## bauma

24.-30. October 2022, Munich



# WELCOME TO PALFINGER CAPITAL MARKETS DAY

October 28, 2022



# NAVIGATING IN A VOLATILE ENVIRONMENT

ANDREAS KLAUSER CEO

## WE ARE A LEADING GLOBAL PLAYER – FROM ALL PERSPECTIVES

PALFINGER

Long-term partnerships with premier dealers and distributors

Exports in 130 countries with >5,000 partners

Global coverage, local presence

Strong global No. 1 in knuckle-boom cranes

Almost 50% market share for timber cranes globally

Premium brand with high profitability

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Revenue development in EUR million, minor rounding differences may occur.

20	010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021e	2022e	 2024e	2030e
Ma Ma	l d-Deck rine rine nes	INMAN	JV SANY Dreggen Palfinger- Tercek PCR	MCT JV Platforms Italy, JC Koch, PPI Nimet	JV KAMAZ PM Froup Hidro-Grubert Megarme	NDM JV FairWind JV KAMAZ	Harding Palfinger Iberica	Sky Steel Systems Palfinger Denmark	STRUC- INSPECT	GPO GO LIVE	Integration Segment SEA in GPO Acquisition HINZ	Equipdraulic OPTS	90 Years Anniversary	Record revenue through organic growth	Complete Solutions Provider

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## OUR ANSWER TO THE MEGATRENDS OF THE FUTURE







# THE VISION & STRATEGY 2030 IS OUR ANSWER TO THESE CHALLENGES.

#1

Market Leader for Crane and Lifting Solutions



# OUR BIG PICTURE: CONNECTED SOLUTIONS FOR A SEAMLESS AND CUSTOMER-CENTRIC BRAND EXPERIENCE



PALFINGEF

## PALFINGER WE DRIVE DIGITIZATION HOLISTICALLY **DATA & Enterprise Architecture** Business models Customers, **Partners** and **Employees** Process Smart Lifting organization Solutions Supply chain **IT CORE & DIGITAL BACKBONE** Foundation of the digital organization





THE WAY WE LOOK AT INFRASTRUCTURE HAS FUNDAMENTALLY CHANGED.

#### INVESTMENT PROGRAM ENABLES FUTURE GROWTH



#### **EMPLOYEE COMPETENCIES**

#### **SOLUTION COMPETENCIES**





## OUR MARKET ENVIRONMENT

CI LUCZI

## NAVIGATING STORMY WATERS

**Russia's attack** in February leads to energy crisis, worsening supply chain problems, general uncertainty, economic slowdown

PALFINGER

PALFINGER

The **pandemic** remains a factor of uncertainty, particularly in China.

The **availability of electronic components** has been very limited since Corona and the outbreak of war. PALFINGER stocks up on the open market through third parties.

Possible bottlenecks in energy supply

Highest inflation in decades

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#### ENERGY CONSUMPTION AT PALFINGER IS MUCH LOWER THAN OTHER INDUSTRIES

PALFINGER

At PALFINGER, the upstream value chain accounts for the highest energy consumption - the production of steel and aluminum.

- 2 PALFINGER has therefore **increased its stocks** of **energy-rich components**.
- 3 With innovative technologies, optimized designs, electrification and digitalization, **PALFINGER guarantees** its customers **the most energy efficient solutions**.
  - As early as **2020**, PALFINGER identified energy-intensive areas in its **production infrastructure** and **invested specifically in the latest technologies**.

5

4

1

PALFINGER is constantly evaluating energy consumption at all its sites and the options for reducing it by more than 10%.

## CHALLENGES REMAIN – ORDER BOOK AT A VERY HIGH LEVEL



1	The geopolitical situation (Russia's war in Ukraine) remains a key factor of uncertainty.	/
2	The same applies to <b>energy supply, global supply chains, scarcity of raw</b> materials, and inflationary tendencies.	
3	But: PALFINGER can count on <b>secure demand and therefore incoming orders</b> in the medium and long term.	
4	Thanks to its <b>customer focus</b> , innovative solutions and products, and its services, PALFINGER has an <b>excellent standing on the market</b> , which it is continuing to expand.	<u></u>
5	Our own task forces provide support on all critical issues.	

