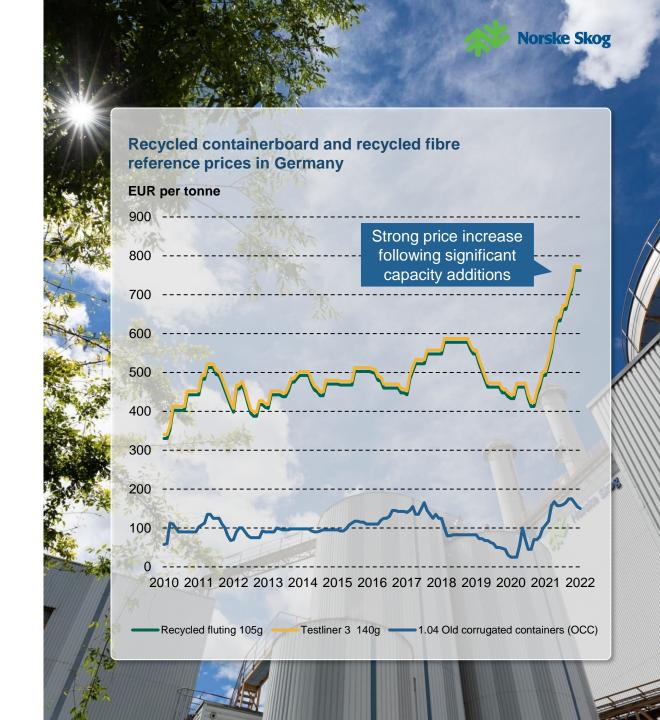
Stepwise introduction with Bruck in Q4 2022 and Golbey in Q4 2023

### 760,000 tonnes

Recycled containerboard production capacity

### Expected EBITDA of EUR 70-80m

Based on historical trend prices and full utilisation in 2025-26



## Packaging projects on track to enter high growth market





#### Paper Machine 1 (PM1)

- Today, 235k tonnes newsprint capacity
- Convert to 550k tonnes containerboard
- Stop newsprint production Q2 2023
- Start containerboard production Q4 2023
- Capex estimate of EUR ~250m

#### Paper Machine 2 (PM2)

- 330k tonnes newsprint capacity
- Ongoing production during PM1 conversion
- Strong candidate for future conversion





#### Paper Machine 3 (PM3)

- Today, 125k tonnes newsprint capacity
- Convert to 210k tonnes containerboard
- Stop newsprint production Q3 2022
- Start containerboard production Q4 2022
- Capex estimate of EUR ~100m

#### Paper Machine 4 (PM4)

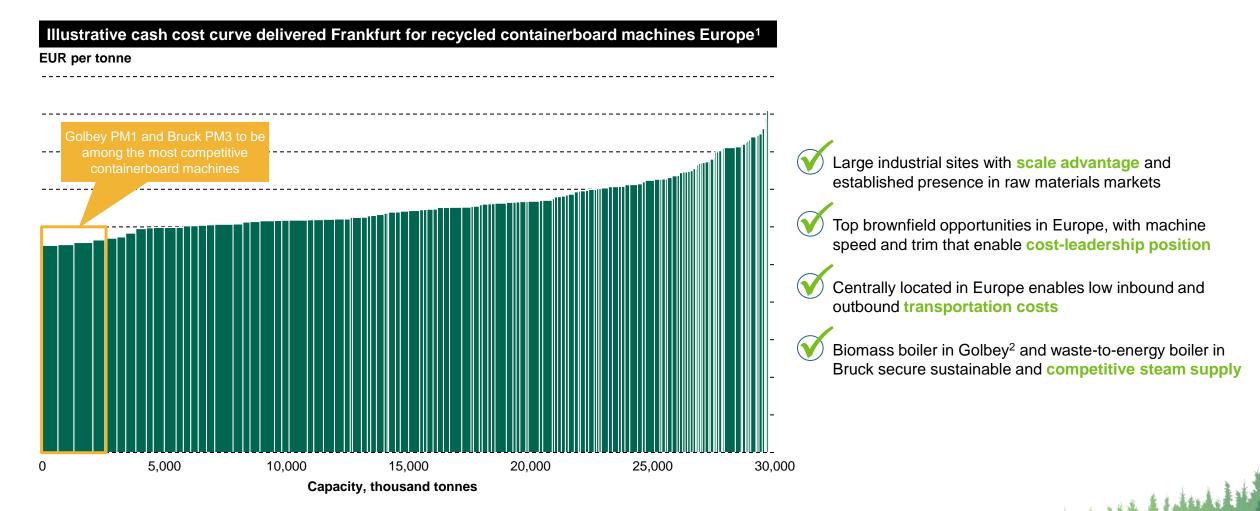
- 265k tonnes LWC magazine capacity
- Ongoing production during PM3 conversion
- Strong candidate for future conversion



#### Strong recycled containerboard demand growth **Operating rate Western Apparent consumption and net exports** Western Europe, million tonnes **Europe, million tonnes** 95% 93% 93% 80% +3.6% +1.6m +2.6% +3.1% +0.8mtonnes 60% +0.6m +0.7m tonnes tonnes tonnes 18 40% 20% 14 10 0% 2017 2020 2021 2018 2019 Total demand (incl. net exports) Operating rate

