



Company Presentation

Agenda

1. PVA TePla at a glance
2. Business units
 - Semiconductor Systems
 - Industrial Systems
3. Annual figures
4. Outlook





1. PVA TePla at a glance

Technology Leadership:

Pooling Technologies, Capacities & Resources

The 4 Pillars of our Growth Story

1. Crystal growing: capacity expansion

Make use of strong market development of silicon wafers and their manufacturers

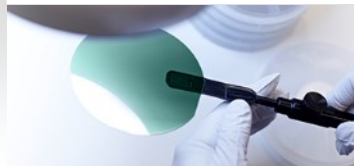
Capitalize on strong position as a key supplier to the industry



2. Crystal growing: silicon carbide

Focused the major application: Electric driven vehicles and power electronics

SiC as breakthrough technology with exponential growth opportunities



3. Metrology: serve rising demand

Design rules drive the demand for additional metrology solutions

Metrology as an enabler to produce higher quality materials outside the semi space



4. Diffusion bonding & 3d printing:

Developing new markets for advanced materials

Leverage expertise of technologies to develop new markets and areas of application

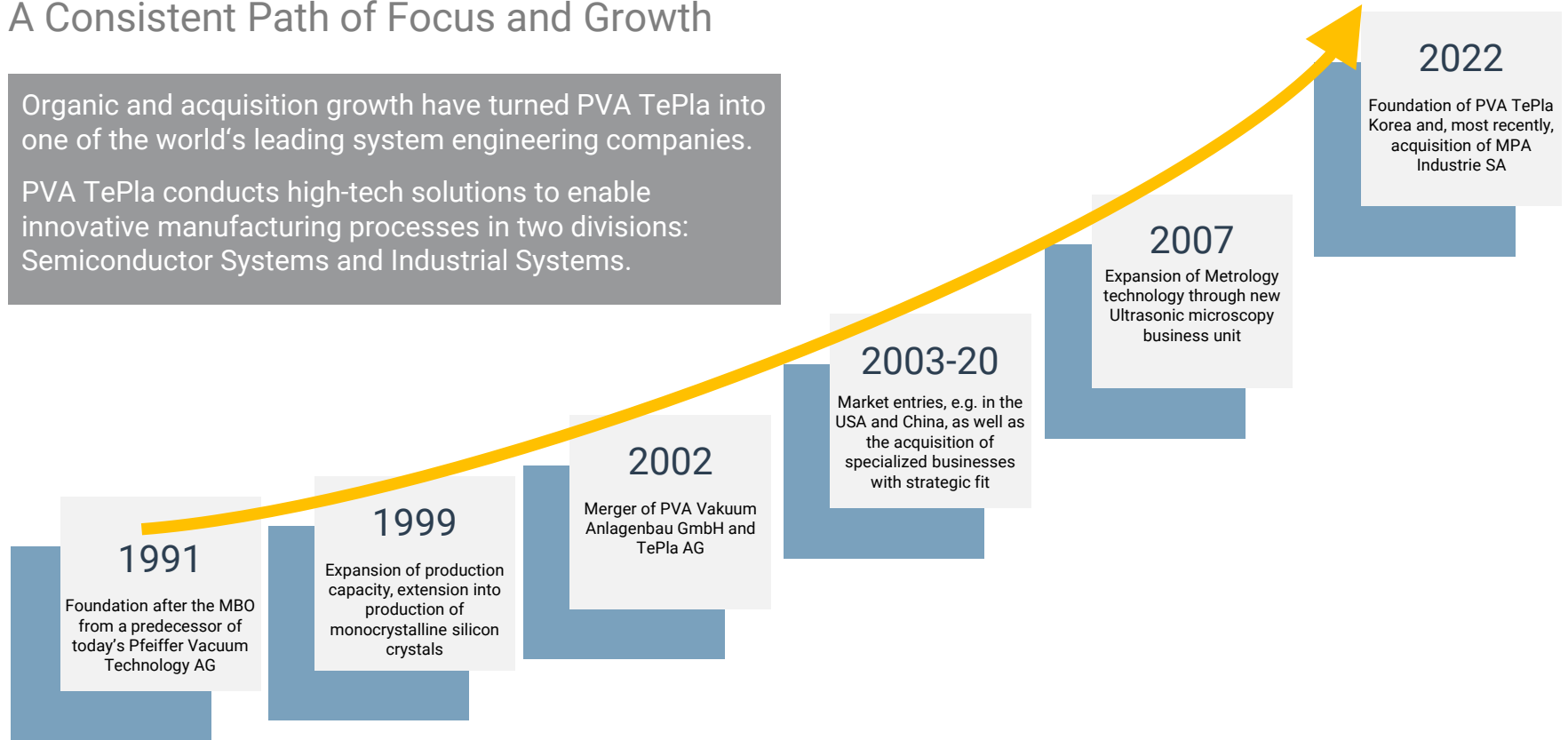


How We Have Evolved

A Consistent Path of Focus and Growth

Organic and acquisition growth have turned PVA TePla into one of the world's leading system engineering companies.

