

#### MUNICH

## Capital Markets Day 2024

September 10, 2024

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### Agenda

| 08:00                    | Arrival  | 11:15 Q&A Session          | Executive board   |
|--------------------------|--|----------------------------|---|
| 08:30 Strategy           | Susanne Wiegand<br>CEO, RENK Group AG            | 12:00                      | Lunch break   |
| 09:15 Financials         | CFO, RENK Group AG Anja Mänz-Siebje              | 12:45 Guest speech         | <b>LTG Ben Hodges</b><br>Former 3-star commanding General US Army<br>Europe |
| 10:00                    | Designated CFO, RENK Group AG<br>Break           | 13:30 Presentation<br>KNDS | Florian Hohenwarter<br>COO KNDS Deutschland                                 |
| 10:30 Operations         | <b>Dr. Alexander Sagel</b><br>COO, RENK Group AG | 14:00                      | Product demonstration   |
| Production<br>Supply cha |  | 16:30                      | End of CMD  |

### Content

| Strategy                    | Susanne Wiegand<br>Chief Executive Officer, RENK Group AG   | Page 6  |
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| Financials                  | <b>Christian Schulz</b><br>Chief Financial Officer, RENK Group AG<br><b>Anja Mänz-Siebje</b><br>Designated Chief Financial Officer, RENK Group AG | Page 25 |
| Operations                  | <b>Dr. Alexander Sagel</b><br>Chief Operating Officer, RENK Group AG  | Page 41 |
| Production/<br>Supply chain | <b>Dr. Emmerich Schiller</b><br>MD Production and Supply Chain, RENK GmbH   | Page 60 |

### Susanne Wiegand Chief Executive Officer RENK Group AG

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Empowering security

Becoming the global #1 in all mission-critical drive technologies for defense and energy transition

Enabling a sustainable (



In light of recent events, RENK recognizes its obligation as the #1 provider of mission-critical drive systems