## CHALLENGES 149.16

# ACHIEVEMENTS

FELIX STROHBICHLER CFO

#### **RECORD TURNOVER DESPITE NUMEROUS CHALLENGES**





## SEGMENT

## SALES & SERVICE

PALFINGER

## DISPROPORTIONATE GROWTH IN NAM AND LATAM



1	Ongoing <b>positive market environment in NAM and LATAM, weakened</b> <b>market demand in EMEA and APAC</b> due to global economic developments and uncertainties
2	Revenue growth continues to be influenced by price increases and exchange rate effects
3	High order backlog and therefore continued long delivery times
4	Delivery delays for trucks lead to high inventory levels for finished products
5	<b>Dynamic pricing</b> enables <b>rapid passing on</b> of <b>material cost increases</b> with effectiveness from 2023

## **HIGHEST EVER Q1-Q3 REVENUE**



in EUR million	Q1-Q3/2020	Q1-Q3/2021	Q1-Q3/2022	Δ%	
External revenue	1,033.8	1,241.5	1,419.1	14.3%	
EBITDA	118.9	151.2	115.0	-23.9%	
EBIT	80.0	124.8	97.6	-21.8%	
EBIT margin	7.7%	10.1%	6.9%	_	

## SEGMENT

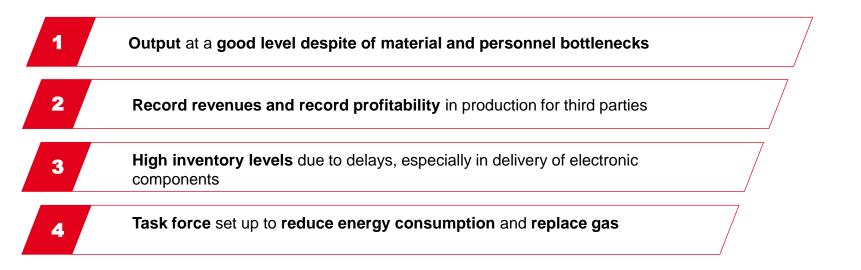
## **OPERATIONS**



Segment OPERATIONS

# UNSTABLE SUPPLY CHAIN REQUIRES HIGH FLEXIBILITY IN PRODUCTION





## HIGH PROFITABILITY IN OPERATIONS DRIVEN BY MANUFACTURING FOR THIRD PARTIES



in EUR million	Q1-Q3/2020	Q1-Q3/2021	Q1-Q3/2022	۵%	
External revenue	68.7	96.1	161.8	+68.4%	
EBITDA	34.8	51.0	66.6	+30.6%	
EBIT	8.9	24.9	37.0	+48.6%	

## UNIT

## HOLDING

PALFINGER

SINCE 1932 YEARS

## POSITIVE EXCHANGE RATE AND ONE OFF EFFECTS



in EUR million	Q1-Q3/2020	Q1-Q3/2021	Q1-Q3/2022	۵%	
EBITDA	-13.4	-13.9	-11.0	+20.9%	
EBIT	-18.3	-24.3	-22.0	+9.5%	

## PALFINGER

## GROUP

#### EBIT IMPACTED BY COST INCREASES AND DEFERRED EFFECT OF PRICE INCREASES

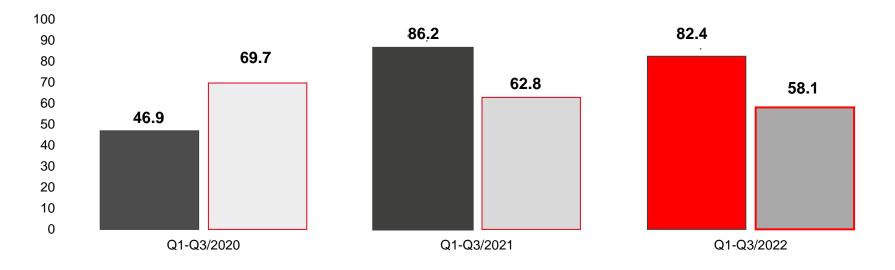


in EUR million	Q1-Q3/2020	Q1-Q3/2021	Q1-Q3/2022	∆% 2021/22	
Revenue	1,102.4	1,337.6	1,580.9	+18.2%	
EBITDA	140.3	188.3	170.6	-9.4%	
EBITDA margin	12.7%	14.1%	10.8%	-	
EBIT (operating result)	70.6	125.4	112.5	-10.3%	
EBIT margin	6.4%	9.4%	7.1%	-	
Consolidated net result	31.8	71.4	53.2	-25.5%	

PALFINGER Group

# IMPLEMENTATION OF STRATEGY 2030 REQUIRES A HIGH LEVEL OF INVESTMENT







## SIGNIFICANTLY INCREASED FINANCING VOLUME DUE TO HIGH INVENTORY LEVELS - ATTRACTIVE FINANCING STRUCTURE



in EUR million	30/09/2020	30/09/2021	30/09/2022	
Financial liabilities (FV) <sup>1)</sup>	459.0	421.0	719.1	
Avg. interest debt <sup>2)</sup>	1.38 % <sup>2)</sup>	1.28 %	1.91%	
Avg. remaining term debt	4.06 years	2.08 years	3.31 years	
Net debt	458.9	421.0	629.8	
Equity	606.7	689.2	728.6	

1) Including EUR 41,5 million leasing liabilities according to IFRS 16 (09/2021: EUR 40,4 million)

2) Excluding currency hedging costs.

