



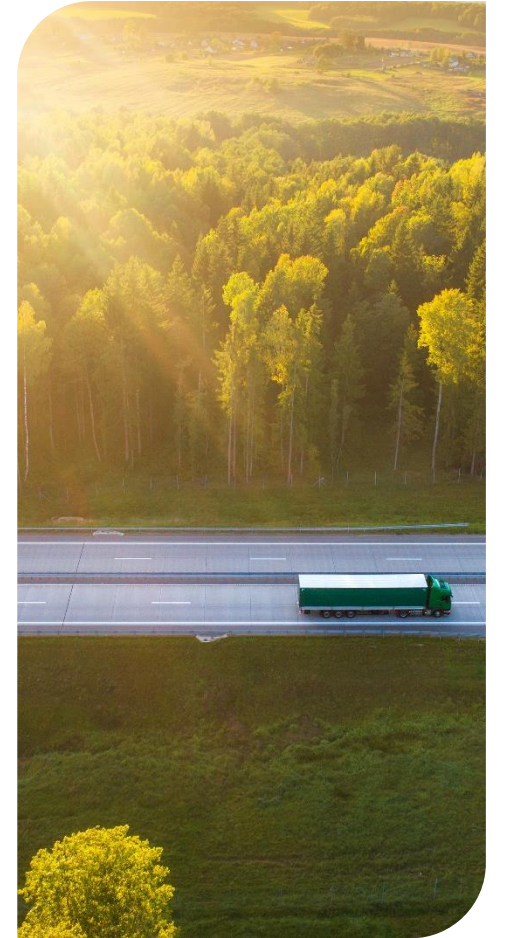
Valmet – Converting renewable resources into sustainable results

Sustainability equity story

August 2023

Agenda

- 1 Valmet today
- 2 Sustainability highlights from investor perspective
- 3 Valmet's R&D addresses global megatrends
- 4 Summary





Valmet today

Valmet has unique offering and strong market shares in the growing market of converting renewables

- Unique offering for pulp, paper and energy industries
- Enabler for carbon neutral pulp and paper processes and fossil free bioenergy production
- Leading market positions globally
- Valmet's customers promote circular bioeconomy
 - Pulp producers
 - Packaging board and tissue producers
 - Heat and power producers
- Differentiation from competitors with the market's widest offering consisting of process technologies, services and automation
- Potential to enable significant CO₂ emission reductions for customers by
 - Eliminating the need for fossil energy in the production process
 - Increasing energy efficiency

Key figures for 2022

Net sales

EUR 5,074 million

Comparable EBITA

EUR 533 million

Comparable EBITA margin

10.5%

Order backlog

EUR 4,403 million

Employees

17,548

Valmet's Way Forward

Mission

Converting renewable resources into sustainable results

Strategy

Valmet develops and supplies competitive and reliable process technologies, services and automation to the pulp, paper and energy industries.

Our automation business covers a wide base of global process industries.

We are committed to moving our customers' performance forward with our unique offering and way to serve.

Continuous improvement and renewal

Must-Wins

- Customer excellence
- Leader in technology and innovation
- Excellence in processes
- Winning team

Business accelerators

Vision

To become the global champion in serving our customers and in moving the industries forward

Our Values



Customers

We move our customers' performance forward



Renewal

We promote new ideas to create the future



Excellence

We improve every day to deliver results




People

We work together to make a difference

Megatrends

- Resource efficient and clean world
- Digitalization and new technologies
- Urban, responsible and global consumer



Sustainability highlights from investor perspective

Valmet's business is supported by several favorable global sustainability trends

Targets for CO₂ emission reductions



Replacing plastics in packaging products by renewable materials



Circular economy

- Efficient use of sidestreams, recycling, recovery and reduction of waste
- Maintenance and re-use of equipment



Replacing fossil fuels with renewables



CO₂ neutral energy and heat production



Emission reductions



Energy efficiency



Water efficiency



Raw material efficiency



Chemical efficiency



Occupational safety



Updated Sustainability Agenda

Sustainability 360° agenda covers the entire value chain

Environment

We enhance circularity and environmental efficiency and reduce CO₂ emissions through the entire value chain. Valmet aims to enable fully carbon neutral production for its customers by 2030.

Social

We promote an engaging work environment, commit to the health and safety of our people and partners, and strive to be a responsible corporate citizen.