Vehicle Suspensions



Test Systems





Engines



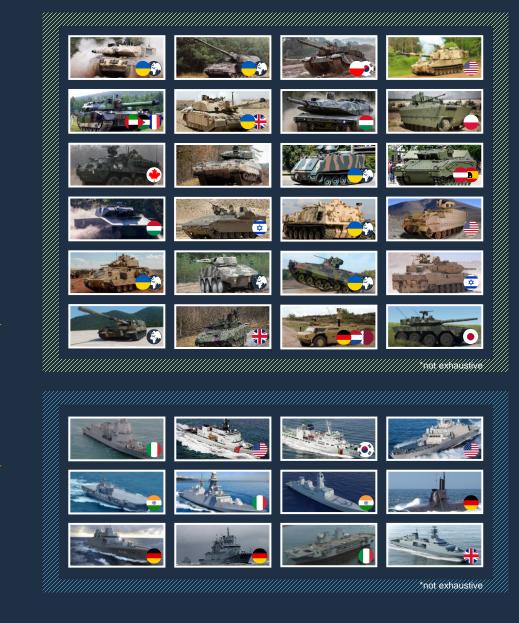
Couplings



Clutches

**Final drives** 

Bearings



- Country flag represents user nations
- Broad range of user nations

Currently in use in Ukraine

RENK

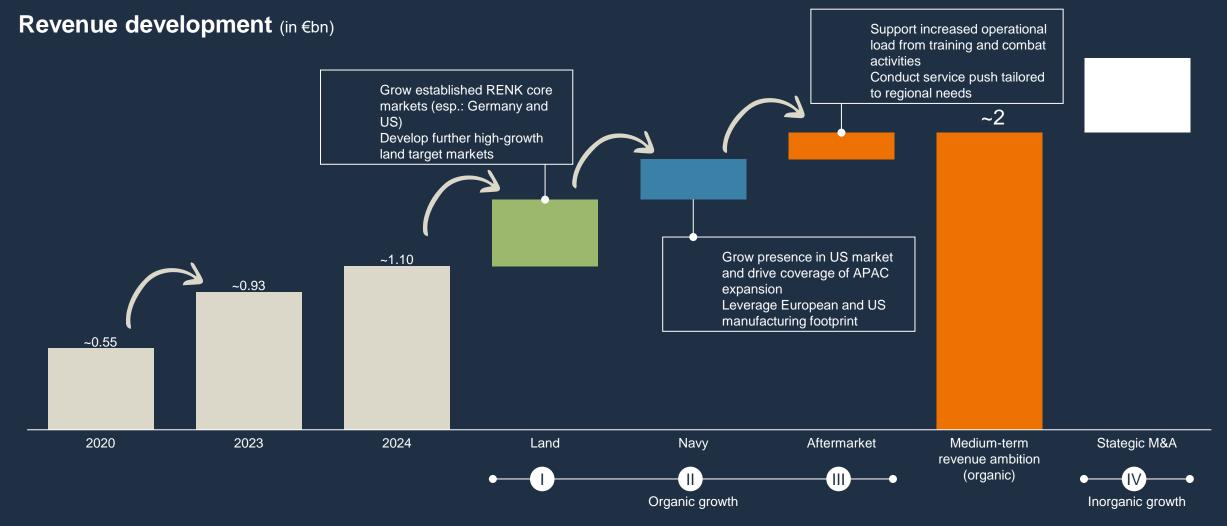
| KNDS         | Rotem  | U.S.ARMY             | Mantak                              | Patria   |
|--------------|--|----------------------|-------------------------------------|--|
| BAE SYSTEMS  | IVECO  | NVL GROUP            | AUSTAL                              | A REAL PROPERTY AND A REAL |
| Hanwha       | GENERAL DYNAMICS                               | RHEINMETALL          |                                     | Reg PGZ  |
| THALES       | ◎ <sup>™</sup> ∥ Singapore<br>『』』 Technologies |                      | <b>FFG</b>                          | BUNDESWEHR   |
| thyssenkrupp | <b>人</b> STM                                   | babcock <sup>™</sup> | Huntington<br>Ingalls<br>Industries | ISRAEL<br>SHIPYARDS Ltd  |
|              | FINCANTIERI                                    | DAMEN                | LOCKHEED MARTIN                     |  |

# ... while continuing to build up foundational layers to drive shareholder value

| High-growth<br>markets      | Focused on high growth addressable defense markets globally                               | ~ 13%     | Addressable market<br>CAGR 2022-27 <sup>1</sup>            |
|-----------------------------|---|-----------|--|
| Global leadership           | Innovation and technology-led global leadership positions in high-demand applications     | #1        | Leader <sup>1</sup> for mission-<br>critical transmissions |
| Locked-in<br>business model | Platform-agnostic and sole-source incumbency positions across a diversified customer base | > 180k    | Units installed base worldwide                             |
| High visibility             | Significant total order backlog securing future growth                                    | ~ € 4.7bn | Total order backlog <sup>2</sup> as of Jun-24              |
|                             | 9.000   |           | 01 Jun-24  |
| Well-invested<br>platform   | Ready to deliver multi-decade growth leveraging >€400m Capex investment from 2010-23      | ~ 3%      | Capex share of<br>revenue medium-term                      |

1. Relating to focus Defense activities / 2. Total order backlog comprised of Fixed Order Backlog, Frame Order Backlog, and Soft Order Backlog / 3. Adj. EBIT is defined as operating profit before the PPA depreciation and amortization as well as income/losses from PPA asset disposals and adjusted for certain items which management considers to be exceptional or nonrecurring in nature

# RENK has potential to nearly double its revenue to reach €2bn organically in medium-term with further growth through strategic M&A



### Geopolitical tensions are driving the need for higher defense spending

The past years witnessed a growing threat environment



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Invasion of Ukraine after a period of cautious relations between NATO and Russia