In accordance with IFRS, slight rounding differences possible.

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# REVERSAL OF CROSS-HOLDING AND ACQUISITION OF MINORITY SHARES REDUCE EQUITY



	30/09/2020	30/09/2021	30/09/2022
Equity ratio	39.0%	39.2%	35.7%
Gearing	75.6%	61.1%	86.4%
Net debt/EBITDA	2.43	1.78	2.79
ROCE	6.5%	11.0%	8.7%

In accordance with IFRS, slight rounding differences possible.

#### PALFINGER Group

# MASSIVE INCREASE IN WORKING CAPITAL BURDENS FREE CASH FLOW

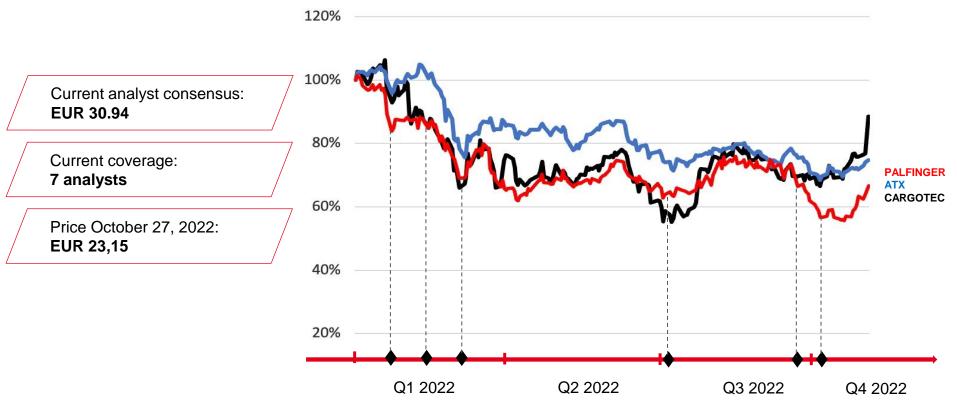


in EUR million	Q1-Q3/2020	Q1-Q3/2021	Q1-Q3/2022
EBTDA	128.2	181.0	163.1
+/- non-cash income from at-equity companies	-4.7	-8.1	6.8
+/- change in working capital	16.1	-53.1	-137.9
+/- cash flow from tax payments	-6.8	-22.1	-36.3
Cash flow from operating activities	132.8	97.6	-4.3
+/- cash flow from investing activities	-42.9	-100.8	-71.3
Cash flow after changes in working capital and investments	89.9	-3.2	-75.6
+/- cash flow from interest on borrowings adjusted for tax expenditure	6.4	6.0	5.8
Free cash flow	96.3	2.8	-69.8

In accordance with IFRS, slight rounding differences possible.

# SHARE PRICE DEVELOPMENT BURDENED BY RUSSIAN EXPOSURE AND GLOBAL ECONOMIC ENVIRONMENT





#### **REVENUE ABOVE EUR 2 BILLION FOR FULL YEAR 2022 WITHIN REACH**



Order coverage is up to Q3 /2023 and enables revenue target of over EUR 2 billion in 2022, EBIT target is close to previous year

Further price increases will take effect over the next few months

Highly challenging environment due to **geopolitical situation** and macroeconomic development.

**Limited visibility** due to energy supply and continued unstable supply chain Ukraine war and COVID remain factors of uncertainty

#### MID-TERM TARGETS 2024 TO BE UPDATED WITH THE PUBLICATION OF THE FULL-YEAR RESULTS IN FEBRUARY 2023

PALFINGER SINCE SINCE SINCE

2024

Market Leader for Crane and Lifting Solutions

EUR 2.3 billion Revenue from organic growth

**10%** EBIT margin **12%** ROCE

#1

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# THE KEY PILLARS OF OUR VISION 2030 — REVENUE TARGET EUR 3 BILLION

Market Leader for Crane and Lifting Solutions

#1







HARALD HAUSER VP SUPPLIER MANAGEMENT

## **REASONS FOR THE SUPPLY CHAIN DISRUPTION**





## UNEXPECTED WORLDWIDE INCREASE IN DEMAND LEADS TO CONSTRAINTS IN SUPPLY CHAIN

PALFINGER

		2020	2021	2022	
DELIVERY TIMES	<ul> <li>Steel plates</li> <li>Tubes</li> <li>Semiconductors</li> <li>Truck/Chassis</li> </ul>	4 months $\rightarrow$	5 months → 6 months → 12 months → 10 months →	6-7 months	
SHORTAGE IN ELECTRONICS	<ul><li>range of industries</li><li>Gaming industry is sate</li></ul>				
		2020 2	021 2022	<b>—</b> /	
TRANSPORT COSTS	<ul> <li>Higher costs in Sea freight (40-foot container)</li> <li>Transport time</li> </ul>		000 → € 7000 - 8		