PVA TePla conducts high-tech solutions to enable innovative manufacturing processes in two divisions: Semiconductor Systems and Industrial Systems.



PVA TePla is one of the world's leading system engineering companies

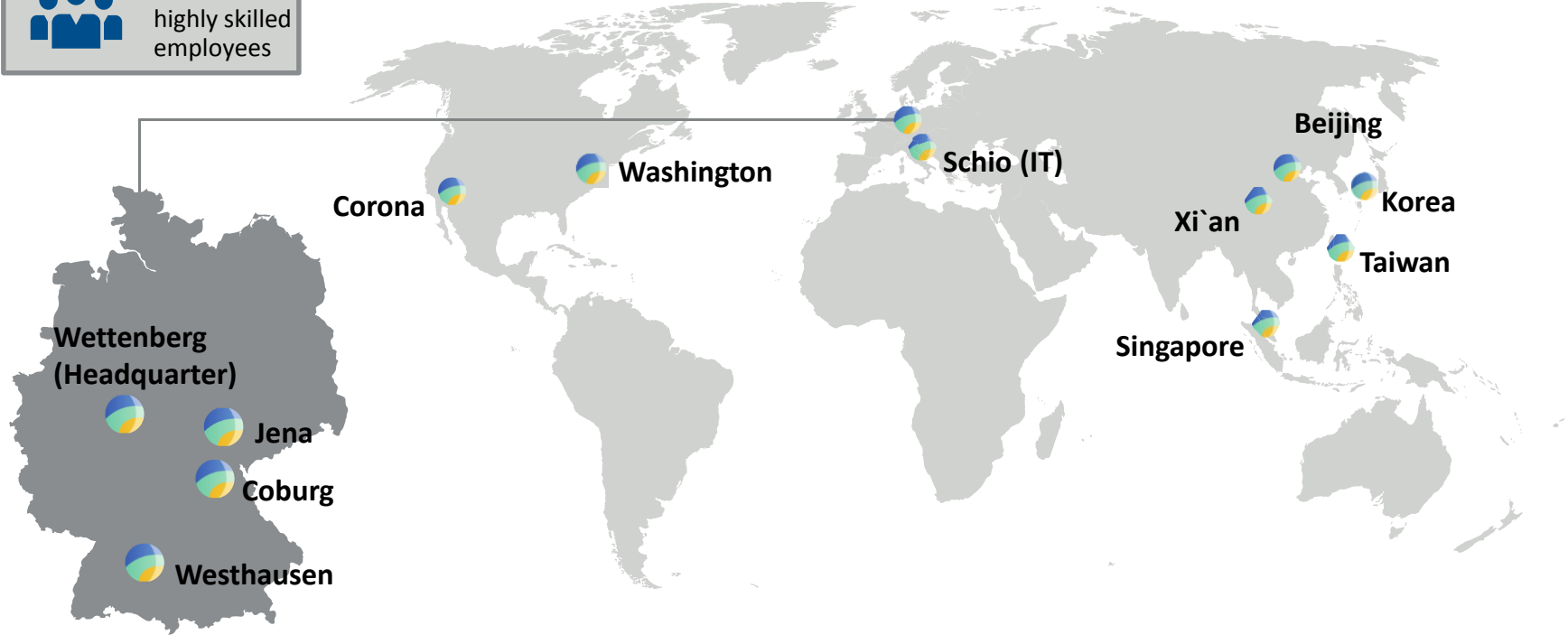
We provide high tech solutions to enable innovative materials and manufacturing processes

Our customers in the semiconductor, electrical & electronic, optical and hard metal industries profit from customized solutions from a single source

