

# Capital Market Day

15<sup>th</sup> September 2022

Christoph Klenk, CEO Norbert Broger, CFO Thomas Ricker, CSO Markus Tischer, Board Member IOS Bülent Bayraktar, Head of Process Technology Luigi Panzetti, System Logistics CEO





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- **02** Strategic Overview and Target Picture 2025 and beyond Christoph Klenk
- **03** Deep dive: Filling and Packaging Technology Thomas Ricker/Markus Tischer
- **04** Deep dive: Process Technology Bülent Bayraktar
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**07** Discussion/Q&As



# 01 Welcome

### **Speakers**





Christoph Klenk

Norbert Broger CFO Markus Tischer Board Member IOS Thomas Ricker CSO **Bülent Bayraktar** Head of Process Technology **Luigi Panzetti** System Logistics CEO



# 02 Strategic Overview and Target Picture 2025 and beyond

Christoph Klenk

# **Krones major pillars to drive further success**



#### Customer Satisfaction

We **keep our promises** in **project execution** and **after sales** - even in difficult times

We take **changing customer requirements** to proactively create **new solutions** 

#### Innovation & Technology

Our solutions **drive customer costs** in operation **down** 

Our innovations manage and track CO<sub>2</sub> footprint targets of our customers

#### Our new target picture **drives spirit** and **purpose** to **deliver solutions beyond tomorrow**

Target Picture

2025+

#### Economics

- We **manage** profitability by
- adapting scenario
   planning
- > pricing power
- robust cost cutting programmes

#### based on our No. 1 position in bottling and packaging!

# Krones markets provide continuous and sustainable growth

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### **Beverage Consumption**

Global volume, bn liters<sup>1</sup>

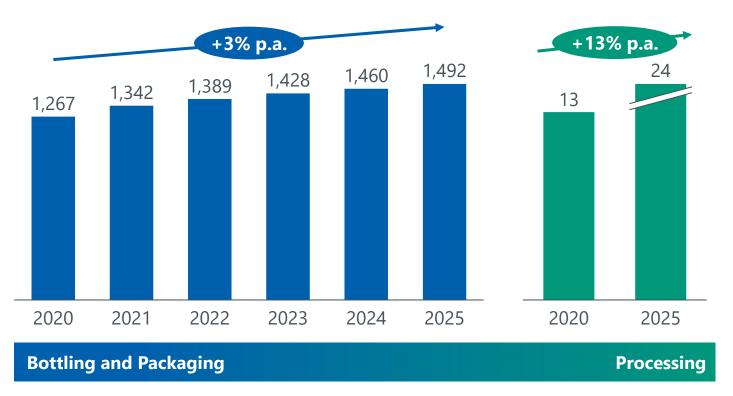
#### **Alternative Proteins**

Global consumption, bn tons<sup>2</sup>

#### **Intralogistics**

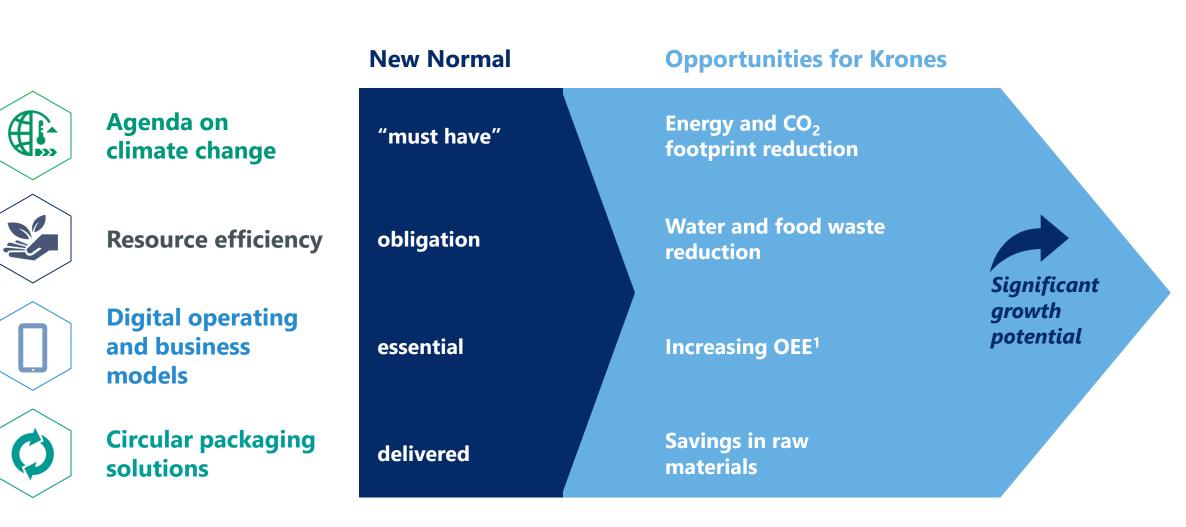
Warehouse Automation market, bn €<sup>3</sup>

+12% p.a.



Sources: 1. Global Data 2. BCG, 2021 3. BNP Paribas, 2022 (own extrapolation)

# **Changing customer needs provide new opportunities for Krones**

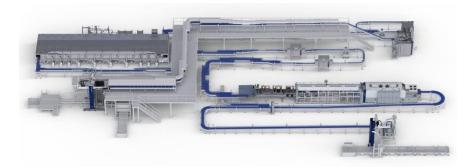


- 1. Overall Equipment Effectiveness
- 8 Krones Capital Market Day 2022

# Innovation and internationalization drive Krones growth strategy

Innovation & Technology	2021	2025
R&D spending	€ 174m	+40%
Krones digital	450 people	+50%
IP	6,440 IPs	+15%
New line installation time	100 days	-30% reduction in duration

Internationalization	2021	2025
Global footprint operations	80% Germany 20% international	+50% more international
Global service technicians	3,000 people	+15%





# New Target Picture

# ...to exploit the full value of our future opportunities and to drive transformation!

#### **Our Vision**

# Sustainable and affordable beverages, food and essentials for everyone and everywhere

We develop solutions beyond expectations for our customers, humanity and our planet

#### **Our Mission**

We lead with innovative solutions to empower our customers, meeting their goals and beyond, making them successful and sustainable

We enforce our creative power to preserve nature and safeguard society



# Solutions beyond tomorrow



## **Solutions beyond tomorrow – Our strategic focus**

#### **Process Technology**



Drive food and beverage innovation

#### Filling and Packaging Technology



Implement integrated packaging solutions

#### **Intralogistics**



Provide fully automated, flexible intralogistics



# Krones transformation journey to drive value for our customers

#### Sustainability Transformation



- Energy and water reduction
- Sustainable food / Alternative protein
- Circular economy based on usage of recycled packaging material

### **Digital** Transformation



- Modular line and business models of the future
- Cloud-based Service
   Level Agreements
- Homogeneous automation and digitalization

#### Product Transformation



- > Innovation on line-level
- Standardization for baseline growth
- Modularization for scalability of digital solutions

# Organisational & Process Transformation



- Supply Chain optimization
- > Learning Organization
- Global Collaboration
- > State of the art internal IT

#### Krones continues its successful way to strengthen its market leader position

### **Digitalization at Krones – Core topics**



#### Transformation into digital lines

for filling and packaging product portfolio



Cloud-based software platform with portfolio of value

apps

ed Da CL th SL e imp

Data driven customer support to

improve performance by Krones Digital Service Center



Performancebased business models (SLA) based on digital lines and software



#### Internal Performance

by process automation, innovative working methods and a state-of-the-art software landscape

#### Digitalization is fully integrated in all our business areas

# **Krones.digital: Driving the digital transformation**



# KRONES .digital

- 450 digital experts lead our digital transformation
- One organization ensures best system architecture
- One architecture seamless from automation to digital cloud services
- ~ 1,000 additional IT specialists ensure efficient execution

# All digital competencies bundled at Krones to lead the beverage and liquid food industry into a digital future

### **Sustainability at Krones – Core topics**





In terms of Sustainability, Solutions beyond tomorrow means: KRONES enables a climate-neutral, circular customer production plant for sustainable drinks and food