# **IMPACT OF COVID ON SUPPLY CHAIN**

#### Lockdowns in China remain a challenge

- Zero-Covid policy
- Lockdowns:
  - Containers cannot be loaded, delivery delays occure in urgent cases air freights must be used → leads to higher costs
- Inventory strategy compensates for delivery delays

#### Rest of the world has improved

 There are currently no serious Covid impacts on production capacities in other regions



# **IMPACT OF UKRAINE WAR ON SUPPLY CHAIN**

#### Suppliers in Ukraine and delivery situation

- Suppliers for steel pipes → immediate production stoppage for → 2-3 weeks
- Now continued delivery of steel tubes
- Increased focus on second source due to war
- PALFINGER indirectly impacted by wiring harness bottlenecks

#### Russian invasion led to skyrocketing prices

- February 2022: Additional 30% increase in steel prices and potential gas issues
- May 2022: Steel prices fell again starting May 2022



# 1K01 - Steel HRC dom exw N Eur

Steel hot rolled (HR) coil | domestic price | ex-works Northern Europe | | |



- 1K01 - Steel HRC dom exw N Eur



# ENERGY CRISIS

25

## **OVERVIEW – ENERGY MARKETS EMEA**

Gas supply for winter 2022/23 in Europe is reasonably secure (even without Russian supplies); Germany – risk run short on gas in winter 2022/2023

Extremely volatile markets with particular, country specific market environments

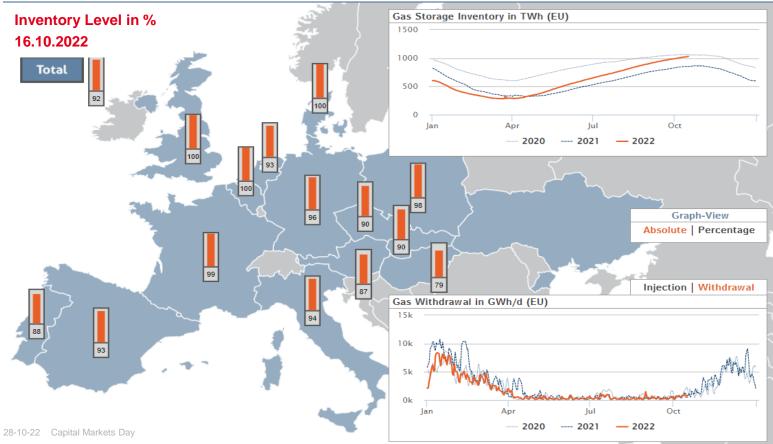
Inhomogenious markets in Europe request local procurement strategies in EMEA

Uncertain situation for upcoming winter



# EU TARGET OF 80% ALREADY REACHED IN AUGUST

#### GAS: European Gas Storage Inventory (AGSI)





# **CONTINUING CHALLENGES IN 2023**

The situation of electronic components is expected to be relaxed by 2<sup>nd</sup> half of 2023 2 Approval of new suppliers for double sourcing is ongoing Steel price decreased by Q4 2022 and 3 will further go down in Q1 2023 Slightly recovery in Global International Transportation Slightly easier availability of **trucks**  $\rightarrow$  Production of wire harnesses moved to Poland & other countries

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## WE ALREADY HAVE A STRONG BASE TO RELY ON



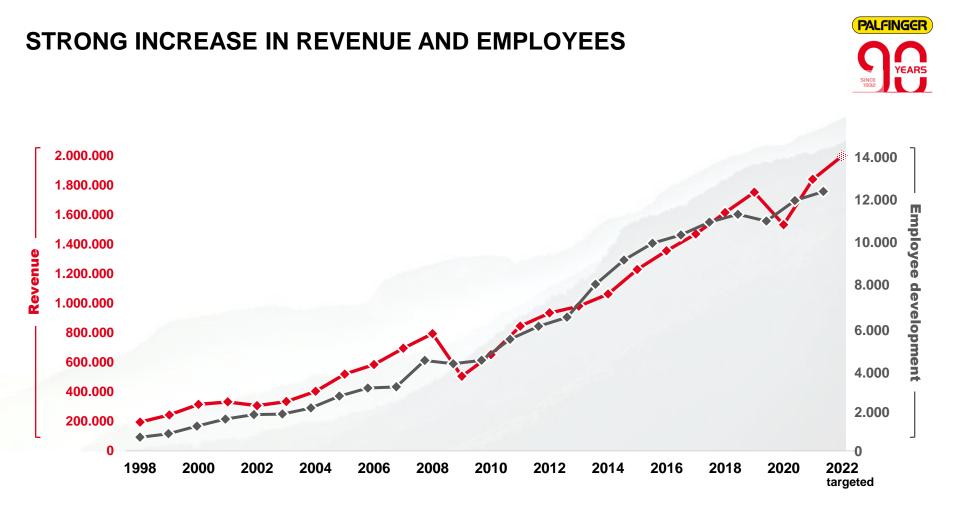
Adjust **inventory strategy** for commodity parts (higher safety stock) Double sourcing with suppliers in **different regions**  Using **global acting suppliers** as far as possible "local for local" Force strong and long-term **partnership** with strategic suppliers and sub-suppliers