We support the megatrends Digitization, E-Mobility and Energy



International network of locations fosters resilience



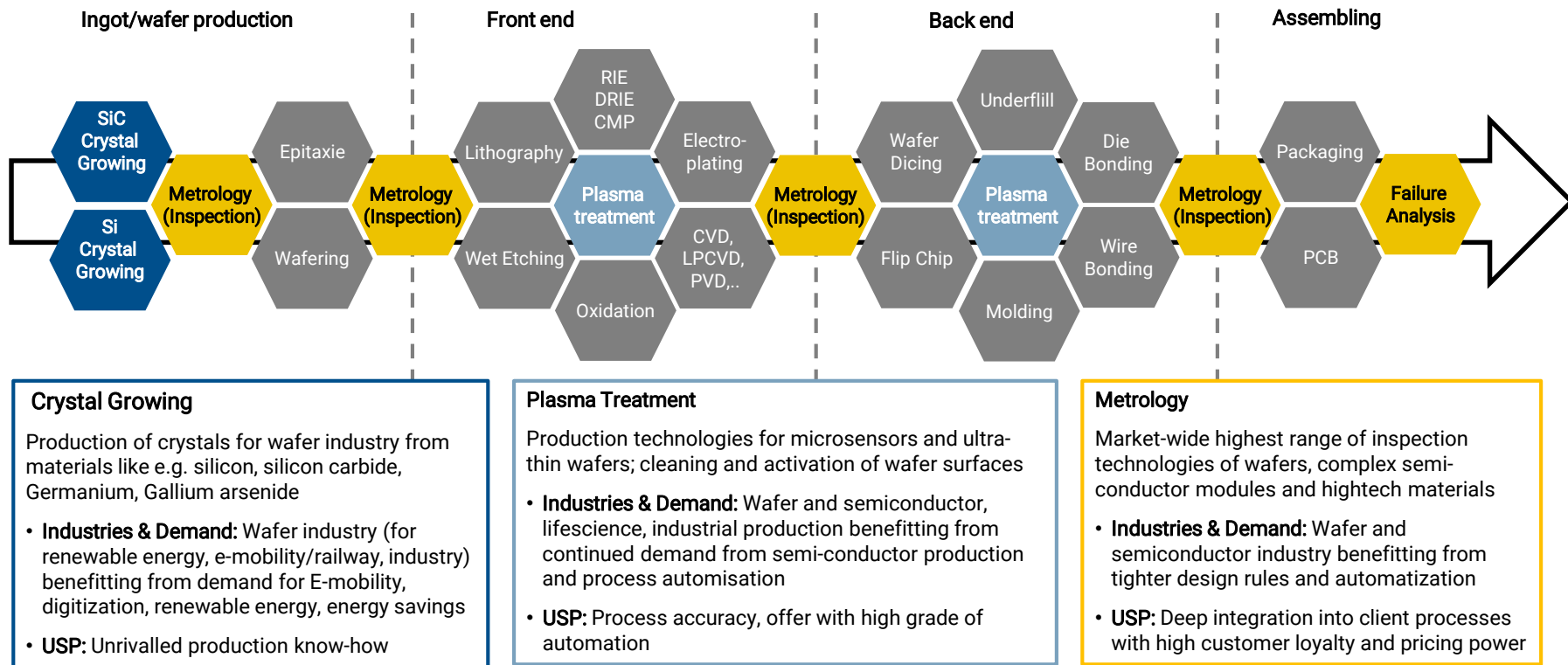


2. Semiconductor Systems

High growth potentials in a digitizing world

Semiconductor Value Chain: Active at the Important Points

Leading Systems and Solutions in Crystal Growing, Plasma Treatment, Metrology



Crystal Growing



PVA TePla offers the broadest know-how in this technology

Materials

Silicon

Silicon carbide

Germanium

Calcium fluoride

etc.

Major End User Markets

Digitization

Internet of Things

E-mobility

Autonomous driving

Optoelectronics

Renewable energies



Silicon carbide

deep knowledge of next generation material

Multiple areas of high-tech application



E-mobility / railway



Renewable energies



Industrial

Benefits of the material

Reduced power losses & energy saving

Less heat & higher heat resistance

Smaller & higher efficiency



Metrology

PVA TePla offers the broadest range of inspection technologies

Technologies

Ultrasound inspection

Laser inspection

Chemical inspection

Optical inspection

Major End User Markets

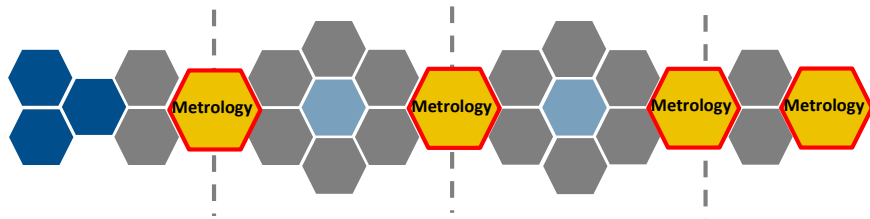
E-mobility

Autonomous driving

Optoelectronics

Digitization

Renewable energies



Ultrasound

strong market position in leading metrology technology

Technology

Highest resolution among competitors for quality inspection (non-destructive) through different layers of nearly every material

Multiple areas of applications in semi and industrial materials (such as wafers, chips, MEMS, showerheads, and bonded industrial materials)

First 8 fold auto wafer transducer installed at leading semi producer

Opportunities/Trends

Smaller design rules in semiconductor industry drive demand

Further development towards algorithm based learning, AI, deep learning

Further demand initiated by new materials (SiC)

EV manufacturing requires 100% testing of chip components

Sensors for autonomous driving





2. Industrial Systems

System & Application know-how upon customer request

Sintering

PVA TePla is a global leader for pressure sintering systems

Applications

Pressure sintering

Brazing

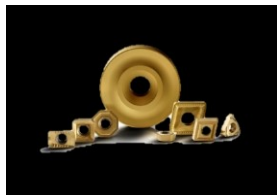
High temperature systems

Major End User Markets

Tooling Industry

Aviation, Electrical Industry

Graphite Industry



Brazing

producer of world-class brazing systems

Applications

X-ray tubes

Vacuum interrupters

Heat exchangers

Diamond cutting tools

Turbine blades

Major Markets

Medical Industry

Electrical Industry

Measurement and sensor
technology

Semiconductor Industry

Tooling Industry



Diffusion bonding

unique expertise of an innovative technology

Breaking into new applications

This technology also enables chemical/toxic-free, complex 3D-structures, adding excellent mechanical strength properties, for example:

- Semiconductor equipment components
- Conformal cooling molds
- PCHE heat exchangers
- Aerospace components
- Hydrogen/Gas liquifaction

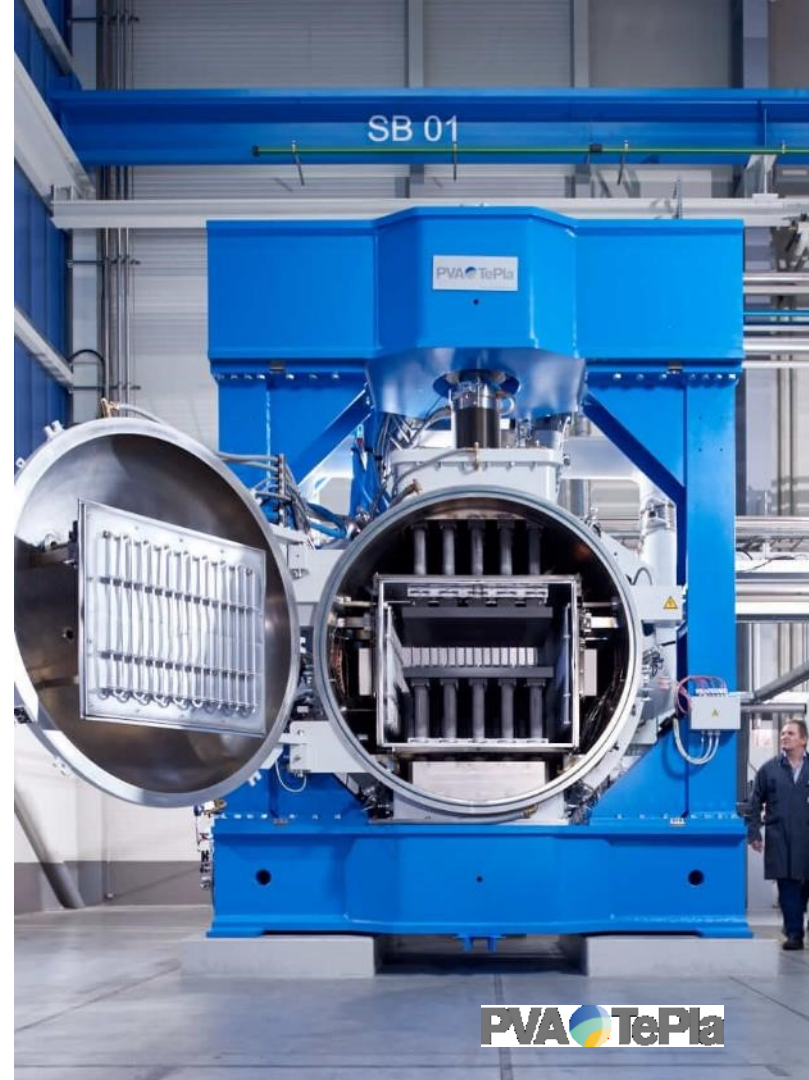


Market potential

Europe's largest hot presses at PVA TePla's service center are fully booked

By far the most expensive system in PVA TePla's portfolio

A couple of systems already sold into semi and hydrogen industry





3. Annual Figures



HIGHLIGHTS 2022

LOOKING BACK ON A SUCCESSFUL YEAR

- Significant **increase in revenue and earnings** despite one-off development costs in semiconductor
- **Exceeded own guidance** thanks to dynamic second half performance
- **Order book** increased to **EUR 324.3 m** from EUR 283.3m
- Full **acquisition of MPA Industrie** to strengthen our position in the aerospace and renewable energy market
- Focus on **sustainability and commitment** to using long-established technologies in support of ecological transformation
- Positive **outlook** for 2023 with expected sales of **EUR 240 to 260 m** and **EBITDA of EUR 36 to 40 m**

ACQUISITION OF MPA INDUSTRIE

IMPORTANT STRATEGIC COMPLEMENT

- Further expansion of process technology know-how of high-performance coatings
- The fast-growing markets include structural components for applications in the semiconductor industry, fibre-reinforced ceramics in the aerospace industry, and coatings for components used in renewable energies

**ECONOMIC RATIONALE: PROFIT CONTRIBUTION SINCE DAY 1: EUR 6 MILLION
SALES WITH VERY HIGH PROFITABILITY**



INNOVATION DRIVES FUTURE GROWTH

NEXT GENERATION SILICON PULLER FOR FUTURE BUSINESS OPPORTUNITIES

- In 2022, the next generation prototype was completed within the framework of a publicly funded development project - 3 units have already been sold to a strategic customer
- The next generation Silicon Puller has a significantly higher degree of automation --> „humanless fab“
- At the same time, flexibility of applications has increased