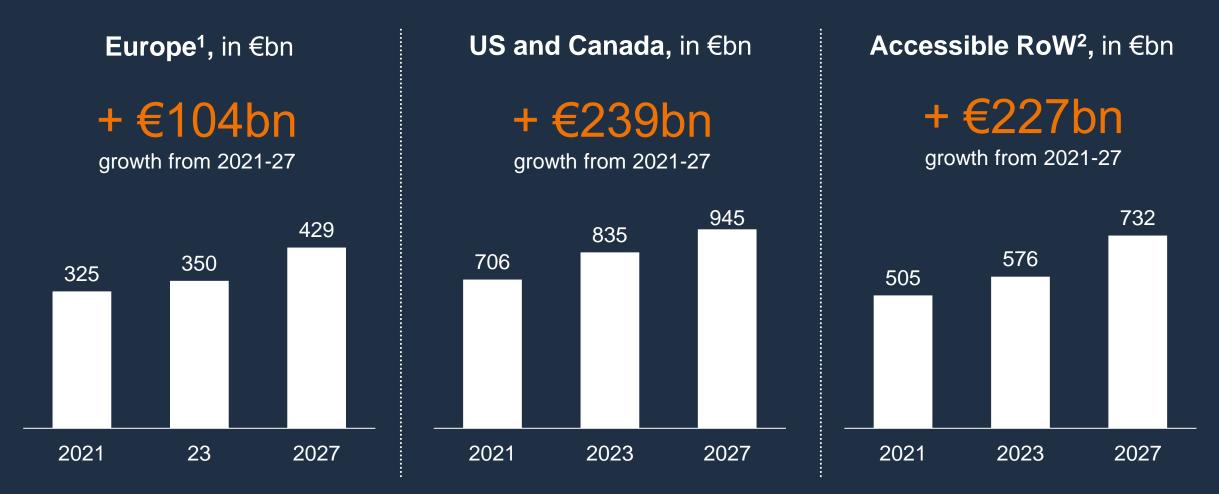
Attacks on Israel and the Houthi Red Sea crisis with first direct escalation between Israel and Iran



Source: Uppsala Conflict Data Program (Davies, Shawn, Garoun Engström, Therese Pettersson & Magnus Öberg (2024). Organized violence 1989-2023, and the prevalence of organized crime groups.)



As a result, defense budgets grow significantly across geographies with a cumulated increase of >€500bn



1. Excluding embargoed nations Russia, Belarus; 2. Excluding Afghanistan, Iran, Libya, Syria, Yemen, China, Myanmar, Venezuela, CAR, DRC, Zimbabwe Source: RS Advisors proprietary database, SIPRI, US DoD publications, IM WEO database (Oct-22), RS Advisors analysis

RENK

## Land defense will continue to regain importance across all key regions ...

#### Land market size, 2021-27 in €bn



### Excluding embargoed nations (Afghanistan, Belarus, China, CAR, DRC, Iran, Libya, Myanmar, Russia, Syria, Venezuela, Yemen, Zimbabwe); Excluding programs awarded to competitors and programs outside RENK's core competencies Source: RS Advisors proprietary database, RS Advisors analysis

#### Key takeaways

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Ukraine invasion driving aging fleet replacement in Europe and backfilling of donated vehicles in North America

RENK's short-term addressable market outpacing overall market growth by ~5 pp annually

RENK today already has a high share of its market

RENK equipment used in 70+ armies globally

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## ... with Naval applications especially in the APAC region experiencing strong growth as well

#### Naval market size, 2021-27 in €bn



Excluding embargoed nations (Afghanistan, Belarus, China, CAR, DRC, Iran, Libya, Myanmar, Russia, Syria, Venezuela, Yemen, Zimbabwe);
 Excluding programs awarded to competitors and programs outside RENK's core competencies
 Source: RS Advisors proprietary database, RS Advisors analysis

#### Key takeaways

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Renewed importance of maritime domain driving both large surface and subsurface combatants

RENK's short-term addressable market outpacing overall market growth by ~4 pp annually