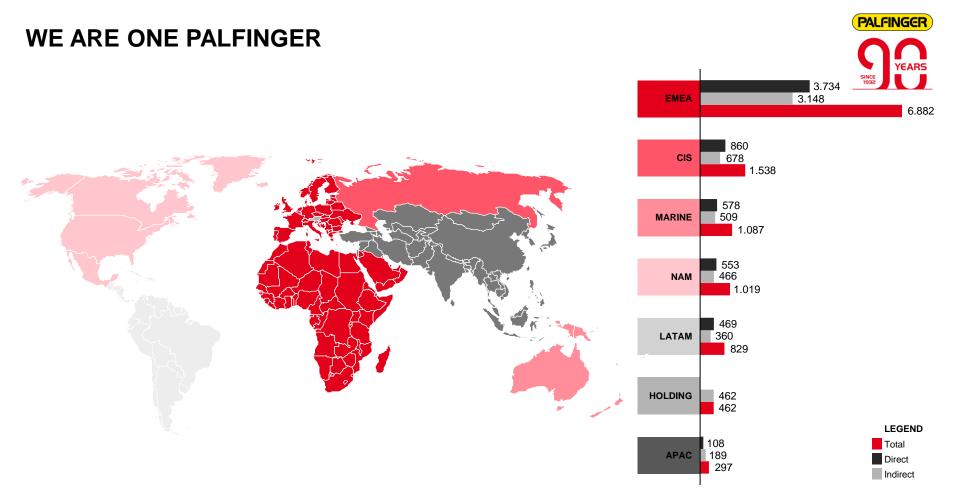


PALEINGER

# SUCCESSFULPE MANAGENEN TODAY AND TOMORROW

MICHAEL BERGER VP GLOBAL HUMAN RESOURCES



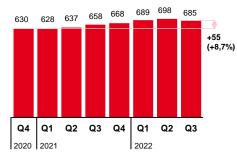


## NUMBER OF EMPLOYEES IS GROWING EVEN IN CRITICAL AREAS



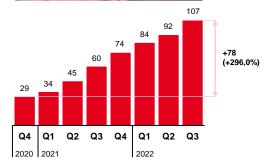
#### Successful growth in engineering & IT



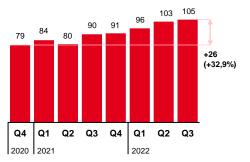


GLOBAL BUSINESS SERVICES Sofia









PLM&E global 8.7% fluctuation YOY Global Business Services Sofia 12.5% fluctuation YOY ICT 10.2% fluctuation YOY

# **MEGATRENDS AS A MAJOR CHALLENGE FOR A GLOBAL PLAYER**





- "Go for Solutions" requires a changed mind-set
- · Ability to orchestrate eco-systems of partners



- Significant need for digital natives
- Skilled workers are and will be the core of any organization



- Further develop leadership culture and work environment
- Make & Buy: educate and train

## MEET THE CHALLENGES OF TOMORROW AS A RELIABLE AND STABLE EMPLOYER





2

3

## "RETAIN" FIRST, THEN HIRE

DO THE RIGHT THINGS AND TALK ABOUT IT

## HR STRATEGY



LEARNING ORGANIZATION

GO DOWN DIFFERENT PATHS





# **"GO DIGITAL" – PILOT DIGITAL MASTERCLASS**



#### GOAL

**Efficient recruitment of new talent** – time to get in touch with high potentials/potential employees for PALFINGER, then hire at least 30% of the participants

**TARGET GROUP** (pilot, changes in every iteration) **Web/Application Developer** – FH & university students (after assessment) USP: Teamwork, top-level training, PALFINGER as a technology company, etc.