KEY FIGURES

GROWTH MOMENTUM INTACT

Order Intake

EUR 235.0 m

↗ 8.0%*

Sales

EUR 205.2 m

↗ 32.0%

Order Backlog

EUR 324.3 m

↗ 14.5%

EBITDA

EUR 30.0 m

↗ 7.0%

- Strong order intake – book-to-bill ratio at 1.15x
- Adj. for the EUR 95 m bulk order in Q3 2021, order intake rose 8%
- Momentum further improved in Q4 2022: Sales +83.5% y/y, EBITDA +98.7% y/y

* Adjusted for bulk order

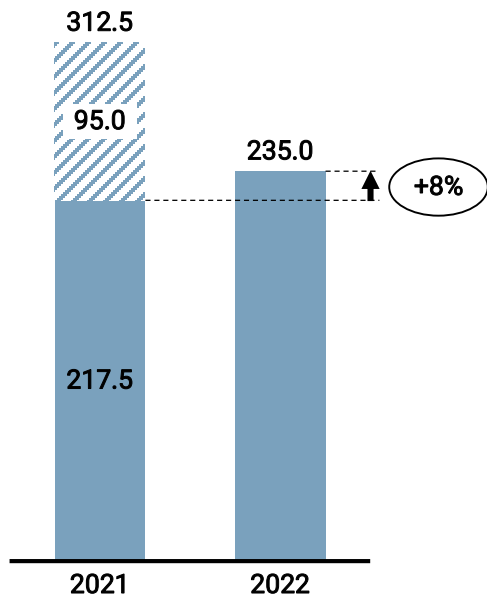
ORDER INTAKE

UNDERLYING GROWTH CONTINUED IN 2022

Year to Year

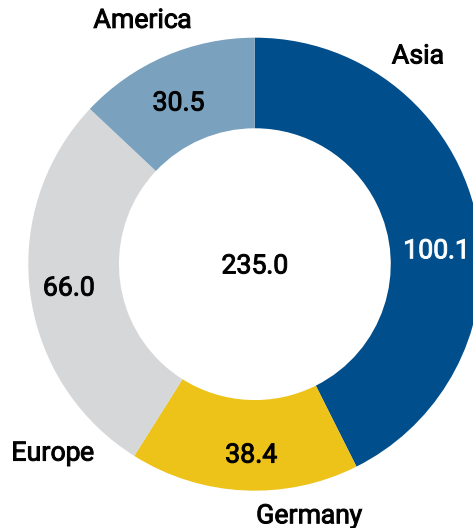
[EURm]

bulk order



Region

[EURm]



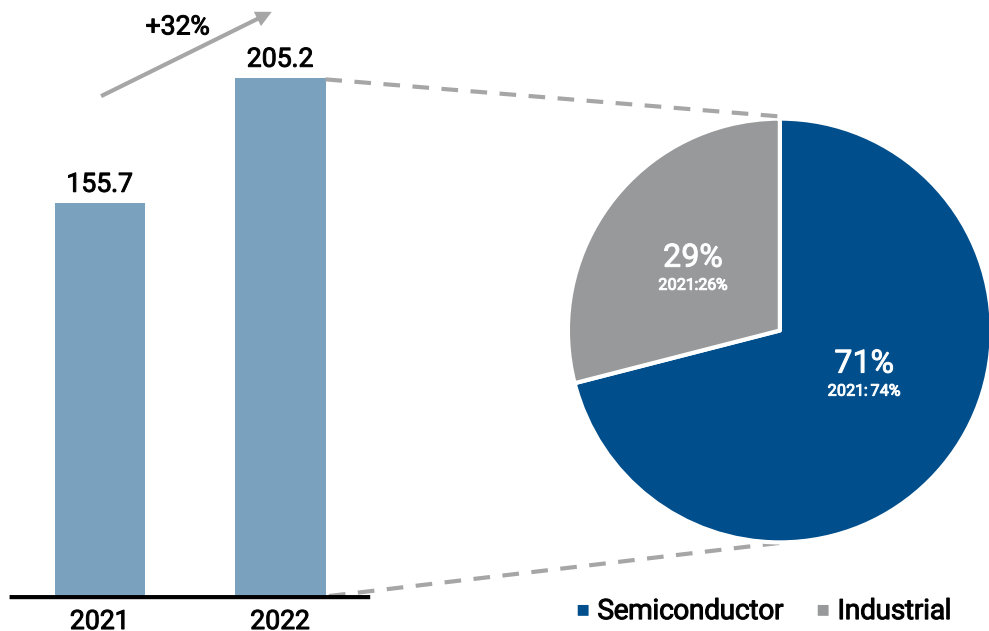
- Adjusting for the large-ticket effect of 2021, orders have **increased by 8% y/y**
- Well diversified order book: **Asia 43%, Germany 16%, Europe (ex-Germany) 28%, America 13%**
- **Semiconductor** contributes **65%** of orders, **Industrial 35%**