Together with our customers we can tackle the most urgent global challenges



**Climate Change** 



**Plastic Littering** 



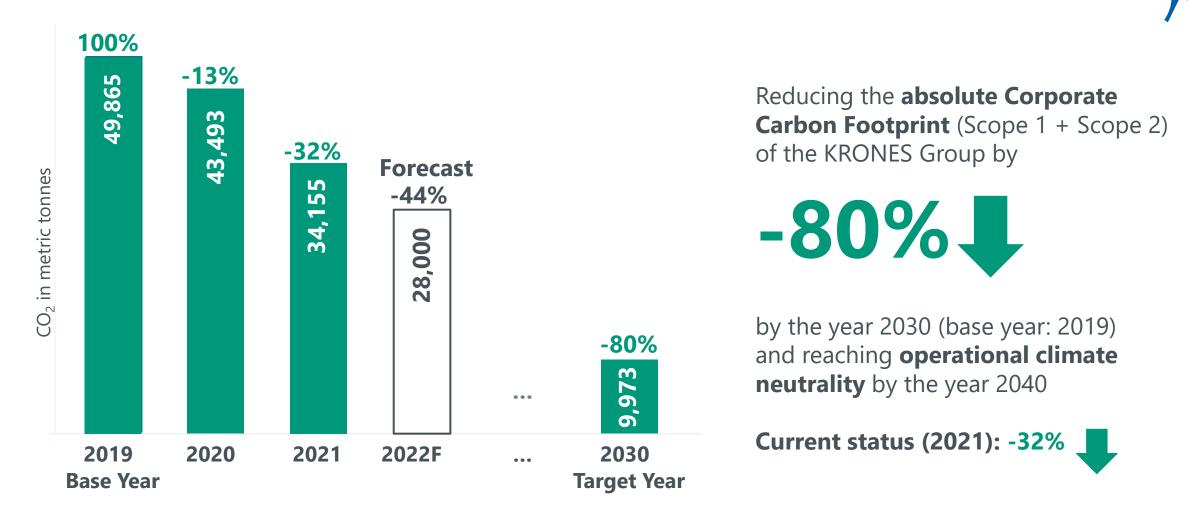
**Feeding the World** 

# **Steering Sustainability Transformation and Performance**



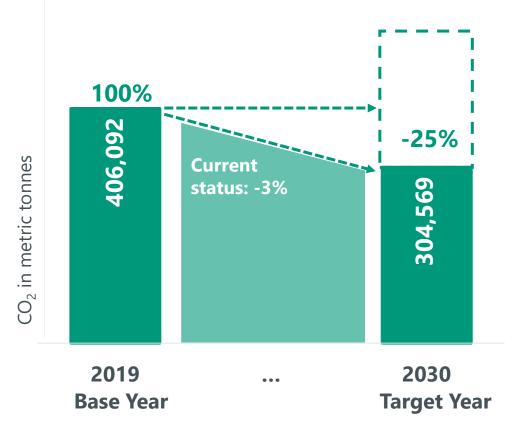
Challenges	ESG performance	Climate Change	Plastic Littering	Feeding the World
Solutions	Sustainable Value Chain	Energy and Media	Circular Economy	Sustainable Food
Next Steps	<ul> <li>Developing and pursuing a Net Zero Emissions Target</li> <li>Assessing suppliers by their sustainability performance</li> <li>Implementing transformation matrices for each material topic to reach Sustainability Goals 2030</li> </ul>	<ul> <li>Bringing Future Line concepts to life</li> <li>Green Consulting activities with additional manpower</li> <li>Focus on projects for energy and media savings</li> </ul>	<ul> <li>Strengthen Recycling solutions (For details see Recycling Solutions)</li> <li>Handling of additional plastics volume (e.g., HDPE, LDPE)</li> </ul>	<ul> <li>Focusing on plant-based drinks and food (See Process Technology)</li> <li>Enhancing technology to reduce losses within the production process</li> <li>Pushing forward aseptic filling</li> </ul>
Targets	- 80% CO <sub>2</sub> reduction at Operations Scope 1 & 2	- 25% CO <sub>2</sub> reduction Scope 3	> <b>50% of plastics volume</b> <b>recycled</b> by Krones	<b>Market leader</b> in plant-based drinks and aseptics

# **Our performance: Carbon emissions (Scope 1 and Scope 2)**



#### ~ Half of the reduction target will already be achieved in 2022

# Sustainability goals Scope 3 downstream



#### with energy efficiency projects and future line concepts

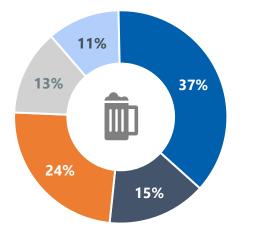
- > incl. all measures:
  - green energy supply,
  - digitally enabled energy saving solutions

# Our transformation for a sustainable portfolio is consistently pursued with our development programmes

# **Krones levers to reduce the product carbon footprint of beer**



**CO<sub>2</sub> allocation of a brewery**, in %<sup>1</sup>



#### **Krones levers to reduce CO<sub>2</sub>**

Circular Economy Packaging -25% Light-weighting > Handling of recycled material > Production Energy and Media >-25% Process Energy efficiency > Use of renewable energies > Ingredients/ Sustainable Food -10% Agriculture Better yield of processes > Extraction of proteins from > residuals

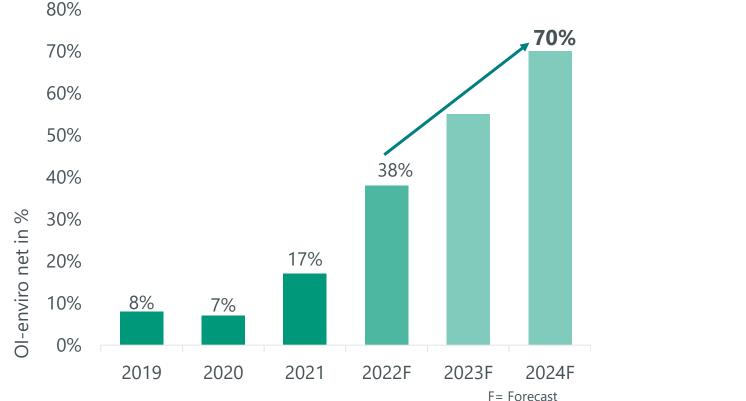
Packaging

Production Process

- Ingredients/ Agriculture
- Cooling
- Logistics
- <sup>1</sup> Own illustration from CSR Reports Breweries 2021

# enviro - Energy and Water Solutions for a green customer production



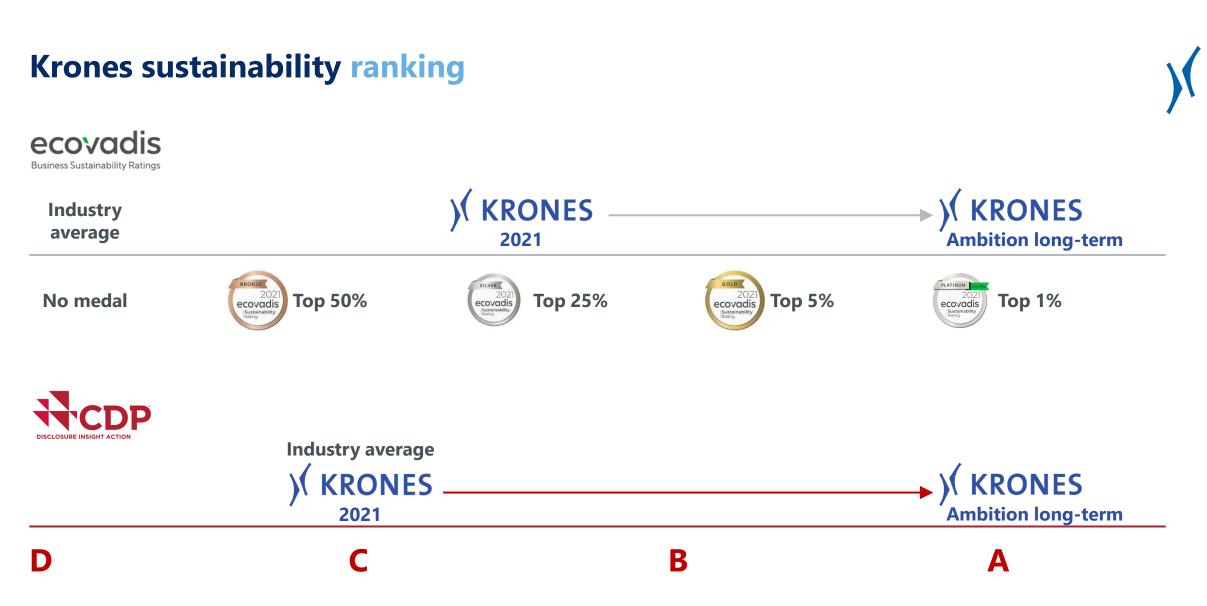


 Conversion to an even more energy- and water-saving portfolio

Increasing sales potential

 CO<sub>2</sub> target achievements for Krones and our customers

#### Share of enviro machines order intake to reach 70% of machine portfolio in 2024 (forecast)



# External benchmarks confirm our strong sustainability performance and we are striving for more

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# 03 Deep dive: Filling and Packaging Technology Thomas Ricker/Markus Tischer

# **Measures at a glance: segment Filling and Packaging Technology**



2022 expectation ~ € 3.2bn Revenue 9% - 10% EBITDA 2025 target Revenue ~ € 3.7bn EBITDA 12% – 14%

#### **Programmes to improve growth and efficiency**

Program	Structure and process	Global footprint	Portfolio	Growth
Topics	<ul> <li>Adjust structure and processes for digitalization and new business models</li> <li>Automation of supplier and customer transactions</li> </ul>	<ul> <li>&gt; Expand production in Hungary and China</li> <li>&gt; Localize supply chains</li> <li>&gt; Localize and digitalize service</li> </ul>	<ul> <li>Reshape product portfolio in filling and packaging – focus on line level</li> <li>New products and innovations to increase efficiency and sustainability</li> </ul>	<ul> <li>Market growth, especially in Asia/Pacific and Africa regions</li> <li>Pricing</li> <li>Further increase customer loyalty with Service Level Agreements</li> </ul>
Rev			€150 – 250m	€250 – 450m
EBITDA	0.5% – 1.0%	1.0% – 1.5%	1.0% – 1.5%	0.5% – 1.0%

# **Product and market trends driving our products**



PET is back

#### **Underlying driver**

- Greater availability
- > Global recycling initiatives
- > Reduced CO<sub>2</sub> footprint compared to other packaging types
- > Highly attractive products due to shape and design options



Aseptic gains momentum

- > US hotfill market to be converted to aseptic, leading to:
  - CO<sub>2</sub> footprint reduction
  - Savings in plastic consumption and littering



#### Success of cans ongoing

- > High customer acceptance of cans in mature markets
- > "Cool and fresh" perception as unique feature

# Market drivers for innovation and lifecycle services









Energy reduction and CO<sub>2</sub> footprint

Water reduction

Plastic reduction

**Digital services** 

#### **Underlying driver**

- Strong demand for any solution to reduce energy and resource consumption, driven by
  - ESG compliance
  - Cost savings
- "Saving water" is among top management priorities
  Tailor-made process and cleaning cycles to meet the "real need" only
- Light-weighting of bottles and caps
- > Elimination of plastics in secondary packaging
- > Availability of skilled operators
- Increased efficiency and safety