Governance

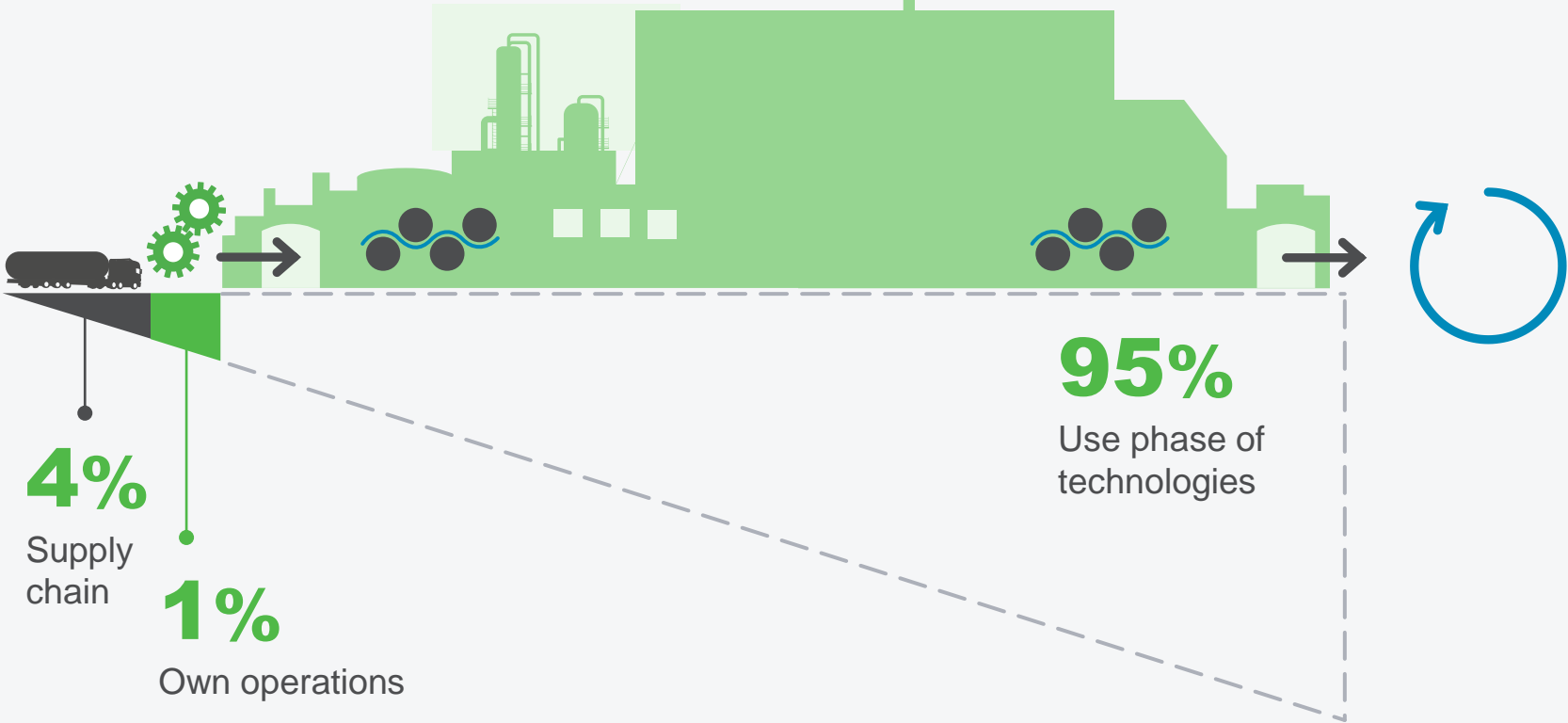
We follow ethical business practices, ensure a sustainable supply chain and report in a transparent manner.



The main environmental impacts of Valmet's products are caused when they are used

Learn more about Valmet's value creation:
<https://www.youtube.com/watch?v=SsntF7P5Avs&t=6s>

Product life cycle is 10 – 100 years



Valmet's climate program: Forward to a carbon neutral future

- Separate CO₂ targets for the entire value chain by 2030: supply chain, own operations and use phase
 - The biggest impact comes from the use phase of Valmet's technologies
- In the use phase, the program targets 20% energy efficiency improvement in selected current technologies and enabling 100% carbon neutral production for Valmet's pulp and paper customers
- Already today, the heat and power producers can produce carbon neutral energy with Valmet's biofuel-based energy boilers
- The targets are approved by the Science Based Targets initiative (SBTi) and the program is aligned with
 - Paris Climate Agreement's 1.5-degree pathway
 - United Nations Sustainable Development Goals