RENK today already captures a large share of its current addressable market

RENK equipment used in 40+ navies globally

## The market growth in NATO Europe is not temporary – it is structural and for the long-term

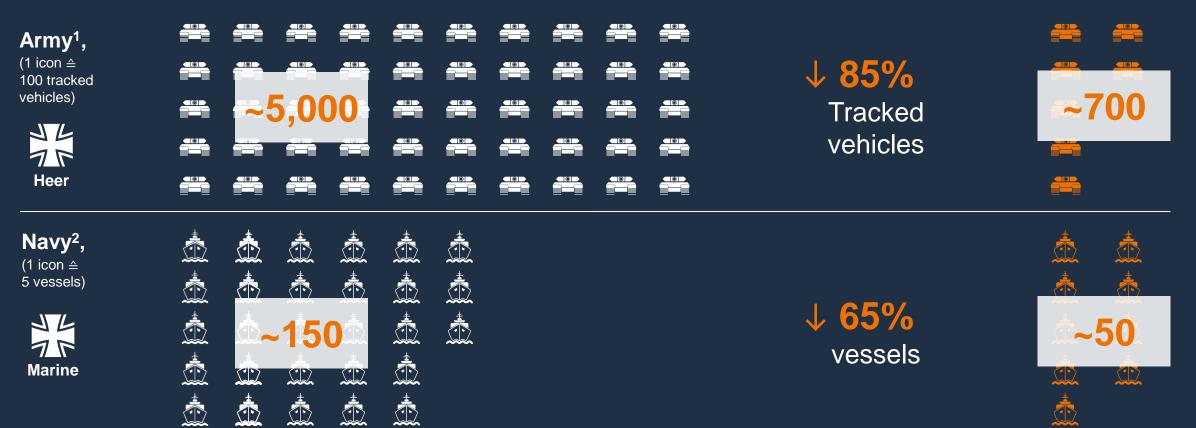


RENK

## Low spend has impacted equipment availability of the German armed forces long-term

Equipment today<sup>3</sup>

#### Equipment 1989/90



1. Relevant types of IFV, MBT, and Howitzers reduced from 4,948 in 1989/90 to 687 in 2016/17; 2. Relevant types of Destroyers, Frigates, Corvettes, Minesweepers, and Submarines reduced from 36 in 1989/90 to 17 in 2016/17; 3. Numbers reflect last request regarding information counts in German Bundestag from 2017 Source: German Bundestag Information Request for selected large equipment counts; German Navy information

## We have a strong foundation in core European and North American markets, which we leverage to drive growth in target markets globally



### RENK is well positioned in the current MBT platform generation and set for the next while working on closing gaps

#### **RENK is serving most large MBT platforms**

Core supplier to most Leopard 2 **K2** Leclerc current models Merkava Ariun Well positioned for next generation Panther K3 MGCS Legacy platforms up for repowering M1 Abrams Challenger 2

Not exhaustive Repowering opportunities in legacy platforms

#### M1 Abrams

- Localized production in US footprint
- Potential for both transmission and suspension upgrades

#### Challenger 2

- 2 Exi
  - Existing suspension integration
  - Ongoing discussions for Challenger 3 powerpack

#### Ariete

3

1

- Cooperation with Italian partner
- 80 active units subject to midlife repowering

Active units

>5,000

Active units

>300

Active units

>115

## Recent increase of equipment usage is driving up maintenance requirements compared to previous 20 years

Significantly increased use in operations and exercises ...





... increasing service need

Increased pace of exercises by NATO and individual countries

More time in active operations with high wear and tear

Ongoing discussions to increase reserve inventories across customers





RENK with sufficient operational capacity to serve increased demand

### We have an unrivalled and further growing installed base as a strong basis for our aftermarket business

#### Installed base in 2022 vs. future



Selected future programs and new platforms

We are looking into M&A options centered on defense with an approach tailored to respective regional peculiarities

|                 | North America  | Europe                               | APAC  |
|-----------------|--|--------------------------------------|---|
| Status-<br>quo  | Largest & mature<br>market with small to<br>large players          | Already consolidated<br>on land side | Established national<br>champions and<br>emerging markets       |
| M&A<br>approach | <section-header><section-header></section-header></section-header> | <section-header></section-header>    | Focus on opportunities for localization and capability building |

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RENK

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We have developed from a small noncore subsidiary of VW Group to a strong, global defense company

## From

RENK

Small part of Volkswagen Group under MAN ownership with no growth ambition

Relatively unknown member of German "Mittelstand" without a clear profile

"Mittelstand" typical management and leadership team

Loosely connected set of legal entities, with inconsistent organizational structure