# **Future requirements of a PET line**

	Today	Tomorrow	Change in %
Ż.	20-70 products (SKUs)	>100 products (SKUs)	+100%
C	Ø 5h product change frequency	<1h product change frequency	-80%
	3 operators	1 operator	-66%
Ħ	50 bottles/m <sup>2</sup> (per hour)	>70 bottles/m <sup>2</sup> (per hour)	+40%
Ī	Converter business for preforms	On-site preform manufacturing	-
	Emissions for filling process 5.6 kg CO <sub>2</sub> /1000 bottles	Emissions for filling process 4.2 kg CO <sub>2</sub> /1000 bottles	-25%
¢¢	Installation 100 days	Installation 70 days	-30%

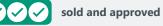
# **Update: Customer expectations fulfilled**



Progress







## **New Can Line design**

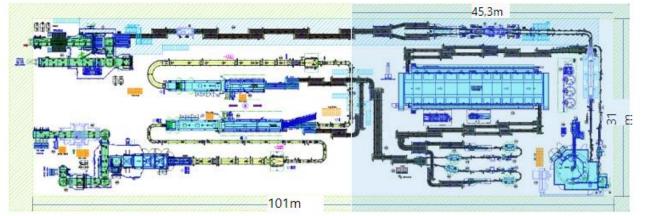


New Block System **combining filling and pasteurizing** due to new line control:

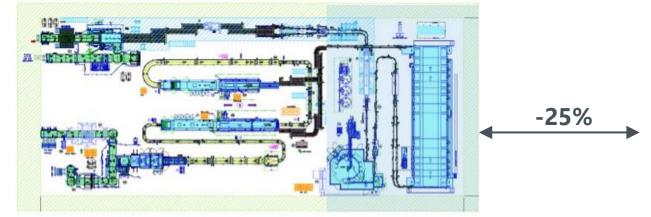
Up to **25%** smaller footprint

- > Less resources for the lines
- > Further light-weighting of cans
- > Reduced energy consumption

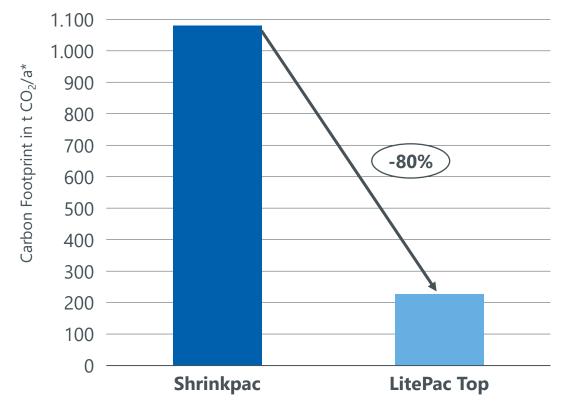
#### **Compact Can Line - 2021**



#### **Compact Can Line - 2023**

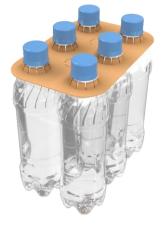


# Sustainable Solutions reduce carbon footprint of our customers (1): New LitePac Top Secondary Packaging



#### Effect of chosen secondary packaging on dry part



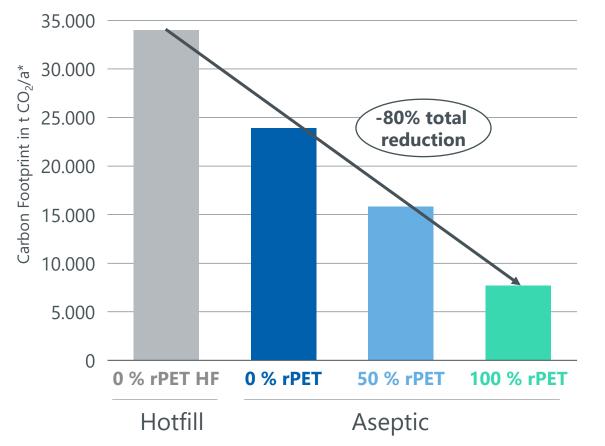




#### Krones Vision: no secondary packaging from plastic material

\*Including packaging process and material, 3x2 0,5I PET bottle; 36.000.000 packs/a

# Sustainable Solutions reduce carbon footprint of our customers (2): Aseptic and rPET replace Hotfill



Effect of chosen filling process and bottle material

\* Example based on hotfill technology versus aseptic filling: Figures include filling process incl. bottle material

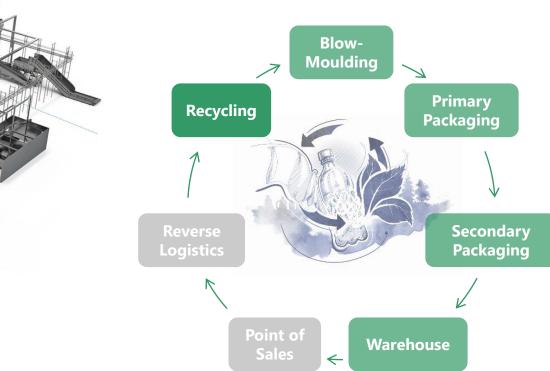


Krones Vision: Replacing all Hotfill lines with the latest Aseptic technology to handle 100% recycled materials on Krones Aseptic lines

# **Circular Economy Solutions – Recycling Solutions**

#### **Recycling** as a USP

With its unique portfolio and know-how, Krones offers both packaging <u>and</u> recycling solutions

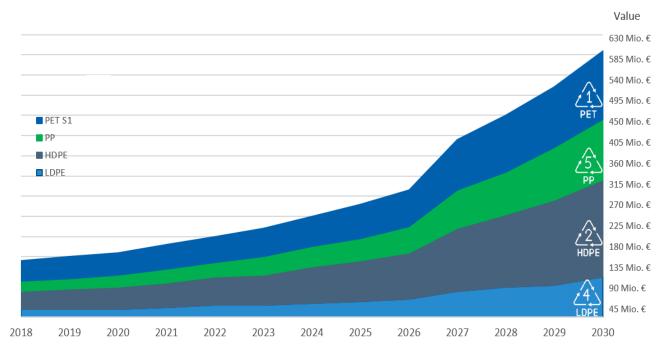


### **Closed-loop recycling for different materials:**

PET and a variety of other rigid and flexible plastics

# **Market potential for Krones recycling business**

## Market potential, €m



## **Recycling business growth**

driven by

- > consumer awareness
- > legal requirements
- diversification of recycling materials

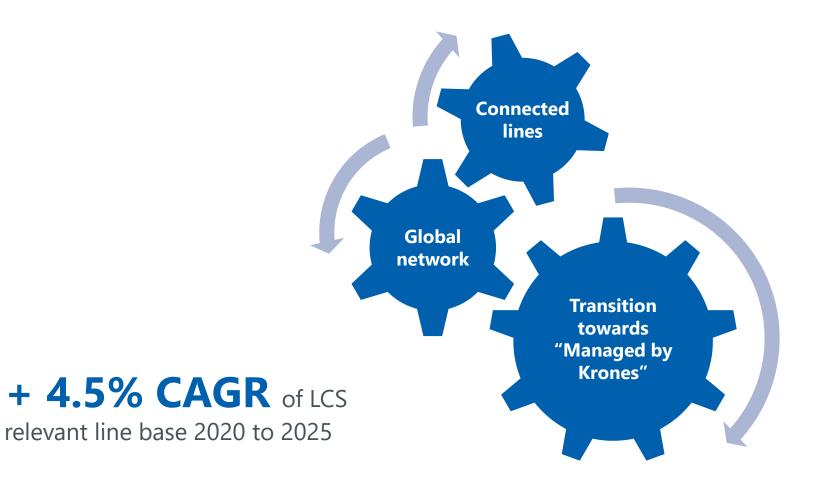
# €100 m

targeted turnover recycling solutions by 2025 with PET, PP, HDPE, LDPE, PS

# Krones pushes recycling business as a growth opportunity

Source: Own illustration based on Frost & Sullivan (2021) 32 Krones Capital Market Day 2022

# **Strong momentum for Lifecycle Services (LCS) driven by growing line base and superior customer service**



# **Increasing LCS**

market share leads to overproportional growth

## Krones continues its chosen strategy towards "Managed by Krones" to gain further market shares



# Based on our connected line base, we deliver superior customer services

Krones Network supports customers globally



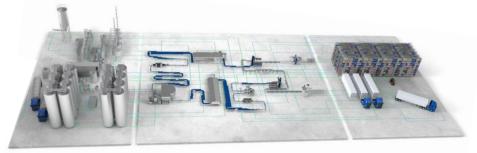
Krones.world drives digital services



#### **Intelligent Operating System** enables smart supply chain mgmt



#### **Connected line base**

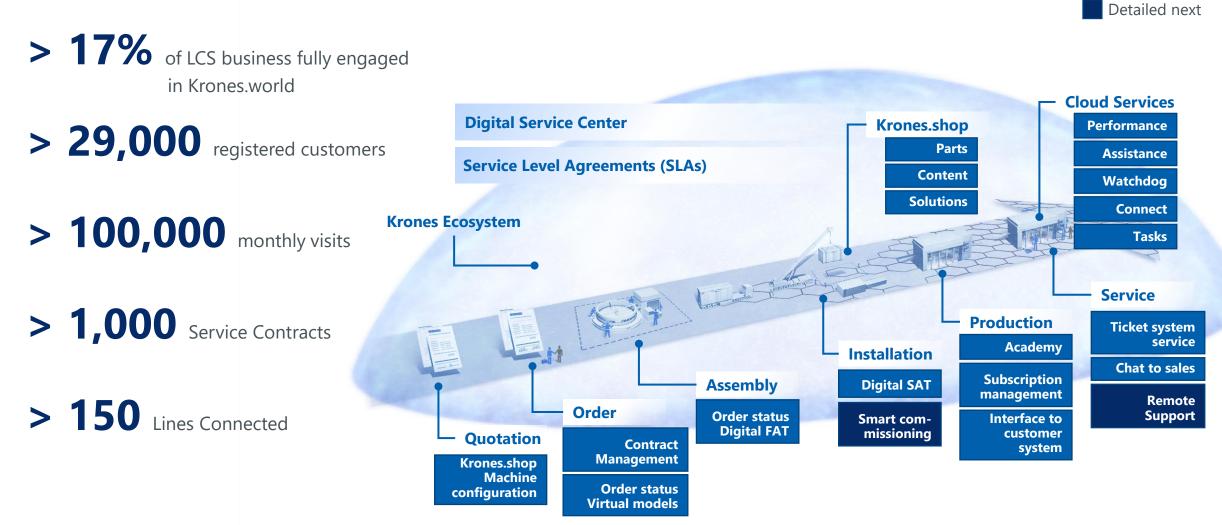


# Krones network ensures customer proximity around the globe



The Krones network proved a success factor during the Covid-19 pandemic and will also provide the fundament for any kind of future services