TARGETS BY 2030

SUPPLY CHAIN

-20%

CO₂ emission reduction¹

OWN OPERATIONS

-80%

CO₂ emission reduction¹

USE PHASE OF VALMET'S TECHNOLOGIES

-20%

Further reduced energy use of Valmet's current technologies¹

100%

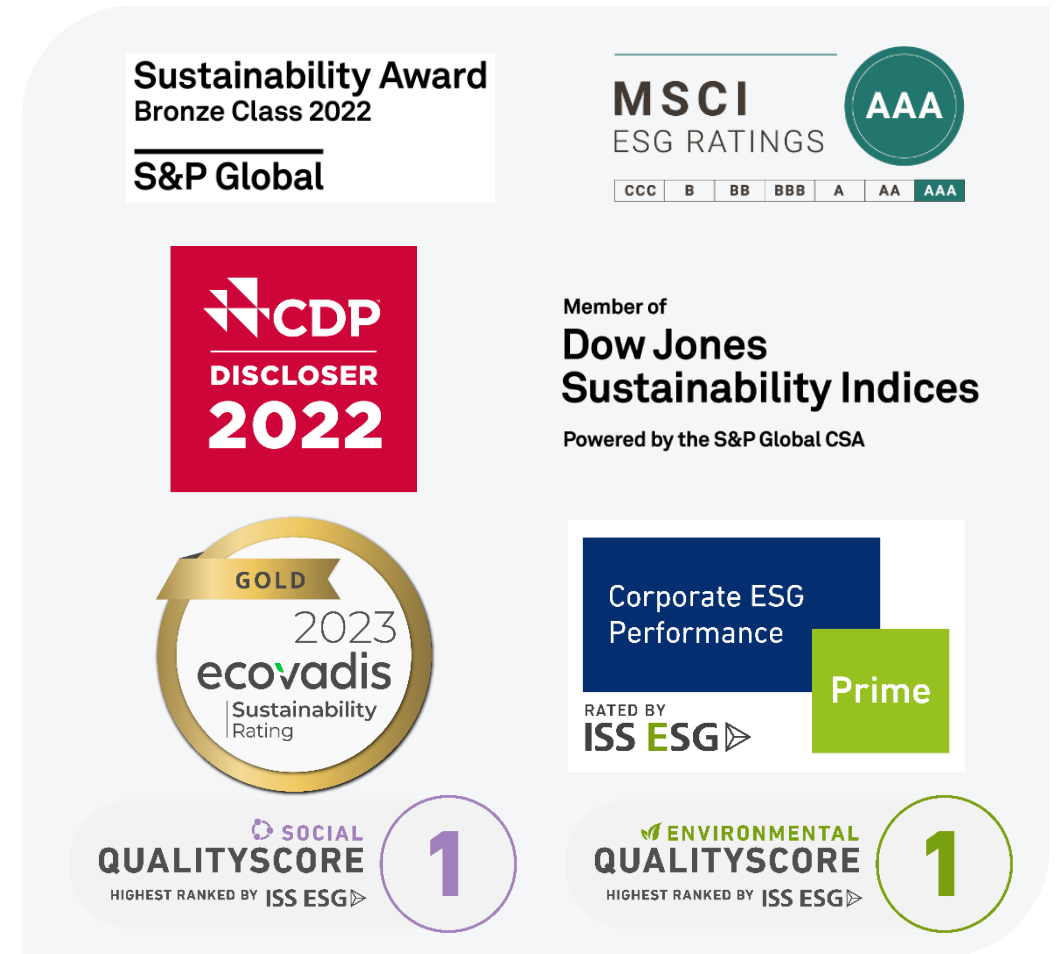
Carbon neutral production


1) Baseline 2019

Acknowledged leader in sustainability

Good sustainability rankings

- In Dow Jones Sustainability Index for the ninth consecutive year
- AAA rating in the MSCI ESG Ratings assessment 2022
- Achieved A- rating in CDP's climate program ranking in 2022





Valmet's R&D addresses global
megatrends

Valmet's R&D is aiming to address global megatrends

R&D focus areas

- Promotion of renewable materials
- Raw material, water and energy efficiency
- Emission reductions
- Circularity
- Productivity and environmental improvements with digitalization