## Departments being strongly focused on own silos

### То

RENK

**Strong, independent**, public company and part of S-DAX with ambition to grow

**Recognized and leading German defense company** aiming for the M-DAX

Recognized and **industry-experienced management** with (M-)DAX track record

One globally integrated firm, with capital markets ready central backbone

A culture of entrepreneurship and shared accountability

Nevertheless, there is significant untouched potential for the next years to further improve our performance and realize our growth ambitions



Finance

- Enhance value creation focus in our financial steering mode
- Implement structural measures for NWC optimization



Operations

- Bring RENK America to the next level and turn it into a unique US stronghold
- Tackle opportunities in future areas like electrification and digital business model
- Improve RENK's internal IT systems



Production and Supply Chain

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- Further increase output and efficiency at VMS Augsburg to accelerate growth
- Roll out RENK's Production System to all RENK manufacturing sites
- Further strengthen RENK global footprint across markets

### **Christian Schulz**

Chief Financial Officer RENK Group AG

### Anja Mänz-Siebje

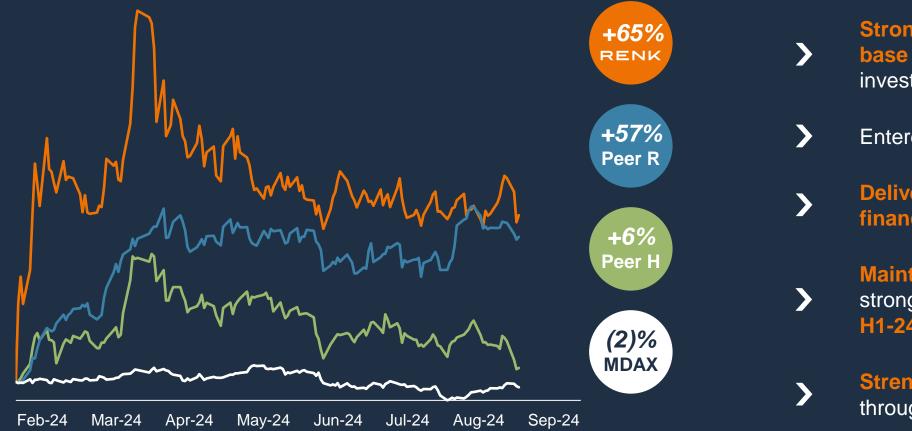
Designated Chief Financial Officer RENK Group AG

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## RENK's stock has outperformed the market and our key peers since the listing