## Krones.world bundles all digital customer services along the supply chain in one platform and is highly appreciated by our customers

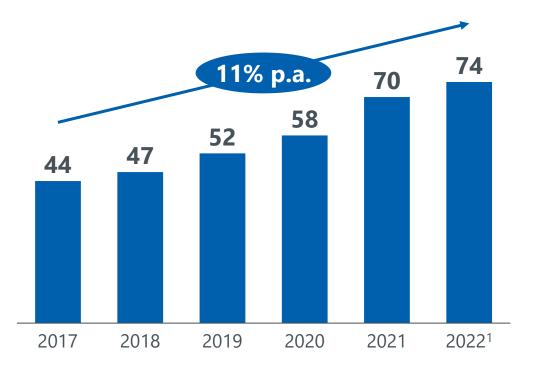


## **Central elements of Krones.world (1): Remote Support**

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#### **Remote Support is high in demand**

Yearly remote access in thd



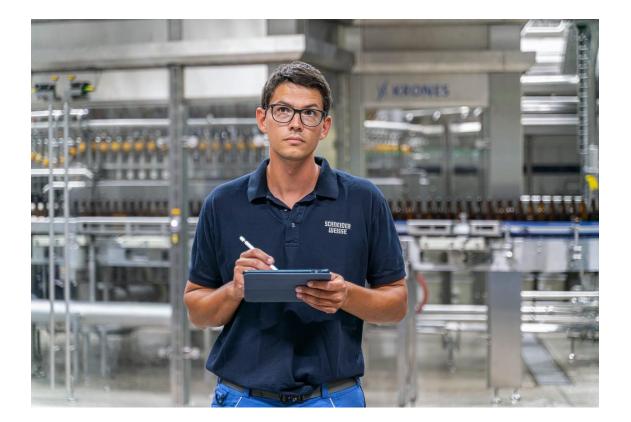
#### Main customer and Krones benefits

- > Response time
- Costs savings
- No travel time and cost
- Availability of best experts
- Independence of Covid-19 travel restrictions

#### Krones delivers best-in-class Remote Support, as it is part of "New Normal" after Covid-19

## **Central elements of Krones.world (2): Smart Commissioning**





#### Main customer and Krones benefits

- Systematic commissioning approach based on real-time data and advanced analytics by using the Krones.world IIOT solutions
- > Upscaling of service expertise
- > Significant reduction of commissioning costs
- > Faster ramp up and commercial production

#### Up to 30% reduced commissioning time saves cost and enables faster commercial production

## **Krones.world solutions to face customer challenges**

### **Customer challenges**



**Downtimes** 



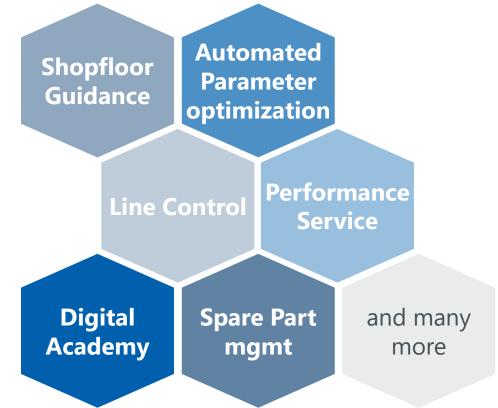
Waste



- Maintenance Planning
  - **Production Parameters**
- Si Employee Training and Knowledge
- Changeovers

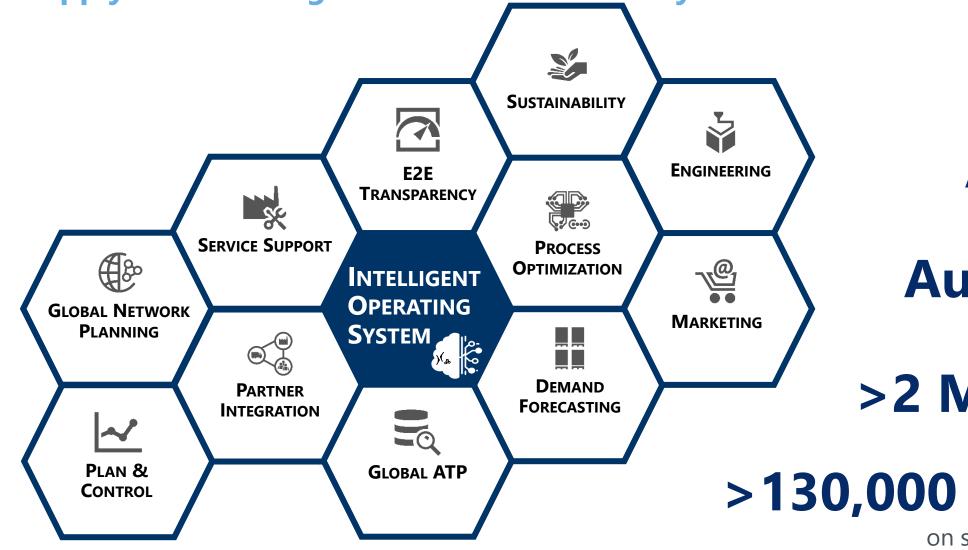


#### **Selective Krones solutions**



### Krones.world provides customer solutions to manage complexity, reduce costs and maximize output

Our intelligent operating system enables smart, efficient and sustainable supply chain management focused on Lifecyle Service



**Al-based** 

demand forecasting

## Automated

partner integration

## >2 Mio SKU

shipped p.a.

## >130,000 SKU

on stock (LCS)

## **Cloud-based Service Level Agreements**

### **Digital safety rope and performance booster**

X

*The Service Level Agreement gives us the reassurance and reliability we need, not least because Iceland is a remote island. We can hook up with Krones online at any time. Their staff see the same data as we do and can guide us.* 

Andri Þór Guðmundsson CEO at Ölgerðin Egill Skallagrímsson



## Based on our connected line base, we deliver superior customer services

Krones Network supports customers globally



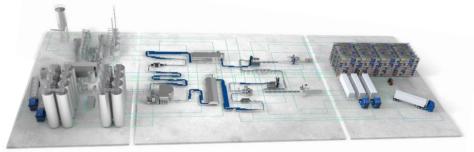
Krones.world drives digital services



#### Intelligent Operating System enables smart supply chain mgmt

SUSTAINABILITY ENGINEERING E2E TRANSPARENCY New York SERVICE SUPPORT PROCESS Ð **OPTIMIZATION** ° INTELLIGENT **O**PERATING GLOBAL NETWORK SYSTEM MARKETING PLANNING DEMAND PARTNER FORECASTING INTEGRATION ~ PLAN & GLOBAL ATP CONTROL

#### **Connected line base**



## In timeline through the pandemic – Client example Petrópolis, Uberaba



For reference: Youtube "In Timeline durch die Pandemie", https://youtu.be/uWJmqQs\_vXQ



## 04

Deep dive: Process Technology

Bülent Bayraktar

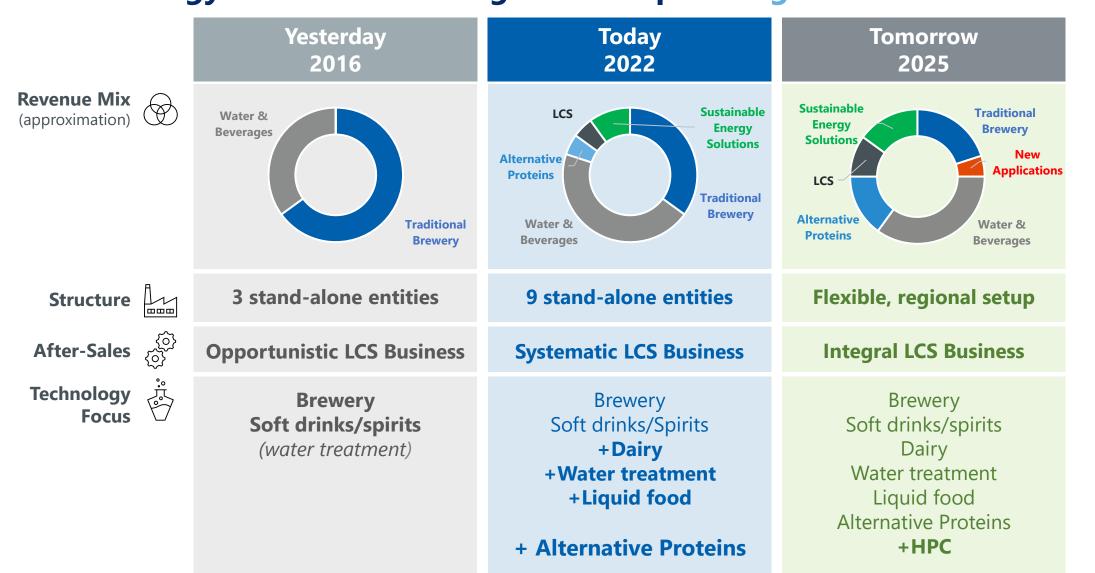
## **Measures at a glance: segment Process Technology**