GROUP SALES

CONTINUOUS STRONG GROWTH IN BOTH SEGMENTS

Year to Year
[EURm]

Segment Split
[EURm]



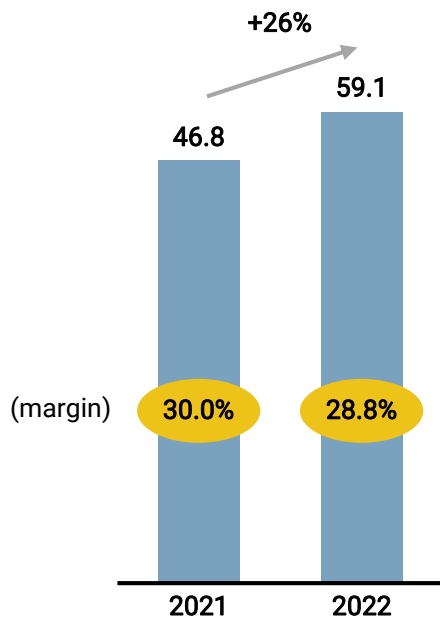
- On the back of a very strong Q4, **sales exceeded guidance** and increased by 32% y/y
- Both divisions benefit from **megatrends**, e.g. **digitization, e-mobility, renewable energies**
- Industrial benefits from high demand for infrastructure (hydrogen/LNG) projects

GROUP PROFIT

SOARED ON ALL LEVELS

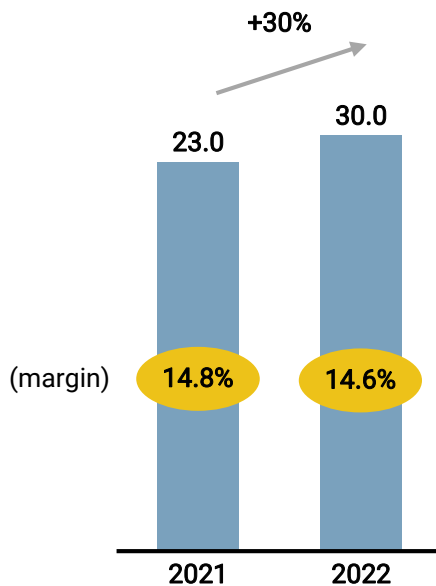
Gross Profit

[EURm]



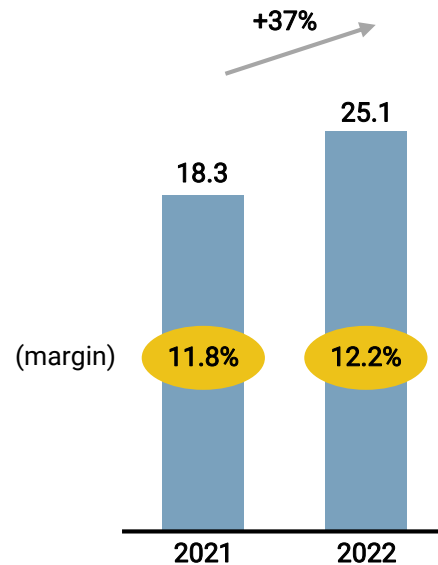
EBITDA

[EURm]



EBIT

[EURm]

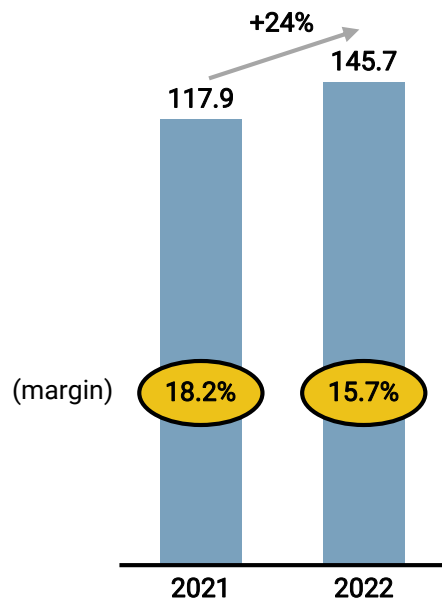


SEMICONDUCTOR

STRONG ORDER BACKLOG DRIVES SALES

Sales and EBIT margin

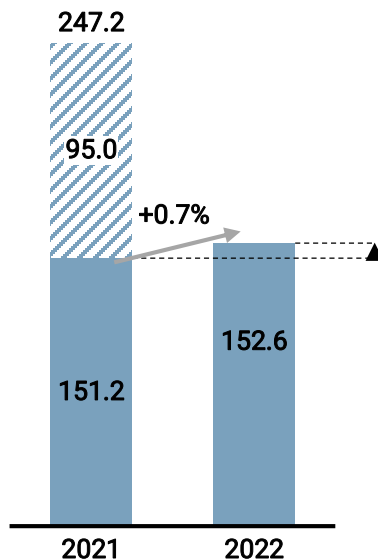
[EURm]