Stock performance, % change since RENK listing



#### Key facts

Strong and diverse shareholder base with KNDS as strategic investor

Entered SDAX shortly after listing

Delivered on promised 2023 financial guidance

Maintained momentum with strong financial performance in H1-24

Strengthened balance sheet through strong cash generation

### We have a strong and diversified investor base with increasing free float and balanced geographical coverage

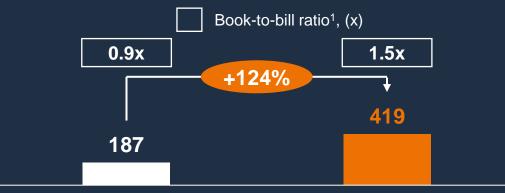
Shareholder structure at listing

Shareholder structure today

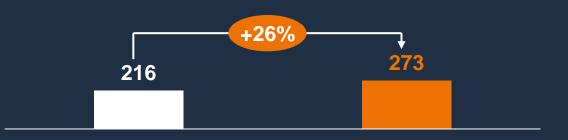


### Record breaking Q2-24 results with substantial year-on-year growth ...

Order intake, in €m



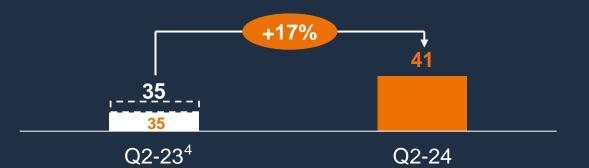
**Revenue**, in €m



#### Total order backlog<sup>2</sup>, in €bn



Adj. EBIT<sup>3</sup>, in €m



1. Book-to-bill ratio defined as order intake/revenue; 2. Total order backlog comprised of fixed order backlog, frame order backlog, and soft order backlog; Fixed order backlog; represents with respect to binding customer contracts and purchase orders concluded and/or received the portion of the associated transaction price for which the amount of revenue has not yet been recognized in accordance with IFRS; Frame order backlog includes signed frame contracts or prolongation character of linked frame contracts with fixed annual volumes or volume estimates based on customer information or historical call-offs over the entire contract here provide the period of the frame contract term; Soft order backlog includes estimated volumes of sole source projects and successor business until 2028 based on public information and customer information, booked for the period Jul-24 to Jun-28; 3. Adj. EBIT is defined as operating profit before the PPA depreciation and amortization as well as income/losses from PPA asset disposals and adjusted for certain items which management considers to be exceptional or nonrecurring in nature; 4. Adj. EBIT in Q2-2023 without €9m one-time earnings impact of the release of a warranty provision

... provided support to narrow 2024 guidance towards upper end



1. Adj. EBIT is defined as operating profit before the PPA depreciation and amortization as well as income/losses from PPA asset disposals and adjusted for certain items which management considers to be exceptional or nonrecurring in nature. Adj. EBIT margin is defined as adj. EBIT divided by revenue

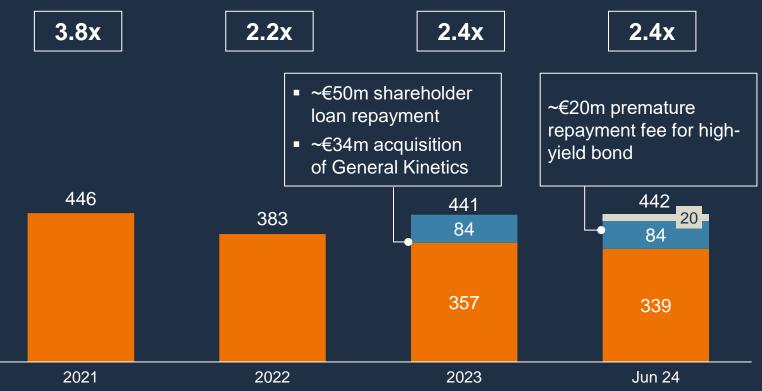
## Our cash generation strengthened our balance sheet and allowed us to maintain our leverage despite significant onetime payouts

Net debt1 development, in €m

Net leverage<sup>2</sup>

Extraordinary payment

Ratings



S&P Global

**BB positive outlook** upgraded twice from B to B+ (November 14, 2023) and from B+ to BB (July 25, 2024)



1. Net debt is defined as the sum of bank debt (previous year: senior secured notes) and lease liabilities less cash and cash equivalents based on the carrying amounts in the IFRS financial statements; 2. Net Debt/LTM adj. EBITDA

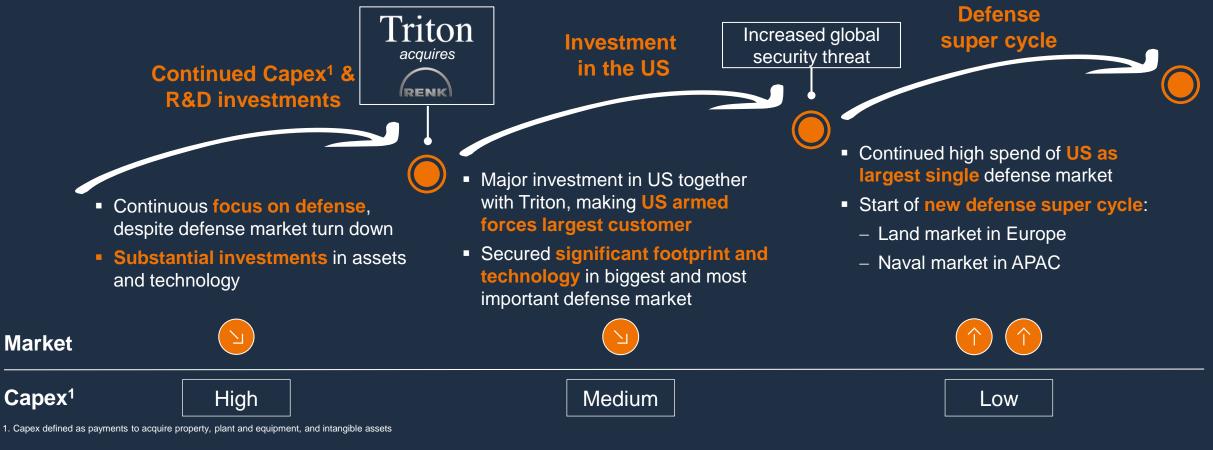
Source: S&P Global, company website

Through past investments in a downturn market, we are now in a prime position to capture the current defense super cycle ...