#### CONTENTS

Get to know PALFINGER as a technology company
 Talks by internal and external experts
 Using cutting-edge technology in project teams

#### **DURATION & NUMBER OF PARTICIPANTS & LOCATION**

At least 12 weeks (as an internship - competitive salary) 10 people, Salzburg & Vienna, participants work full time for PALFINGER



PALFING





# **"MAKE-OR-BUY" – APPRENTICES ARE A MAJOR PILLAR OF OUR HR STRATEGY**



#### **STATUS QUO**

- 1. Focus on DACH region, China,
- 2. Focus on Operations
- 3. Apprentice training in 13 professions
- 4. Almost 250 apprentices in training year 2022/23
- 5. Increase number of apprentices to 500 by 2027



#### **SCOPE OF TARGETED EXPANSION**

SHORT TERM Establish PALFINGER Campus Lengau by 2023

Train contract workers: welding, sheet metal technology, assembly, hydraulics, PLC

**MID TERM** 

Gradually increase apprentices A Train & re-skill employees (changed task area) Expand geographic scope

Long term

Increase number of apprentices in skill shortage jobs Establish new job profiles at PALFINGER (digitalization)



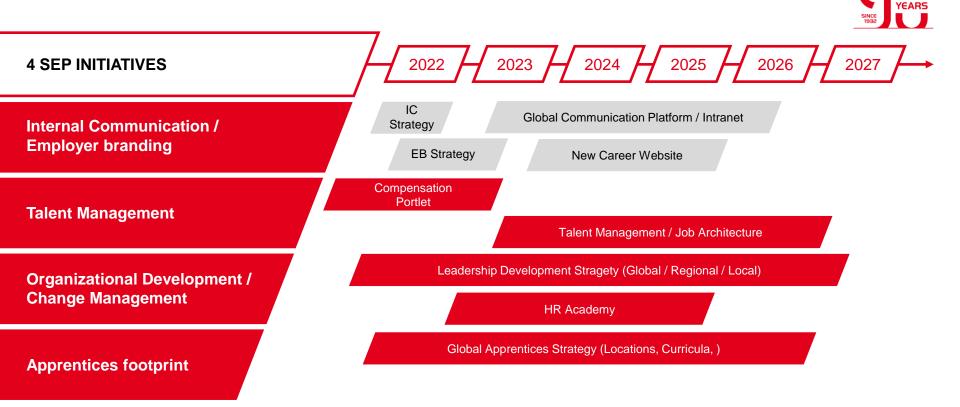




PALFINGER.CO