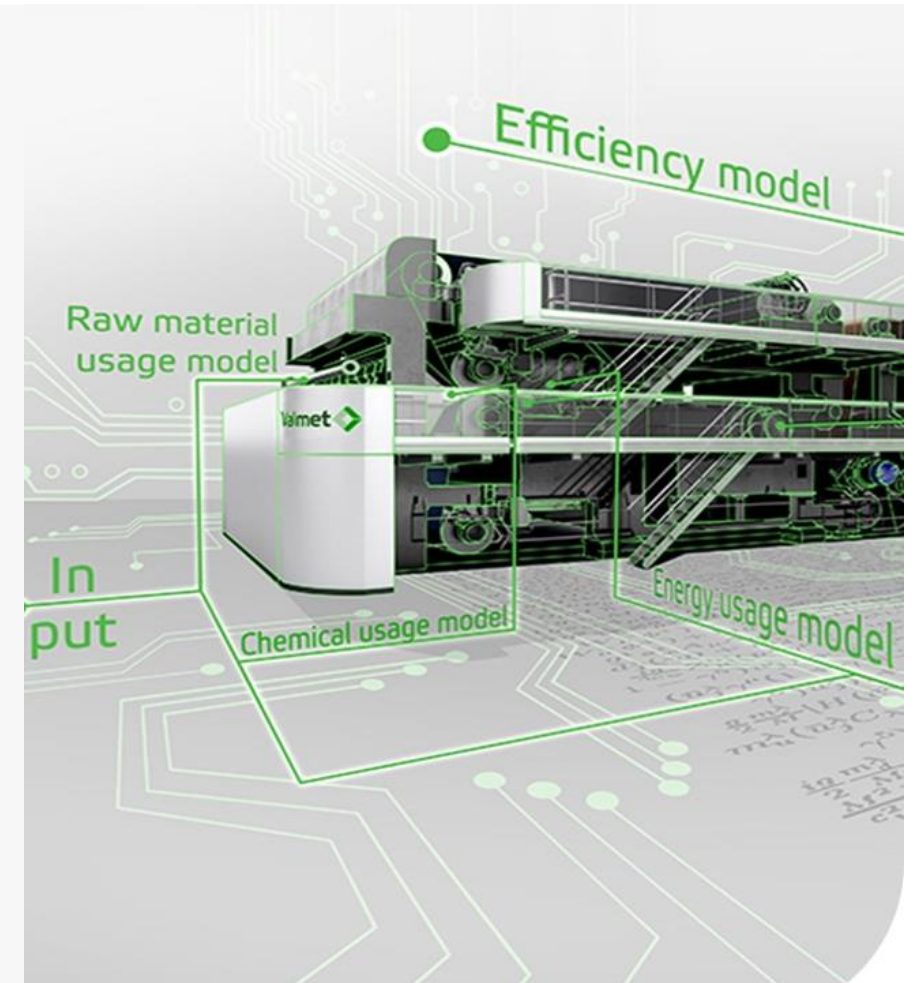
28
research and
development centers



EUR **95** million
R&D spending
in 2022



~1,300
protected
inventions



Illustrative figures of the combined company.

Case examples



OptiConcept M modular board production line

- **30%** lower energy consumption compared to average
- Less fiber through light-weight end product
- **30%** Saving in fresh water consumption
- Smaller carbon footprint through compact design
 - Up to 40% less hall space, up to 430,000 kg less CO₂ emissions



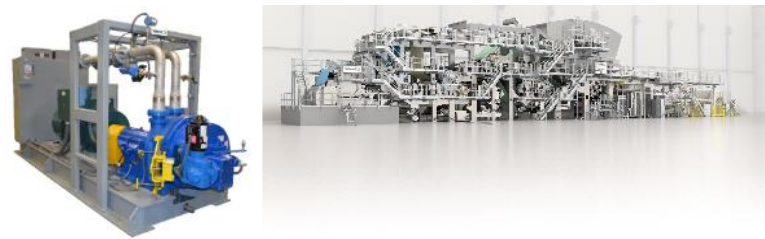
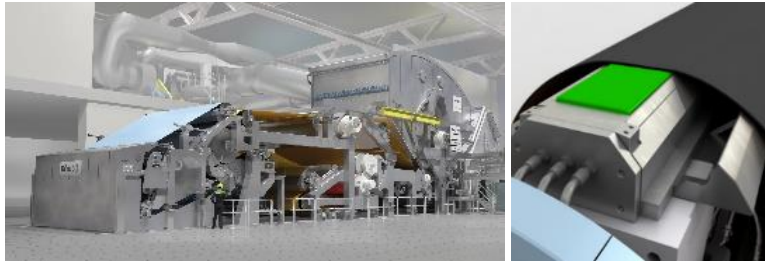
Valmet's biomass-fired power boiler to Høfor in Copenhagen

- Valmet is supporting Copenhagen to become CO₂ neutral by 2025
- **1.2 m ton** decreased CO₂ emissions per year
- **~3%** reduction in Denmark's annual CO₂ emissions