#### under VW ownership

**RENK** as stand-alone entity



... as our portfolio, capabilities, assets, and people are ready for growth with about €380m of M&A and more than €400m of Capex investments



RENK Group), 2020 to H1-24 includes core headcount, temporary headcount, interns, etc. (consolidated RENK Group including unconsolidated entities)

## We will enhance our focus on value creation through refinement of our financial steering model



Shift to absolute adj. EBIT

Focus on value-accretive growth across all segments



ROCE as new performance indicator

Focus on capital efficiency to make best use of resources

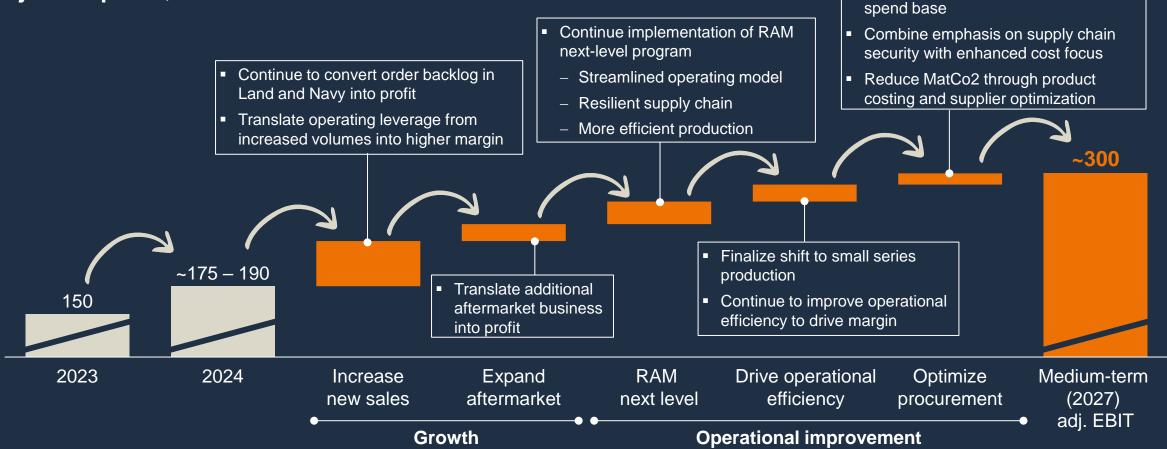


New Cash Conversion Rate definition

Focus on cash generation

# We will drive further EBIT and margin expansion through continuous growth, operating leverage, and operational improvements

Adj. EBIT path1, in €m



1. Adj. EBIT is defined as operating profit before the PPA depreciation and amortization as well as income/losses from PPA asset disposals and adjusted for certain items which management considers to be exceptional or nonrecurring in nature; 2. Material costs

Capture scale benefits from doubling of

## Our constantly increasing order backlog will serve as the basis for our growth in new sales and expanding aftermarket

Order backlog, in €bn



Selected key orders

1. Fixed order backlog represents with respect to binding customer contracts and purchase orders concluded and/or received the portion of the associated transaction price for which the amount of revenue has not yet been recognized in accordance with IFRS, 2. Frame order backlog includes signed frame contracts with fixed annual volumes or volume estimates based on customer information or historical call offs over the entire contract duration, booked for the period of the frame contract term, 3. Soft order backlog includes estimated volumes of sole source projects and successor business until 2028 based on public information, booked for the period Jul-24 to Jun-28

We have integrated a ROCE-based value creation focus into our financial steering model to optimize the use of available capital