Order intake

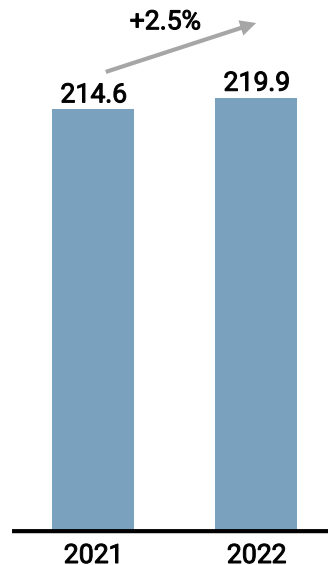
[EURm]

/// bulk order



Order backlog

[EURm]

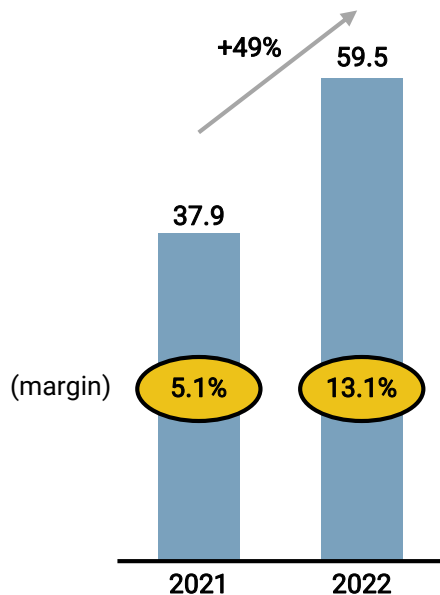


INDUSTRIAL

HIGH DEMAND FROM INFRASTRUCTURE (H/LNG)

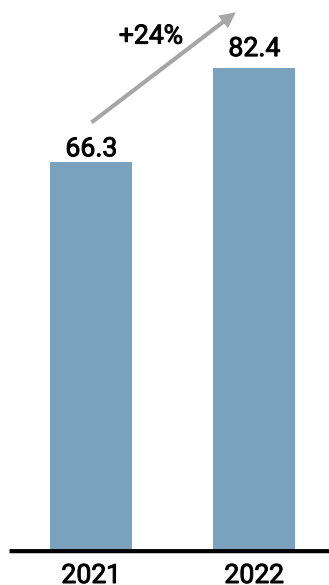
Sales and EBIT margin

[EURm]



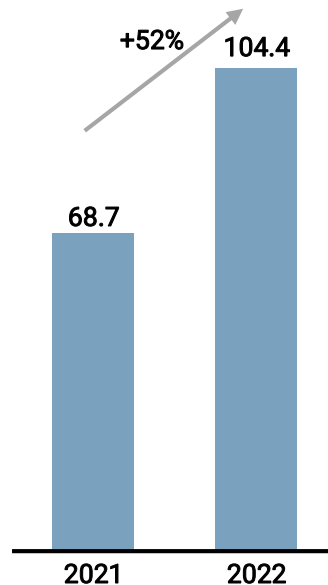
Order intake

[EURm]



Order backlog

[EURm]

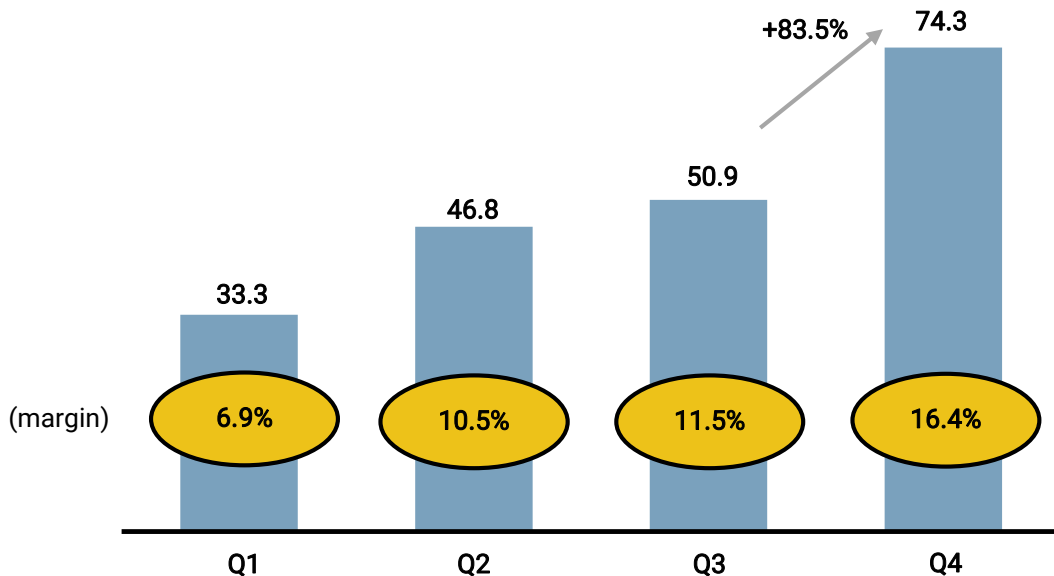


QUARTERLY SALES AND EBIT-MARGIN DEVELOPMENT

EXTRAORDINARY STRONG Q4

Sales and EBIT margin

[EURm]