X

**2022 expectation** ~ € 360m Revenue EBITDA >5% 2025 target ~ € 500m Revenue 7% – 9% EBITDA

**Programmes to improve growth and efficiency** 

Program	Structure and process	Global footprint	Portfolio	Growth
Topics	<ul> <li>Adjust structure and processes for digitalization</li> <li>Bottom line synergies across entities</li> <li>Best-cost country sourcing</li> <li>Leveraging US potential</li> </ul>	<ul> <li>Increase collaboration across regions</li> <li>Leverage cost competitive manufacturing hubs</li> <li>Africa focus</li> </ul>	<ul> <li>Increased focus on after-sales</li> <li>New products &amp; innovations to increase efficiency and sustainability</li> </ul>	<ul> <li>Market growth, especially APAC, Africa &amp; NAM</li> <li>Extended scope: home/personal care and liquid food</li> <li>Alternative proteins</li> <li>Water initiative</li> </ul>
Rev			€ 40 – 60m	€ 80 – 100m
EBITDA	0.5% – 1.0%	0.25% – 0.5%	1.0% – 1.5%	0.25% - 1.0%



### PT - Technology diversification & global setup drive growth

## **Process Technology markets - Strategic growth beyond tomorrow**





#### **Alternative Protein Technology**

Plant-based & advanced fermentation

### Water Technology

Water treatment & water design



#### **Sustainable Energy Solutions**

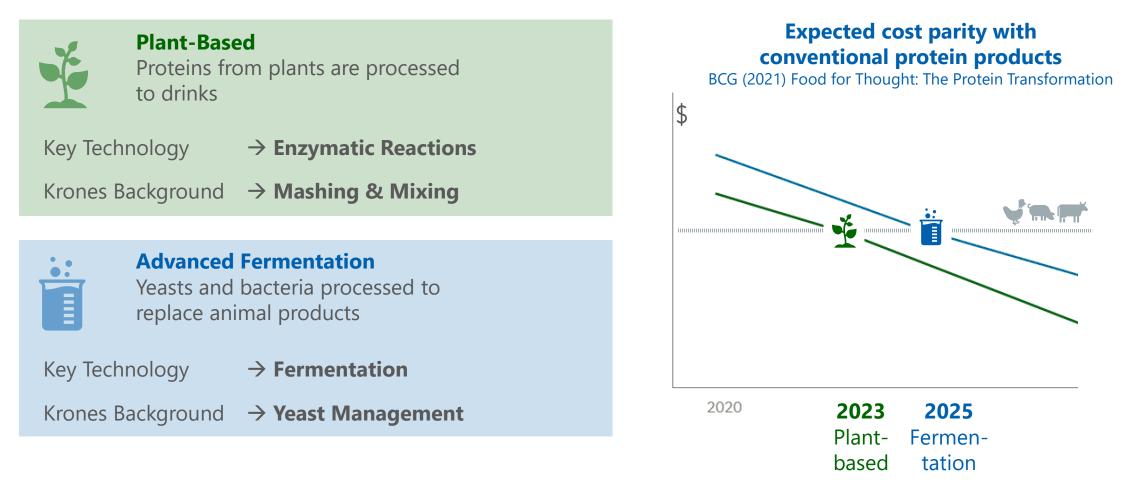
Energy efficiency & fossil fuel substitution



**CAGR >15%** Boston Consulting Group 2020 - 2030 **CAGR >6%** MDC Research 2022 - 2030 **CAGR >20%** Fortune Business Insights 2022 - 2029

## **Beyond Dairy - Krones Alternative Protein Technology Landscape**





#### **Enzymatic reactions & fermentation are key – Krones is an expert in these fields**



from legumes (e.g. soy, peas, lupins)



**from nuts** (e.g. almond, coconut)



**from grains** (e.g. oats, rice, spelt)

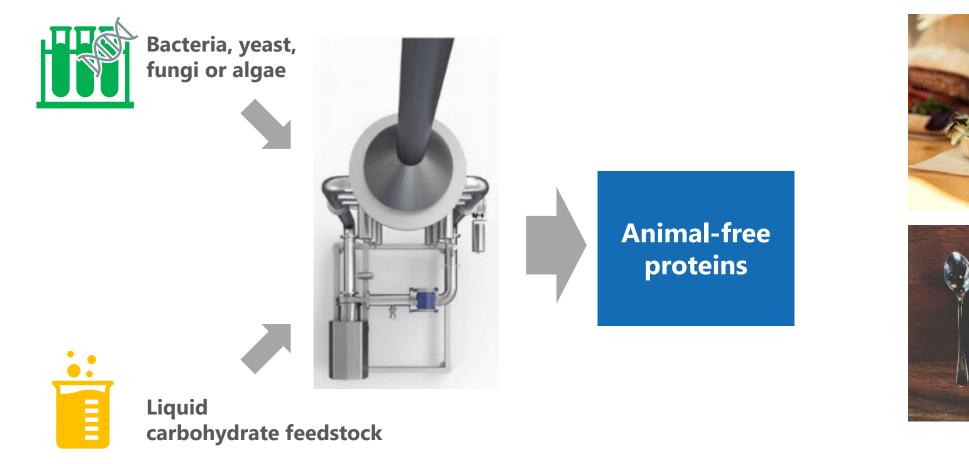


**Krones Technology** 

Turn-key facilities for plant-based dairy alternatives

From solid to liquid – Krones provides technology for all plant-based dairy alternatives





#### Krones is leveraging beer fermentation know-how to create food solutions beyond tomorrow

## Advanced Fermentation Emerging industry leaders partner with Krones



meati produces delicious, nutritious & sustainable meat alternatives made from mushroom root

#### **Sales**

Meati's steaks & cutlets were an instant hit and **sold out quickly** across the United States

#### Funding

Since 2020, investors provided \$>200m funding, latest Cround with \$150m in 2022

#### **Production**

Large facility built in 2022 - the Mega Ranch; even bigger Giga Ranch already planned

**KRONES** 

Processing Group North America supports meati's **production scale-up** with **fermentation technology** 

## **Process Technology markets - Strategic growth beyond tomorrow**





#### **Alternative Protein Technology**

Plant-based & advanced fermentation

### Water Technology

Water treatment & water design



#### **Sustainable Energy Solutions**

Energy efficiency & fossil fuel substitution



**CAGR > 15%** Boston Consulting Group 2020 - 2030 **CAGR >6%** MDC Research 2022 - 2030 **CAGR >20%** Fortune Business Insights 2022 - 2029

## Water technology Krones value chain beyond equipment sales



Ô



### Ingredients Supply

generates recurring sales of preformulated salt recipes

#### Engineering Services

R&D and water design for costumers

Equipment Business

Hydronomic machines











of water per hour



## **Process Technology markets – Strategic growth beyond tomorrow**





## -



#### **Alternative Protein Technology**

Plant-based & advanced fermentation

#### Water Technology

Water treatment & water design

#### **Sustainable Energy Solutions**

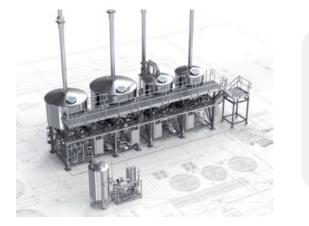
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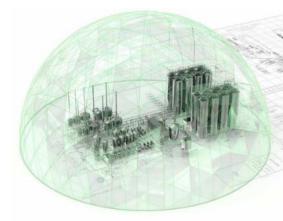
#### **Conventional Brewhouse**



Heat source Natural gas

(fossil fuel)

### Brewnomic Modules + Biomass Conversion









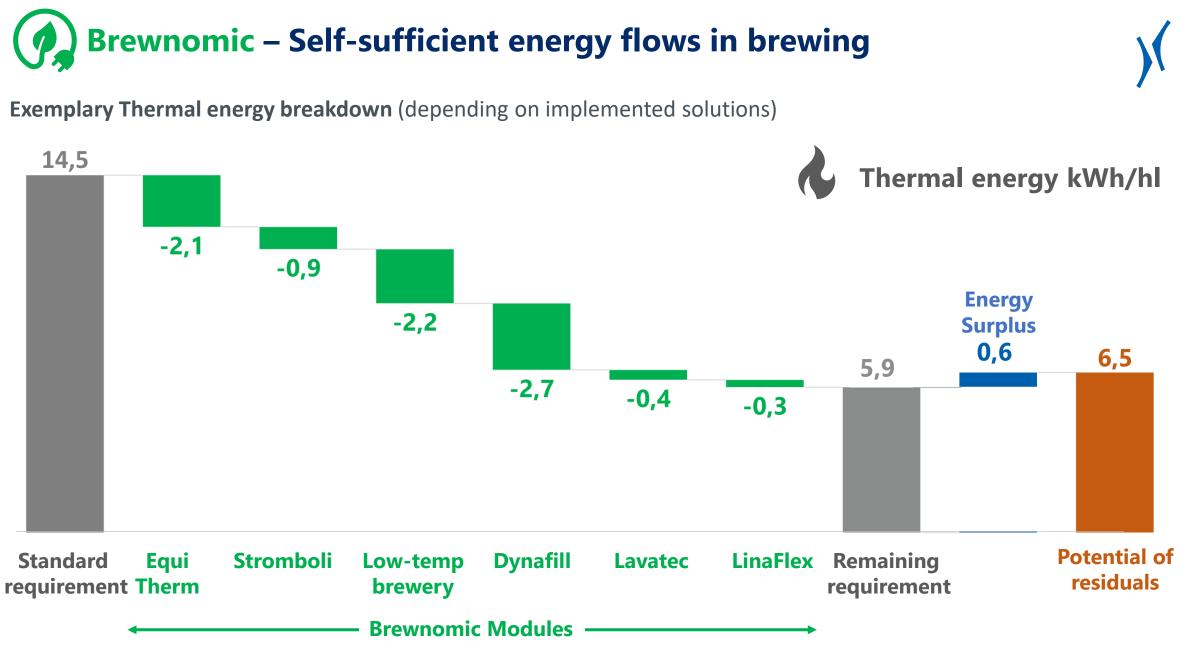
**Direct emissions** Burning natural gas **Indirect emissions** Animal feed for cows