## Projects chosen on basis of first quartile cash cost position enabled by fundamental properties of the machines

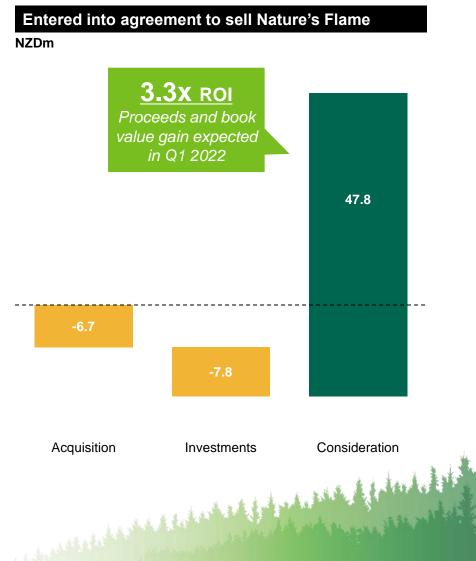




## Production of high quality and sustainable wood pellets to continue under new and local ownership



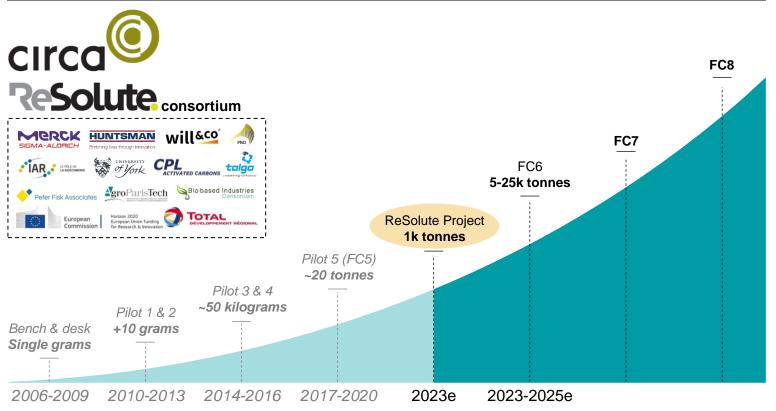




## Grant of EUR 8.2m under the France Relance programme, de-risking the ReSolute project



### Unique opportunity to become a leading provider of sustainable and non-toxic solvents



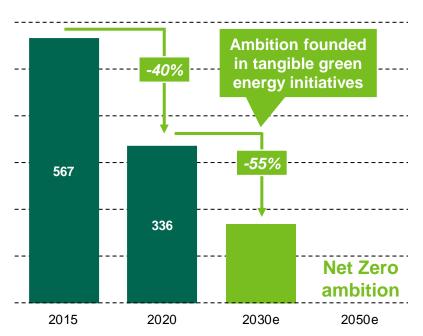
- Significantly de-risked financing for ReSolute with France Relance grant of EUR 8.2m
- Seek to establish strong supplier partnerships to enable and de-risk future growth journey
- High interest and several ongoing vendor dialogues regarding reactor and equipment orders
- Investigate on site conversion of biochar to energy for ReSolute production process (proof-of-concept)
- Norske Skog owns ~26% of Circa and will remain a strategic and long-term supporter of its ambition to deliver sustainable biochemicals at scale



## Reducing the environmental impact is at the forefront of all business decisions

#### **Carbon footprint development and ambition**

Kg CO<sub>2</sub> direct and indirect (scope 1 and 2) emissions per tonne produced<sup>1</sup>



CO<sub>2</sub> intensity significantly below the EU ETS<sup>2</sup> benchmark in 2020



 $A^{-\frac{B}{C}}$ 

Excellent reporting in line with best practice. Good description of material issues and relevant results. Clear strategy and specific, quantifiable targets.



CSR reporting applying the GRI<sup>3</sup> guidelines since 2003

#### **Highlighted green initiatives**

- New energy efficiency initiatives introduced during 2021<sup>4</sup>
- ✓ Waste-to-energy facility reducing CO₂
  footprint by 150k tonnes, takeover Q2 2022
- New Golbey biomass boiler<sup>5</sup> from Q2 2024, producing green steam and electricity from sludge and waste wood
- Increasing use of rail transport for fresh fibres in Norway, reducing road traffic

## Outlook

### **Publication paper markets**

- Improving operating rates in the industry
- Considerable paper price increases in Q4 2021 and into 2022
- Continued high prices for energy, recycled fibre and other input factors
- Remain a reliable supplier of all publication paper grades

### Strategic shift into new markets

- Continued commercialisation of CEBINA and CEBICO
- Bruck waste-to-energy facility takeover in Q2 2022
- Containerboard production to start in Q4 2022





Norske Skog ASA

Postal address: P.O. Box 294 Skøyen, 0213 Oslo, Norway

Visitors: Sjølyst Plass 2, 0278 Oslo, Norway

Phone: +47 22 51 20 20

Email: info@norskeskog.com Email: ir@norskeskog.com



This presentation contains statements regarding the future in connection with Norske Skog's growth initiatives, profit figures, outlook, strategies and objectives. All statements regarding the future are subject to inherent risks and uncertainties, and many factors can lead to actual profits and developments deviating substantially from what has been expressed or implied in such statements.