Example: Driving development of resource efficient tissue production

Progress in reduced environmental footprint

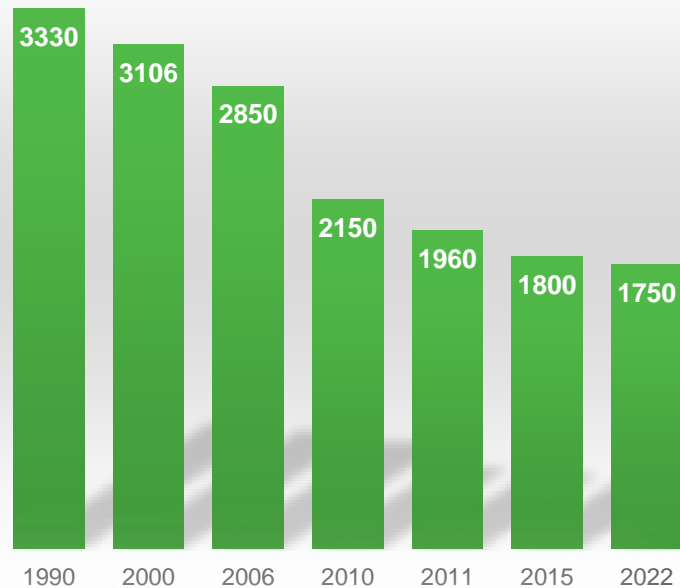
Less fibre consumption**



- Hybrid Technologies,
- ViscoNip press
- Non Wood fibers & MFC

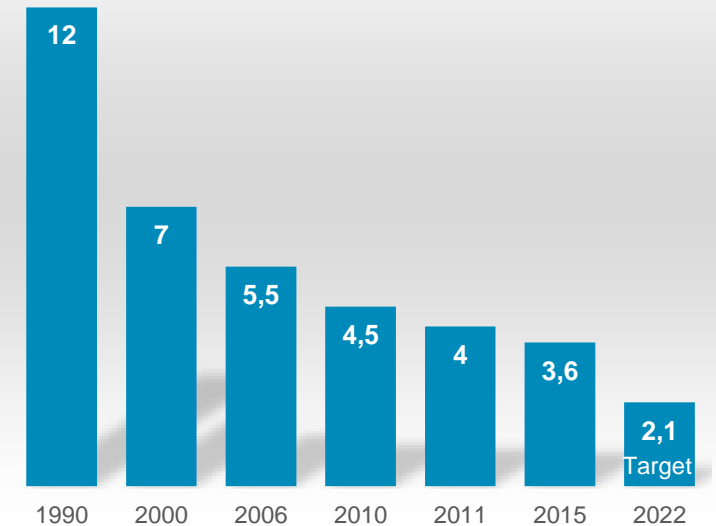
47% less energy*

Energy /ton paper [kWh/ton]



80% less water*

Water /ton paper [m³/ton]



* DCT type of mill, same production and basis weight

** Achieving the same main tissue specific paper properties

Advantage DCT 200, 18gsm, 2 000 m/min. 234 TPD

Future growth possibilities from new sustainable innovations



- SPINNOVA® fibre is produced from cellulose or waste streams without involving any harmful chemicals, with minimal water use and emissions, and zero waste
- Valmet provides Spinnova the drying machines with high-technology air dryers
- The technology is utilized already today in paper and board making, and it is adapted to the cellulose based textile fibre production

Photo: Spinnova



- Renewcell produces dissolving pulp from cellulosic textile waste, such as cotton and viscose clothes
- The end product is produced fully from recycled textiles
- Renewcell's product is used by its customers to make regenerated cellulose fibers for textile applications
- Valmet provides the main equipment for Renewcell's new plant in Sweden
- The equipment is commonly used in large scale state-of-the-art dissolving pulp plants and it is tailored for this project

Photo: Renewcell / Alexander Donka



- Pilot plant built together with Metsä Spring in Finland
- The plant produces ready-made 3D fibre packages directly from wet wood fibre pulp without intermediate steps
- The 3D products could replace plastic in various packaging solutions



- LignoBoost is Valmet's technology for extracting lignin from the pulping process
- Until today, almost all the lignin separated during pulping has been used as a non-fossil-based fuel to generate steam and power for the mill processes and local communities
- For example, in lithium-ion batteries, synthetic graphite (a non-renewable material) can be replaced by lignin-derived carbon-based anode materials



Summary

Summary

- 1 Valmet's business is supported by several favorable global sustainability trends
- 2 Sustainability is integrated to Valmet's processes through the Sustainability 360° agenda
- 3 The main environmental impacts of Valmet's products are caused when they are used
- 4 Valmet's climate program covers its entire value chain and targets CO₂ emission reductions and carbon neutral production for Valmet's customers by 2030
- 5 Valmet is acknowledged leader in sustainability





Appendix

Sustainability key figures

	2022	2021	2020
Environment			
Scope 1-3 CO ₂ emissions (1,000 t) ¹	76,431	72,860	56,065
Total energy consumption (tJ)	1,519	1,524	1,362
Water withdrawal (1,000 m ³)	1,681	1,554	1,408
Waste (1,000 t)	43	43	44
NO _x , SO _x , and other significant air emissions (1,000 t)	0.1	0.1	0.1
R&D Costs (MEUR) ²	95	82	75
Social			
Employees globally	17,548	14,246	14,046
Employee turnover (%)	9.7	9.0	6.8
Personnel expenses (MEUR)	1,171	948	891
Total recordable incident frequency (TRIF) for own employees ³	3.2	3.1	3.1
HSE walks, inspections, conversations	12,400	4,100	2,600
HSE events	42,200	34,100	25,700
Support of non-profit organizations (MEUR)	0,41	0.31	0.26
Governance			
Net sales (MEUR)	5,074	3,935	3,740
Comparable EBITA margin (%)	10.5%	10.9%	9.8%
Balance sheet total (MEUR)	6,273	4,420	3,959
Income taxes paid (MEUR)	93	99	75
Dividend per share (EUR)	1.30	1.20	0.90
Female board members (%)	37%	37%	43%
Supplier sustainability audits	45	41	34