**Saved emissions** Sustainable fertilizer **Saved emissions** Sustainable protein

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**Krones Process Technology – Solutions beyond tomorrow** 



Persistent profitable business unit through decisive action

Flexible resilient setup built to master a volatile world

Clear focus on high growth future industries





# 05 Deep dive: Intralogistics Luigi Panzetti

## **Measures at a glance: segment Intralogistics**





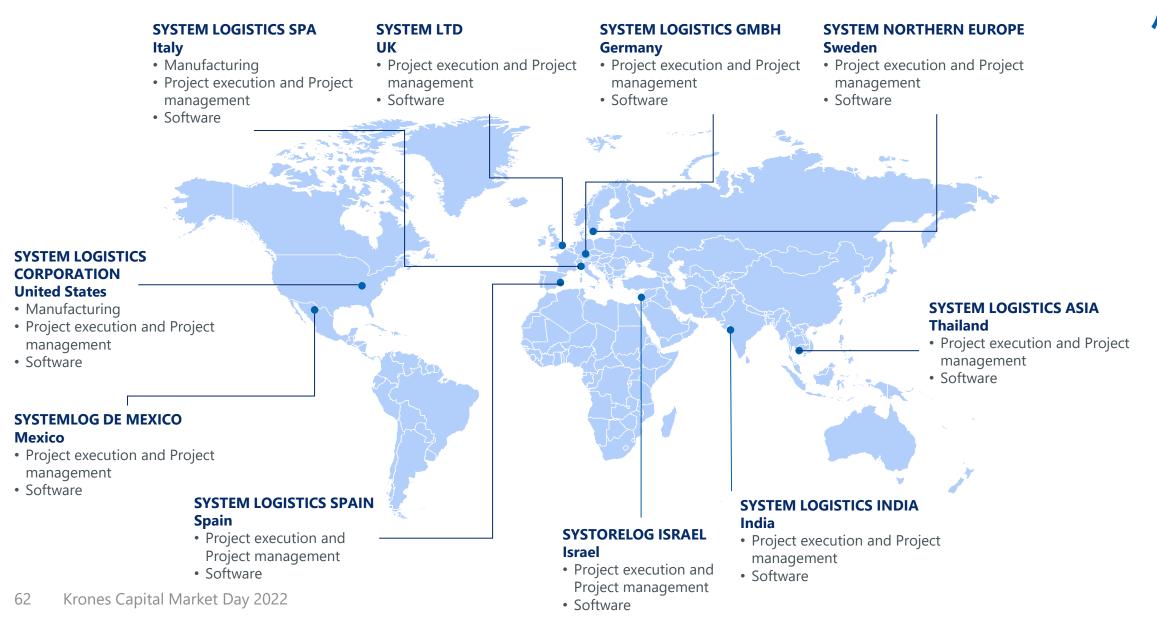
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#### **Programmes to improve growth and efficiency**

Program	Structure and process	Global footprint	Portfolio	Growth
Topics	<ul> <li>Improve project execution</li> <li>Extend software and project management skills and capacity</li> <li>Talents development</li> </ul>	<ul> <li>&gt; Leverage Mexican hub for US business</li> <li>&gt; Extend China and Asia Pacific set up</li> <li>&gt; Extend Indian set up</li> </ul>	<ul> <li>Mix change to more flexible and scalable projects (AGVs/AMRs<sup>1</sup>)</li> <li>Robotic solutions for order picking</li> </ul>	<ul> <li>&gt; Dynamic market growth</li> <li>&gt; Increase service business</li> <li>&gt; Opportunities in groceries</li> <li>&gt; Pricing</li> </ul>
Rev		€20-40m	€60 – 80m	€80 – 120m
EBITDA	0.5% – 1.0%		0.5% – 1.5%	0.5% – 1.0%

1. AGV = Automated guided vehicles, AMR = Autonomous mobile robots

## System Logistics network ensures global customer proximity



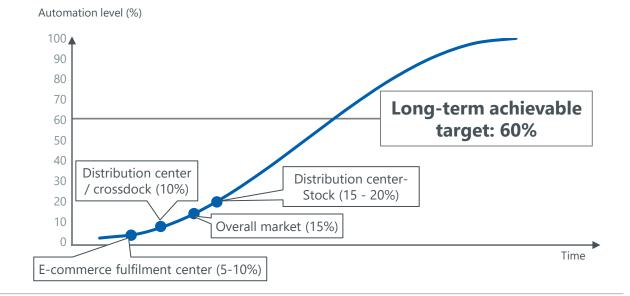
## Warehouse Automation market growth



#### Warehouse Automation Market is growing...<sup>1</sup> EUR bn



#### ... however Automation penetration in warehouses is still low<sup>1</sup>



## Main drivers for growth

- > Necessary optimization of storage facilities thanks to rising E-commerce penetration
- > Aging population and rising labour costs led to an **acceleration of skilled labour shortages**
- > Increasing care for **health and safety** of heavy duty operators
- > Increasing production costs and increasing complexity of logistics
- > Need for **enlarged warehouse capacity** in emerging markets
- > Higher **demand for automation** coming from political and corporate focus on **digitalization**
- > SKUs increase due to new market trends

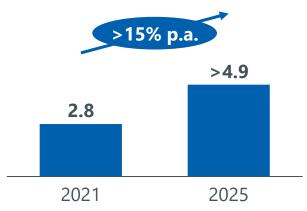
Source: 1. BNP Paribas, 2022

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## **Trends & technologies driving the intralogistics growth**

#### **Rise of E-commerce<sup>1</sup>**

Global market USD tn

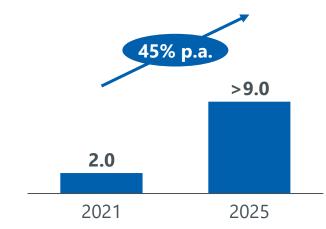


**E-commerce growing** and driving Warehouse automation

- Increased consumer expectations lead to higher Ecommerce volumes, causing the need of enlarged warehouse capacity
- Through automation, higher quantities in shorter time and more warehouses in facilities closer to cities can be managed

#### Growing AMR<sup>2</sup> market<sup>3</sup>

Global market USD bn



**AMR<sup>2</sup> grows strongly,** creating new opportunities especially in lower value and strenuous supply chain operations

- Intralogistics is expected to become the largest end market for AMRs
- Cost efficiencies enabled by innovation, increasing productivity, eliminating errors and improving material monitoring
- > AMRs are key to affordable, scalable & flexible solutions

BNP Paribas, 2022; 2. AMR = Autonomous mobile robots; 3. Innok Robotics, 2022
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## **System Logistics ambition until 2025**

#### 2022



€ ~330 m revenues > 5% EBITDA € ~500 m revenues 7 -9 % EBITDA

## Main drivers for growth

- > Develop new market segments in the regions (Grocery, E-Commerce, ...)
- Increase share of automated picking systems
- > Switch from CAPEX offering to OPEX offering for specific solutions (SortMate, AGV)
- Customer require new solutions to achieve sustainability targets (CO2, health and safety)

### **Intralogistics – Core topics**

## X

#### Increase Energy Efficiency



### Enhance Labour Health and Safety



### Promote Smarter Logistics



### Face Increasing Complexity



Up to 40% reduction in energy consumption

Up to 50% reduction in FTEs and accident-free operations

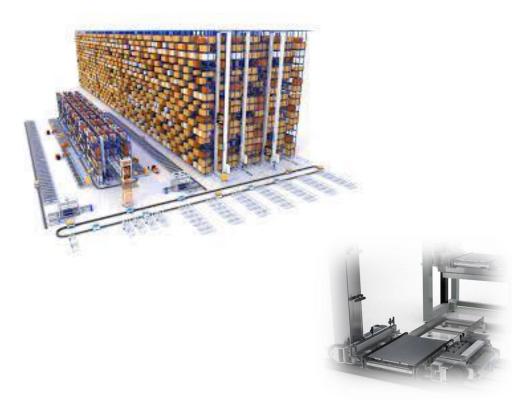
**Up to 20% savings** in logistics cost savings

**From hundreds to Tens of thousands** SKUs

## Krones is an expert in Intralogistics – providing more efficient, safer, smarter and simpler solutions to its customers

## Intralogistics solutions to increase energy efficiency





#### Krones solutions can save up to 40% of energy\*

#### \* depending on system solution

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#### **Energy efficiency levers**

- > Improved Weight Ratio Machine vs Payload
- Install systems to recover the potential and kinetic energy accumulated during lifting or accelerating phases: Super Capacitors
- > Enhance Motion Systems efficiency

## Intralogistics solutions to enhance labour health and safety





#### Labour health and safety levers

- Increased automation in logistics processes to compensate labour shortage
- > Relieve heavy works with robotics
- Increase safety by reducing traffic of manual driven vehicles