# HR STRATEGY 2023-2027 - ATTRACT, RETAIN, DEVELOP



PALFINGER

# THE NEEDS OF OUR CUSTOMERS ARE THE FOCUS



#### CREATING ADVANTAGES ....



NEW SKILLSETS REQUIRED



ASSISTANCE SYSTEMS





... AND VALUES FOR OUR CUSTOMERS & PARTNERS

# PEOPLE ARE THE PULSE OF PALFINGER & MAKE THINGS HAPPEN



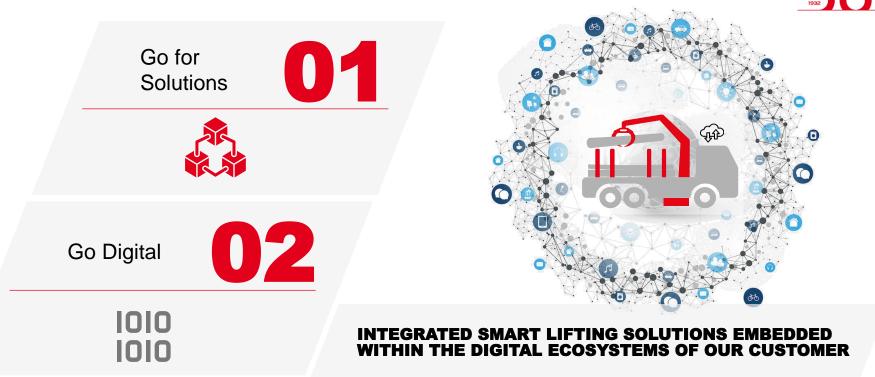




# ANGING CONFILMENT

# ANDREAS HILLE SVP GLOBAL PRODUCT LINE MANAGEMENT / R&D

# INTEGRATED SMART LIFTING SOLUTIONS REQUIRE THE COMBINATION OF BOTH PILLARS OF OUR STRATEGY



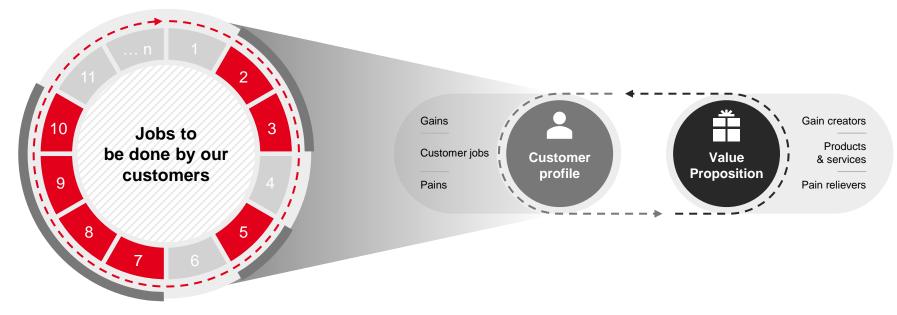
PALFING

## DEEPLY UNDERSTANDING OUR CUSTOMERS' JOBS TO BE DONE IS THE BASIS FOR OUR VALUE PROPOSITION



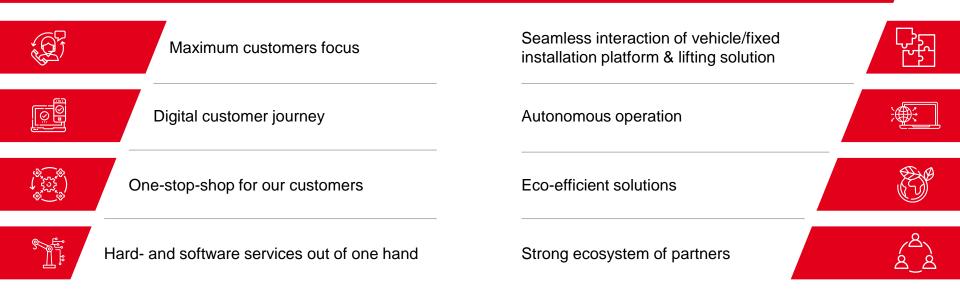
#### END-TO-END VALUE CREATION PROCESS

### PALFINGER VALUE PROPOSITION



Jobs where PALFINGER contributes significantly to customers' value creation

# 8 KEY FOCUS AREAS



**MOVE FROM STRATEGY TO ACTION** 

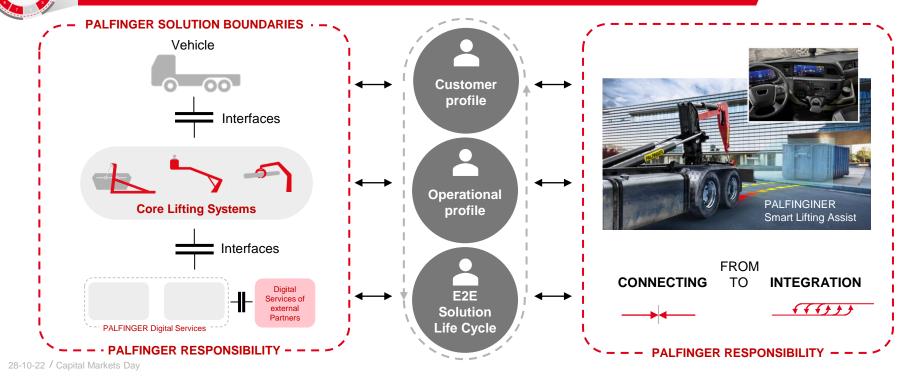


# PROVIDING CONFIGURABLE SOLUTIONS WHICH ARE READY TO GO TO WORK

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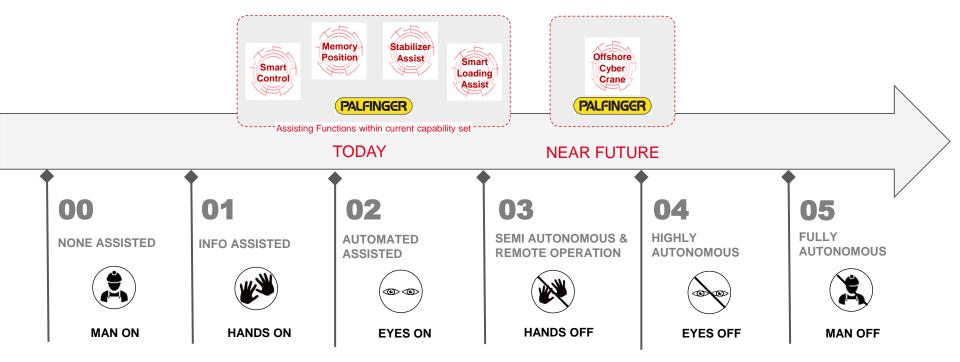
#### TAKING OVER FULL RESPONSIBILITY OF INTEGRATED SOLUTION