- Impressive Q4 2022 for PVA TePla Group with high order activity
- Exceeded initial expectations
- **EBIT margin** climbing up quarter on quarter 2022 supported by economies of scale

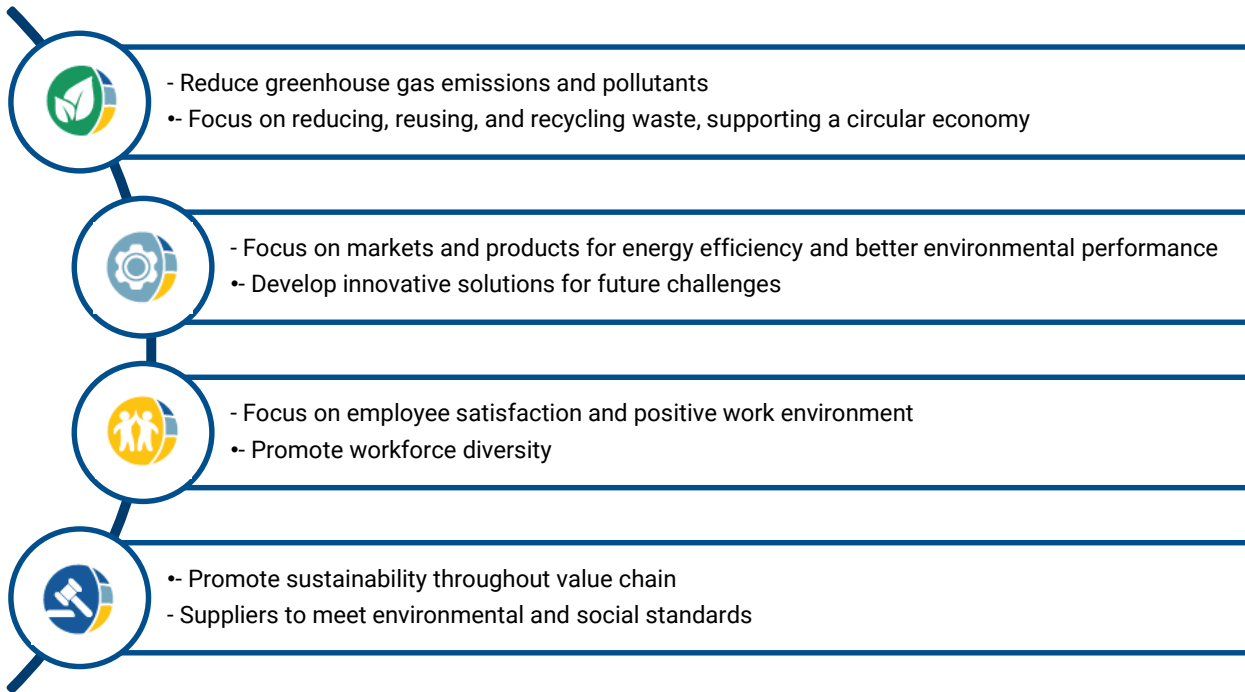


4. Outlook

COMMITTED TO SUSTAINABILITY



Net carbon neutral
by 2024 (Scope 1+2)



FINANCIAL GUIDANCE FOR FULL YEAR 2023

DOUBLE-DIGIT GROWTH

Consolidated sales expected between
EUR 240 and 260 million

CONTINUED PROFITABILITY

Operating result before taxes and depreciation
and amortisation (EBITDA) between
EUR 36 and 40 million





This presentation contains forward-looking statements which are based on certain assumptions, expectations and opinions of the management of PVA TePla (the "Company") or cited from third-party sources. These statements are, therefore, subject to certain known or unknown risks and uncertainties. A variety of factors, many of which are beyond the Company's control, affect the Company's business activities, business strategy, results, performance and achievements. Should one or more of these factors or risks or uncertainties materialize, actual results, performance or achievements of the Company may vary materially from those expressed or implied as being expected, anticipated, intended, planned, believed, sought, estimated or projected in the relevant forward-looking statement.

The Company does not guarantee that the assumptions underlying such forward-looking statements are free from errors nor does the Company accept any responsibility for the actual occurrence of the forecasted developments. The Company neither intends, nor assumes any obligation, to update or revise these forward-looking statements in light of developments which differ from those anticipated.

Where any information and statistics are quoted from any external source, such information or statistics should not be interpreted as having been adopted or endorsed by the Company as being accurate. This presentation is dated as of 28 November 2022. Neither the delivery of this presentation nor any further discussions of the Company with any of the recipients shall, under any circumstances, create any implication that there has been no change in the affairs of the Company since such date. This material is being delivered in conjunction with an oral presentation by the Company and should not be taken out of context.