¹ Market based Scope 1-2 CO₂ emissions (1,000 t) were 86.2 in 2022, 102.7 in 2021 and 106.4 in 2020. The figures for 2020 and 2021 have been restated due to updated emissions factors and improved data quality

² Valmet is investing every year to the development of new energy and resource efficient solutions products and services through R&D. All Valmet's new products and services have a positive environmental impact. Valmet launches around 100 new products onto the market every year and it has around 1,300 protected inventions. For 2022, illustrative figure of the combined company.

³ TRIF is based on the number of recordable work-related injuries per million hours worked.

Valmet enables circular bioeconomy

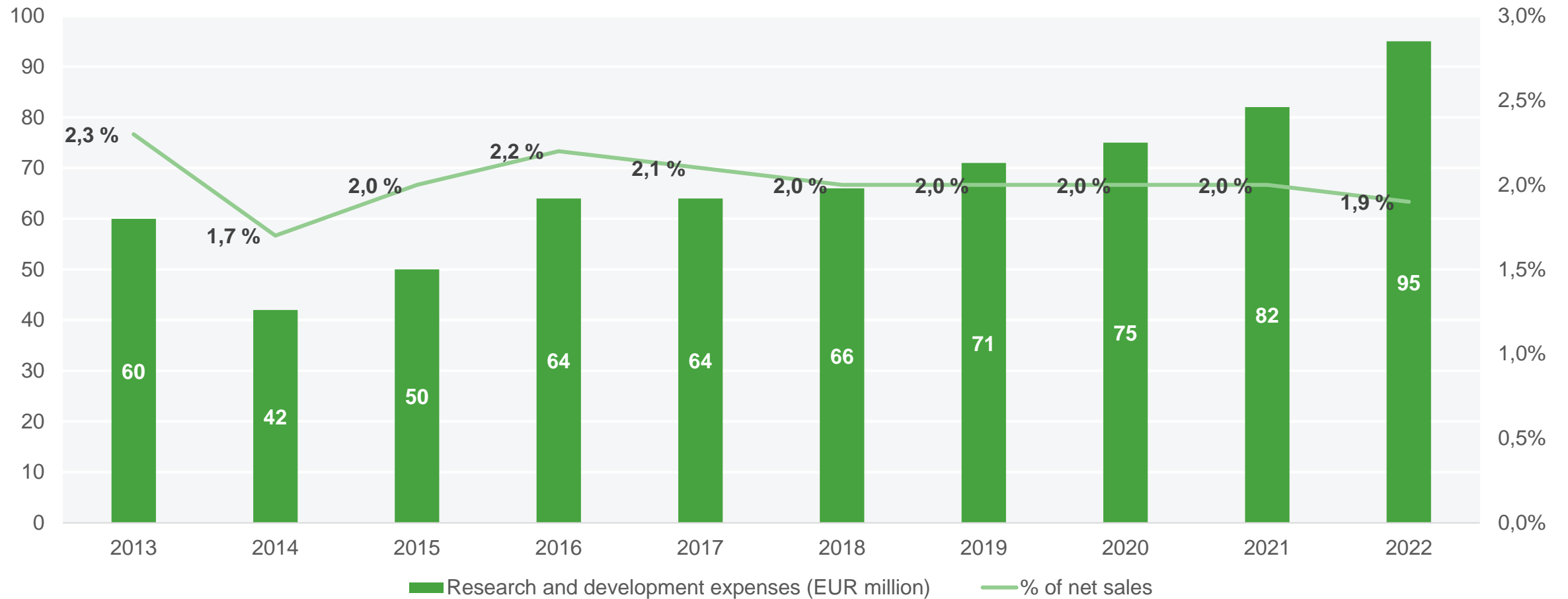
Implementing circular economy in own operations

- Preventive maintenance
- Use of recycled metals
- Continuous improvement of energy and water efficiency
- Shared laboratory and piloting facilities with customers