# INCREASING SAFETY AND OPERATIONAL PRODUCTIVITY WITH OUR AUTONOMOUS OPERATING ROADMAP

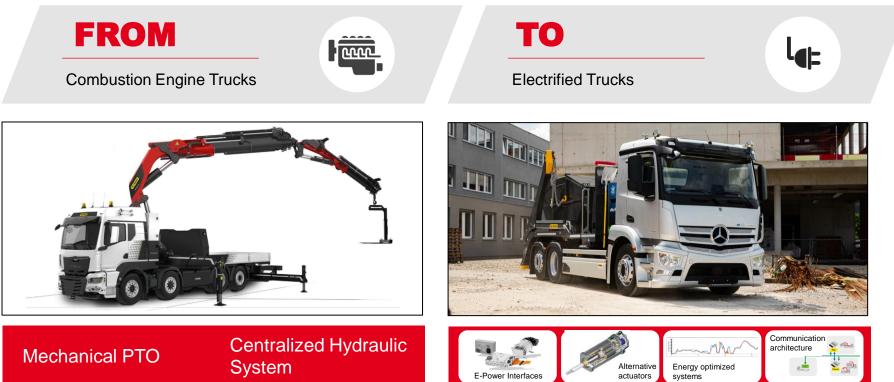


#### MOVING TOWARDS SEMI-AUTONOMOUS & REMOTE OPERATION IN APPLICATIONS WITH HIGH SAFETY RISK / COST



# MAXIMIZING PERFORMANCE AND INCREASING ECO-EFFICIENCY WITH ELECTRIFIED LIFTING SOLUTIONS





# GLOBAL R&D ORGANIZATION IS DRIVING THE TRANSFORMATION OF PALFINGER INTO A TECHNOLOGY COMPANY



#### **GLOBAL R&D SITE SETUP**

			Structure meeting bal Requirements
R&D Sites	Size	R&D ratio	International
24	700	<sub>~</sub> 4%	13 Countries

#### **R&D MATRIX ORGANIZATION**

Timber & Recycling Cranes         Vehicle Interface Management         Project Management Office         • Mechanical Design           Aerial Work Platforms & Special Solutions         + Homologation Solution Accessory         - System Engineering & Requirement Management         • Mechanical Design         • Static & Stability           Management         - Solution Accessory         Requirement Management         • Hydraulics Systems & Actuation         • Hydraulics Systems & Actuation           Tail & Passenger Lifts         • Industrial Solution Design         • Industrial Solution Ragement         • Verification & Validation • RAD Process & Tools         • Control Hardware & Sensories           Self-Propelled Lifting Solutions         • Loader Cranes         • Marine Solutions         • Software Development			Center of Excellence Vehicle Integration	Center of Excellence System Management & Engineering	Center of Excellence Mechatronics
Aviant Nation Sub     - Solution Accessory     Requirement     - Hydraulics Systems & Management       Hooklifts & Skiploaders     - Solution Integration     - IP & Innovation     - Electrical Design       Tail & Passenger Lifts     - Industrial Solution Design     - Verification & Validation     - Communication System & Telematics       Self-Propelled Lifting Solution negation     - Master Data Management     - Control Hardware & Sensorics       Loader Cranes     - Master Data Management     - Solution Accessory	<b>.</b>	Timber & Recycling Cranes			
Hooklifts & Skiploaders     Solution Integration     · IP & Innovation     · Electrical Design       Tail & Passenger Lifts     · Industrial Solution Design     · IP & Innovation     · Electrical Design       Self-Propelled Lifting     · Verification     · Verification     · Communication System & Telematics       Solution negration     · Master Data Management     · Communication System & Telematics     · Control Hardware & Sensories       Solutions     · Loader Cranes     · Master Data Management     · Master Data Management     · Embedded Application	<b>⊃</b> a ₫a		<ul> <li>Solution Accessory</li> </ul>	Requirement	Calculations • Hydraulics Systems &
Tail & Passenger Lifts     • Verification & Validation     • Telematics       • R&D Process & Tools     • Control Hardware & Sensories     • Control Hardware & Sensories       • Solutions     • Master Data Management     • Embedded Application       • Loader Cranes     • Odder Cranes     • Odder Cranes	<b>5</b> 0	Hooklifts & Skiploaders	<ul> <li>Solution Integration</li> </ul>	IP & Innovation	Electrical Design
Solutions Solutions Software Development	-,)	Tail & Passenger Lifts	- Industrial Solution Design		Telematics
💼 🚓 Loader Cranes	<b>.</b>			<ul> <li>Master Data Management</li> </ul>	Embedded Application
Marine Solutions	<b>)</b> .c	Loader Cranes			Software Development
	r.c	Marine Solutions			

Differentiation &<br/>StandardizationModel Based<br/>System<br/>EngineeringVerification &<br/>ValidationStandards,<br/>Process & Tools

## TOGETHER WE ACTIVELY SHAPE THE FUTURE AND DRIVE THE EVOLUTION OF THE INDUSTRY



PALFINGER IS WELL POSITIONED

#### FLEXIBILITY SECURES STABILITY

#### TURNING CHALLENGES INTO OPPORTUNITIES



# **STAY HEALTHY!**