#### **Krones technology relieves from heavy works, compensates labour shortage and avoids** accidents

### **Intralogistics solutions to enable smarter logistics**



Light formats Storage and Sequencing



#### **Smarter logistics levers**

- > Create easy, affordable, scalable & flexible solutions
- > OPEX vs. CAPEX option
- Modularity and standardization
- > De-materialize Transport Systems
- Multiple AGV Solutions
- Smart AMR Solutions

#### Krones supports its customers in achieving up to 20% cost savings in logistics

1. Automated guided vehicle 2. Autonomous mobile robots

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## **Intralogistics solutions to face increasing complexity**





#### **Flexible logistics levers**

- > Multi-format Plastic bins & Carton boxes
- Single-Case Storage, Sequencing and Palletizing
- Increase Storage Efficiency vs Footprint
- Automatic multi-SKUs pallet forming
- > AGVs/AMRs for flexible material flow layouts

## Krones has profound capabilities to manage multi-SKUs pallet forming in the Food & Beverage industry

## **Intralogistics – Solutions beyond tomorrow**





**Robust Growth supported by high market potential and target industries differentiation** 



**Bigger share of higher margin solutions creates Increased profitability** 



Leveraging on superior software and robotics capability



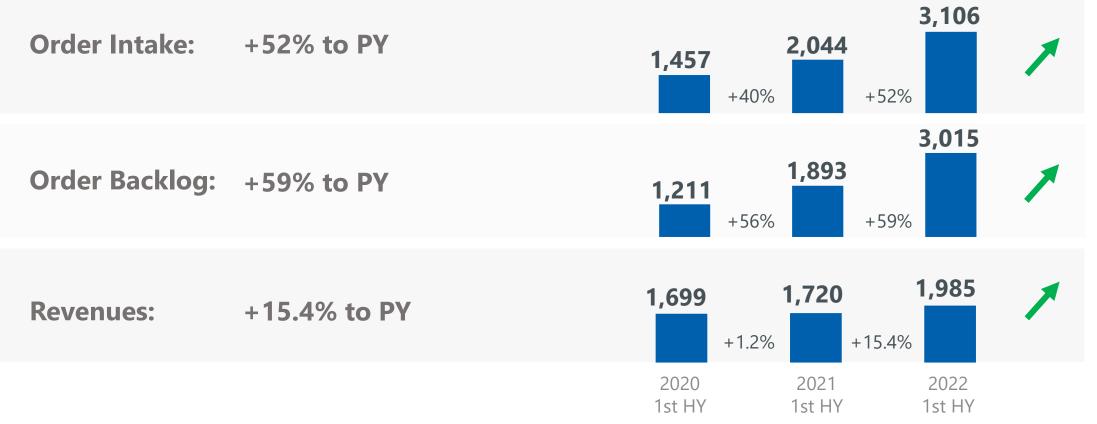


# 06 Financial Overview – Confirmation of Targets 2025

Norbert Broger

# Krones Group: 1st HY Key Financials (€ m)





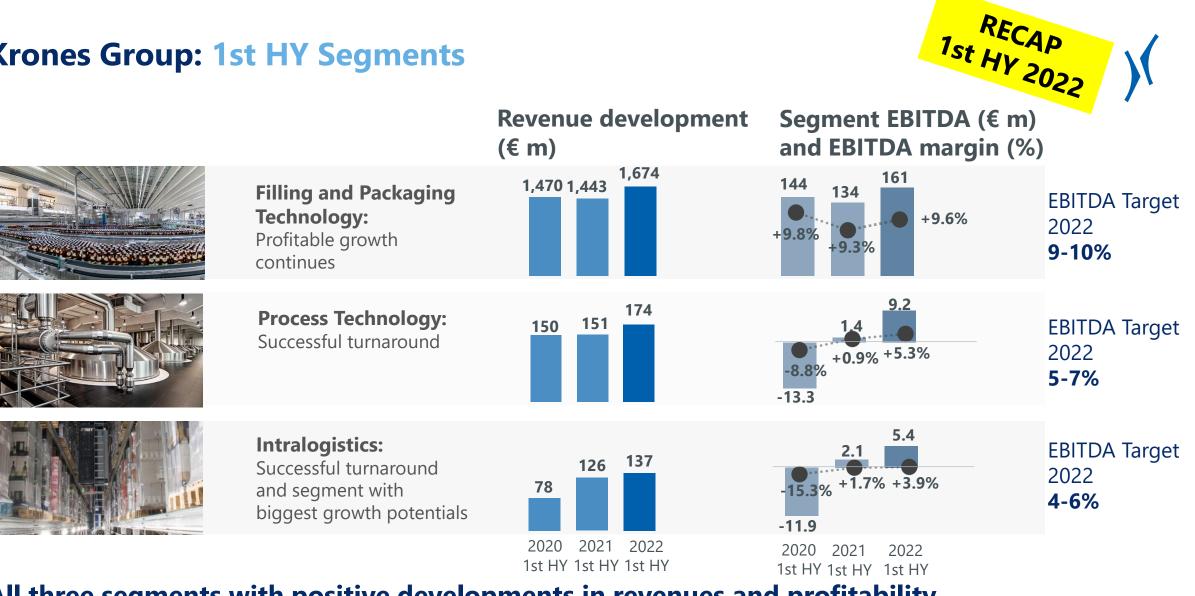
Fast and strong order and sales recovery – significant gains in market shares 2022
 Reduction of order backlog expected not before 2024



EBITDA margin: +0.8 PP to PY	7.0%	8.0%	8.8%	1
Working Capital: -6.5 PP to PY	27.6%	28.1%	21.6%	
ROCE: +3.5 PP to PY	4.0%	8.3%	11.8%	1
	2020 1st HY	2021 1st HY	2022 1st HY	

- > Significant improvements in profitability and capital utilization as promised
- > Impacts of price increases:
  - > 08/2021: starting to be effective with revenues Q4 2022
  - > 04/2022: starting to be effective with revenues Q3 2023
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# **Krones Group: 1st HY Segments**



All three segments with positive developments in revenues and profitability and in line with 2022 targets

<b>5% – 8%</b>	8% – 9%	10% – 12%
Revenue growth	EBITDA margin	ROCE

# We absolutely confirm to achieve our 2022 targets in challenging times

**Krones Outlook 2022** 

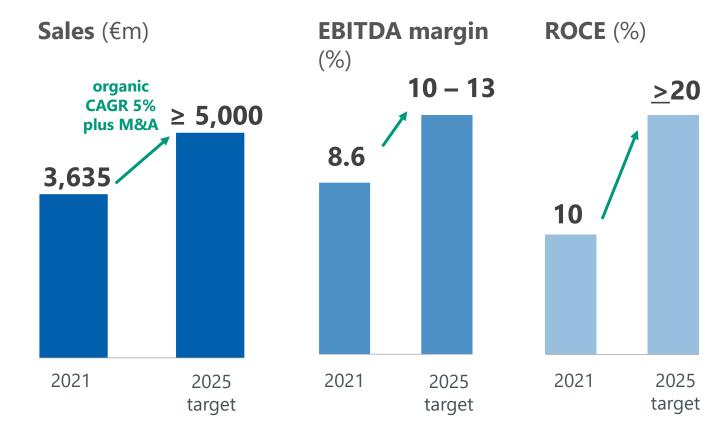
#### RECAP 1st HY 2022 **Efficiency improvement programmes successfully executed** 2020 **Programmes to improve efficiencies – current status** 2023 Program Status: Structure and **Global footprint Portfolio** 11/2020 Growth Process $\checkmark$ > Pricing > Adjust capacities Hungary plant Reshape product $\checkmark$ > portfolio > Product cost China plant Innovations in $\checkmark$ reduction Address future sustainable filling ( 🗸 ) Localize supply of brewery business and packaging chains and increase > Reduce internal lopics Sales added value in BCC sources Increase profitability Digital and Sales exp. (✓) manufacturing (√ of intralogistics €3.7bn remote service $(\checkmark)$ ~ €3.3bn > Localize (√` (✓) Ecosystem to Accelerate project service €4.0bn lead time > Localize sales ( 🗸 ) activities **EBITDA\* EBITDA** Impact 5.5% -1.5 - 2.0%1.0 - 1.5%0.5 - 1.0%0.5 - 1.5%9 - 12% 6.0%\* Finished Ongoing with good progress Program status as of 9/2022: - Behind set targets $\checkmark$

- > Revenue target will be achieved one year earlier
- > Profitability will be achieved in 2023 as promised

# **Financial targets for 2025 remain unchanged**

# We have set ourselves challenging but realistic financial targets for 2025:

- Sales ≥ €5bn, including minimum
   €4.5bn due to organic growth
- **EBITDA** 10% 13%
- > ROCE  $\ge 20\%$



### Despite all challenges in the world, we currently see more chances than risks to achieve our targets 2025

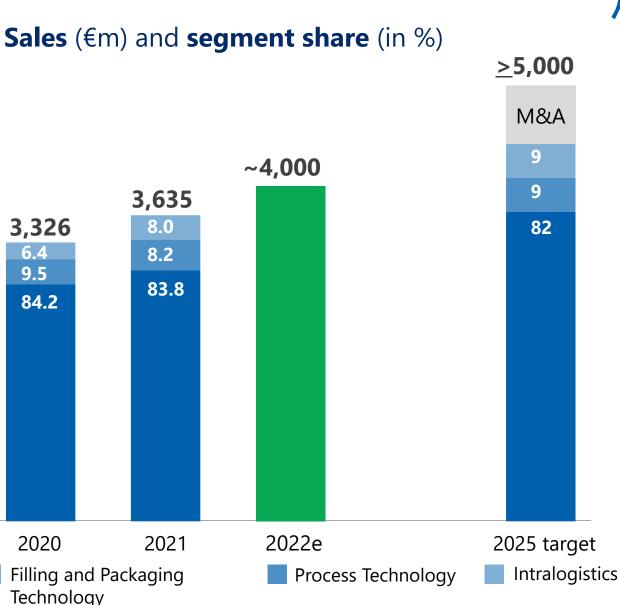
# Sales targets 2025 by segments

# Growth

- > 3% Global Beverage Market
- > + Sustainability centred solutions
- > + Digital and service solutions
- > + Increased packaging scope
- > + Innovation
- = 5% CAGR