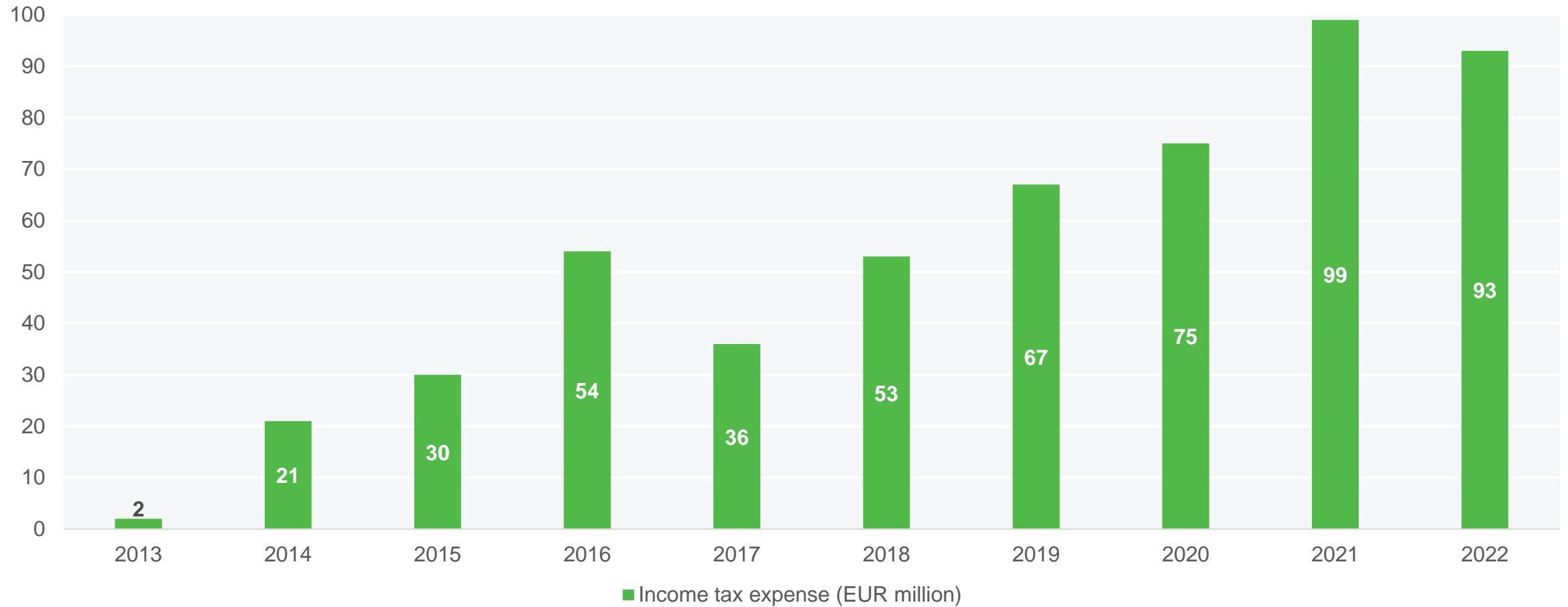
Enabling circular economy for customers

- Resource efficiency with focus on improved and optimized use of resources and on flexible energy production
- Closed circles enabled through recovery of energy and chemicals
- Longer circulation with focus on design enabling reuse and conversion and on maintenance and modernization of production technology
- Solutions for new bio-based products that decrease the need for non-renewable materials
 - For example LignoBoost®

Research and development costs



Income tax expenses paid



Board of Directors



Mikael Mäkinen
(b. 1956)
Chairman of
the Board
Finnish citizen

- M.Sc. (Eng.)
- Other positions of trust:
 - Chairman of the Board of AkerArctic Technology Inc. and Corvus Energy
 - Board member in SSAB AB and Finnlines Oyj
- Share ownership: 9,364
- Independent of company: Yes
- Independent of owners: Yes



Jaakko Eskola
(b. 1958)
Vice-Chairman of
the Board
Finnish citizen

- M.Sc. (Eng.)
- Other positions of trust:
 - Chairman of the Board of Enersense International Oyj, Varma Mutual Pension Insurance Company, Suominen Oyj and Cargotec Oyj
- Share ownership: 3,472
- Independent of company: Yes
- Independent of owners: Yes



Aaro Cantell
(b. 1964)
Board member
Finnish citizen

- M.Sc. (Tech.)
- Other positions of trust:
 - Chairman of the Board of Normet Group Oy and Technology Industry Employers of Finland
 - Vice-Chairman of the Board of Solidium Oy
- Share ownership: 9,247
- Independent of company: Yes
- Independent of owners: No



Anu Hämäläinen
(b. 1965)
Board member
Finnish citizen

- M.Sc. (Econ.)
- VP, Group Treasury and Financial Services at Kesko
- Other positions of trust:
 - Board member of Finnish Fund for Industrial Cooperation Ltd. (FINNFUND) and Vähittäiskaupan Tilipalvelu VTP Oy
- Share ownership: 3,078
- Independent of company: Yes
- Independent of owners: Yes



Pekka Kemppainen
(b. 1954)
Board member
Finnish citizen

- Lic.Sc. (Tech.)
- Other positions of trust:
 - Board member in Bittium Oyj and Junttan Oy
- Share ownership: 5,417
- Independent of company: Yes
- Independent of owners: Yes