### **M&A Focus**

- > High growth and high margin business
- > Leading technology & quality
- Increase resilience by investing also in food, health and personal care, pharma and plastic recycling





# **EBITDA\* targets 2025 by segments - unchanged**

### Filling and Packaging Technology: Actual\* 9.6% to target 12 – 14%

- Increase global production footprint
- Reshape product portfolio
- > Innovation in sustainable filling & packaging
- > Digital products and services
- > Pricing and customer development concepts

#### Process Technology: Actual\* 5.3% to target 7 – 9%

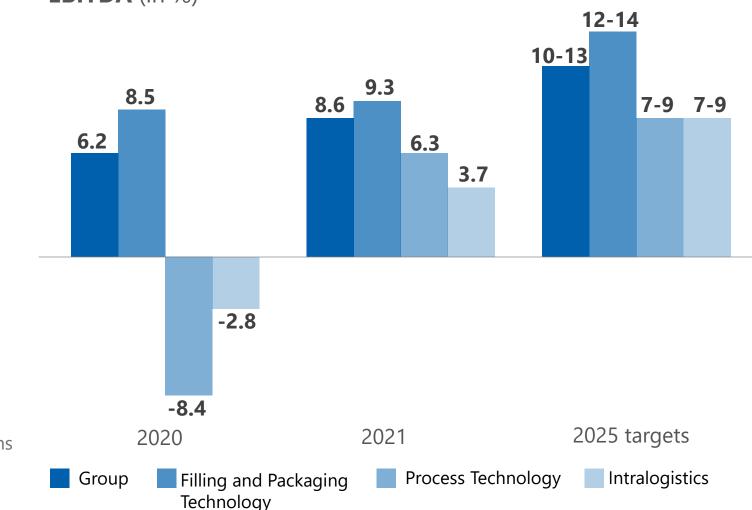
- > Increase share of service business
- > Increase share of component business
- > Reduce high-risk projects
- Transform portfolio
- Sustainable energy solutions
- > Grow alternative protein technologies

## Intralogistics:

Actual\* 3.9% to target 7 – 9% > Increase share of AGV's/AMR's

- > Innovations in robotized automated picking systems
- > Increase share of service business

**EBITDA** (in %)



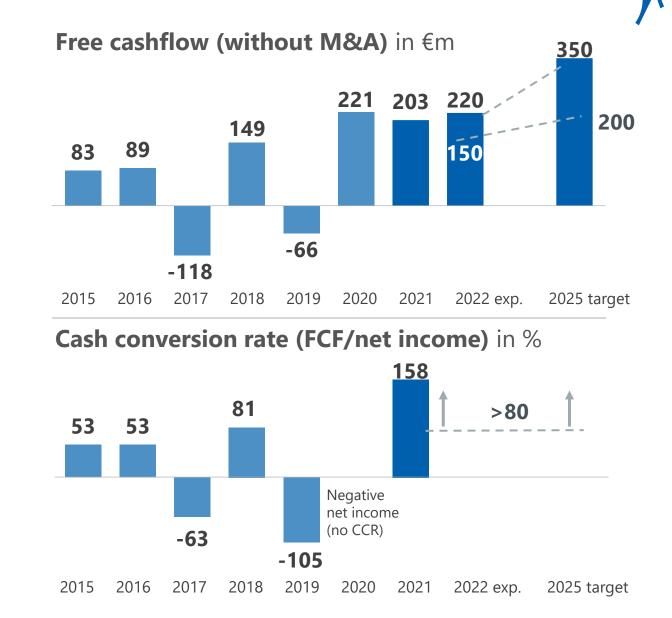
# **Krones Group: cashflow and cash conversion rate**

# Free cashflow and cash conversion rate significantly improving

- Strong internal focus on free cashflow established
- > High discipline in investments
- Improvements on working capital to be continued

# Cash will be used for

- > Dividends
- > M&A
- Resilience



# New performance programmes will improve our earnings and free cash flow to achieve our 2025 targets

# Improve sales performance



- New value added pricing system implemented in 2021/2022 with first positive impacts in 2022
- Next level CRM salesforce with rollout 2022/2023
- > Process mining & optimization
- Specific customer development concepts based on forward-looking classification
- Focus on high-margin products, customers and regions

# Drive innovation in products and processes



- New solutions for today, tomorrow and beyond, such as:
  - > world´s most sustainable can filling line
  - Brewnomic for zero carbon brewery
  - > new sustainable packaging
  - alternative protein technologies
  - new digital services and business models
  - > .... and many more to come

### Decrease proportional and fixed costs



- Improve global manufacturing footprint
- Increase speed of internal processes in all areas
- Increase efficiencies in engineering, manufacturing, sales and admin processes by enhancing level of digitalization
- Continuation of consequent cost management in all areas

### **Optimize investment allocation and working capital**



- Increase investments in profitable service business
- Strengthen resilience by investing "beyond beverages": Food-, Health And Personal Care-, Pharma- and Plastic Recycling business
- Improvements in working capital management to be continued
- > Capex 2.5% 3.5% of sales

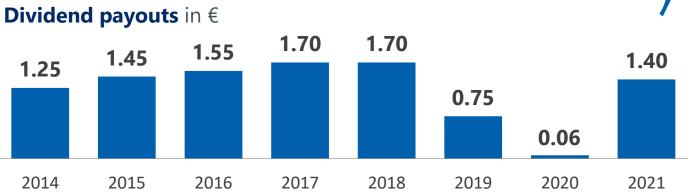
# Investor perspective

# **Dividend payouts**

- Continuous growth in dividend payments until 2019 reflecting the profitable growth path of Krones
- Strong recovery 2021 after crisis 2019/2020
- Based on approx. 30% of annual net income

# Share price development since CMD 2020

- With +52.5% strong development since the CMD 2020 vs. losses in SDAX (-6.9%)
- Based on most analyst recommendations, additional strong potential in Krones share price
- 1 Closing price XETRA,  $12^{th}$  September 2022



### Share price development in $\in$



X

## **Krones – an attractive investment**



Sustainability seen as the biggest innovation and growth driver for years to come  $(CO_2 \text{ and waste reduction})$ 



Digitalization, technology & innovation leader in filling and packaging



Leading position in attractive and growing beverage and food market



Clear growth path and profitability improvement plan



Financial stability and strong cash generation



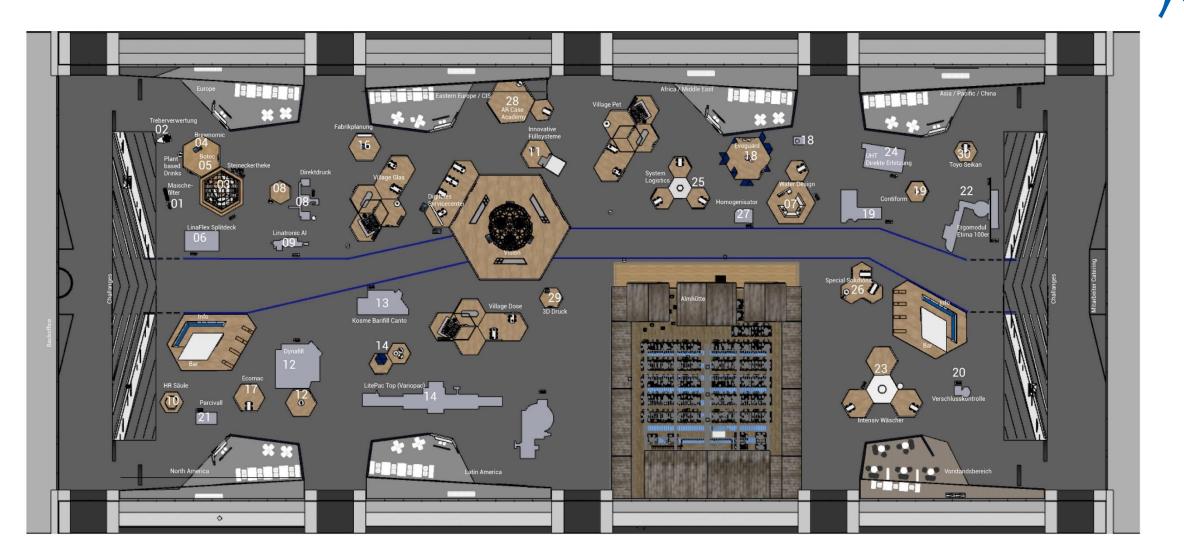
Reliable dividend pay-outs



# 07 Discussion/Q&As

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# **Krones – Booth plan**





# Thank you for your attention!

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# Financial calendar 2022 and 2023

November 4, 2022Conference Call Group<br/>Quarterly statement for the period<br/>from 1 January to September 30, 2022

February 23, 2023Conference Call GroupPreliminary figures FY 2022

May 5, 2023Conference Call GroupQuarterly statement for the periodfrom 1 January to March 31, 2023

May 23, 2023 Annual General Meeting

August 1, 2022Conference Call Group<br/>Quarterly state3ent for the period<br/>from 1 January to June 30, 2023

November 3, 2023Conference Call Group<br/>Quarterly statement for the period<br/>from 1 January to September 30, 2023



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