Per Lindberg
(b. 1959)
Board member
Swedish citizen

- M.Sc. Mechanical Engineering
- PhD, Industrial Management and Economics
- Other positions of trust:
 - Chairman of the BoD of Permascand AB and Nordic Brass Gusum AB
 - Board member in Boliden AB
- Share ownership: 2,473
- Independent of company: Yes
- Independent of owners: Yes



Monika Maurer
(b. 1956)
Board member
German citizen

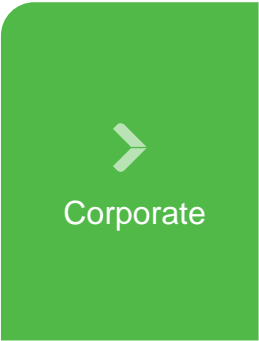
- Diploma in Physics and Chemistry
- Diploma in Pedagogy
- CEO of Radio Frequency Systems
- Other positions of trust:
 - Vice Chairman of the Board of Nokia Shanghai Bell, Co. Ltd
- Share ownership: 5,417
- Independent of company: Yes
- Independent of owners: Yes



Eriikka Söderström
(b. 1968)
Board member
Finnish citizen

- M.Sc. (Econ.)
- Other positions of trust:
 - Board member of Bekaert, Kempower Oyj and Amadeus IT Group
- Share ownership: 6,547
- Independent of company: Yes
- Independent of owners: Yes

Executive Team



Pasi Laine
President and CEO
Share ownership: 185,946



Katri Hokkanen
CFO
Share ownership: 7,145



Julia Macharey
SVP, Human Resources and
Operational Development
Share ownership: 41,110



Anu Salonsaari-Posti
SVP, Marketing, Communications,
Sustainability and Corporate Relations
Share ownership: 33,693



Aki Niemi
Business Line President,
Services
Share ownership: 65,762



Emilia Torttila-Miettinen
Business Line President,
Automation Systems
Share ownership: 734



Simo Sääskilahti
Business Line President,
Flow Control
Share ownership: 4,401



Sami Riekkola
Business Line President,
Pulp and Energy
Share ownership: 19,105



Jari Vähäpesola
Business Line President,
Paper
Share ownership: 64,126



Jukka Tiitinen
Area President,
North America
Share ownership: 96,822



Celso Tacla
Area President,
South America
Share ownership: 97,742



Tero Kokko
Area President,
EMEA
Share ownership: 2,608



Xiangdong Zhu
Area President,
China
Share ownership: 33,607



Petri Paukkunen
Area President,
Asia Pacific
Share ownership: 11,658

Remuneration of the President and CEO

- The remuneration of the President and CEO is comprised of
 - fixed base salary (incl. taxable benefits¹)
 - short-term and long-term incentives, and
 - pension and insurance benefits
- In 2022, the President and CEO's monthly fixed compensation was EUR 60,859 and the fixed annual salary EUR 766,817 (incl. taxable benefits¹).
- The relative proportion of the variable pay elements at maximum level is 2–3 times the fixed pay
 - The maximum short-term incentive for the President and CEO corresponds to 100 percent of the annual base salary and the maximum long-term incentive is 150 percent of annual base salary determined as a number of shares at grant.
- The President and CEO is recommended to own and hold Company shares equaling to the CEO's gross annual base salary (100 percent ownership recommendation)
 - Current ownership ca. EUR 5.6 million (calculated with EUR 30.00 share price)
- The additional pension plan is 20% of the annual base salary
- Severance pay (if the company terminates the agreement) equals to six months' notice period plus severance pay corresponding to the last total monthly salary multiplied by 18

1) A company car and phone allowance.

Remuneration of the Executive Team

- The remuneration of the Executive Team members comprises
 - fixed base salary (incl. monthly salary and taxable benefits¹)
 - short-term and long-term incentives, and
 - a supplementary pension plan
- Additional pension benefit in the form of a defined contribution pension plan equaling 15–20% of base salary depending on role
- Notice period is six months for both parties. If the company terminates the agreement, there is an additional severance pay equaling six times the last total monthly salary

¹) Such as a company car and a phone allowance, according to the local legislation and market practice.

The Performance Share Plan for CEO and Executive Team members

- Includes a three-year performance period parallel to a one-year performance period
- Measures for the one-year performance period are based on long-term strategic and financial targets. The measures have remained the same for the past eight years to ensure continuity and support to the long-term business performance.
- One-year performance period followed by a two-year restriction period, full vesting after three years
- Three-year performance period has a strategic target supporting our long-term strategy. Strategic target can be for example a strategic acquisition, progress according to our ESG action plan and long-term climate program or similar
- The Performance Share Plan includes a recommendation for the members of Valmet's Executive Team to accumulate, and once achieved, hold an amount of Company shares equaling their gross annual base salary (100% ownership recommendation)