ROCE<sup>1</sup>, in %

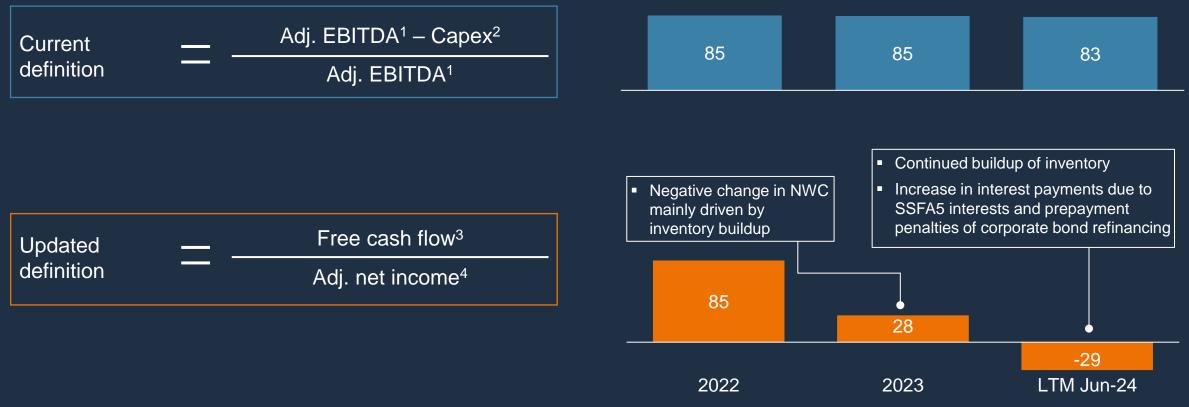


1. ROCE is defined as adj. EBIT in relation to the average capital employed for the fiscal year; 2. Average in 2021 – LTM 2024 from Leonardo, Rheinmetall, SAAB; 3. Adj. EBIT is defined as operating profit before the PPA depreciation and amortization as well as income/losses from PPA asset disposals and adjusted for certain items which management considers to be exceptional or nonrecurring in nature; 4. Capital employed comprises average property, plant and equipment, intangible assets and net working capital of the fiscal year

We will also update our cash conversion definition to more accurately reflect our ability to generate cash in relation to our capital structure

**Cash conversion definition** 

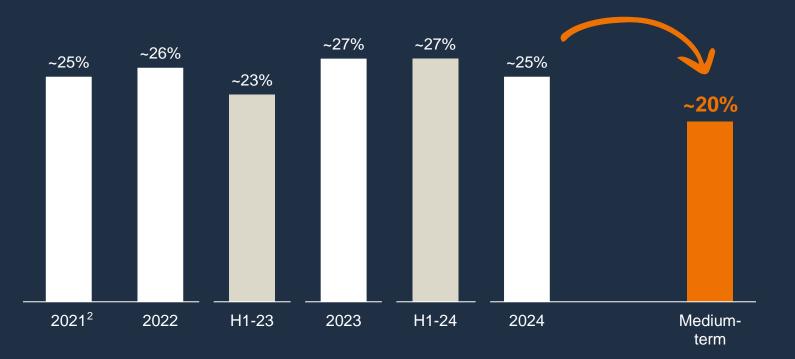
Cash conversion, in %



1. Adj. EBITDA is defined as operating profit before depreciation, amortization, and impairment losses on intangible assets and property, plant and equipment, and adjusted for certain items which management considers to be exceptional or nonrecurring in nature; 2. Capex defined as payments to acquire property, plant and equipment, and intangible assets, 3. Free cash flow is calculated by adding depreciation and amortization, interest paid, income taxes and capital expenditures to EBIT. Free cash flow is reduced by any increase in net working capital and increased by any decrease in net working capital. Other reconciliation items includes changes in provision, other receivables and liabilities, insofar as these are not attributable to the net working capital, as well as other cash and non-cash effects with minor individual relevance 4. Adj. net income defined as profit after tax before the PPA depreciation and amortization as well as income/losses from PPA asset disposals and loan interest, and adjusted for certain items which management considers to be exceptional or nonrecurring in nature; 5. Super Senior Facilities Agreement

To improve cash conversion, we will enhance capital efficiency through reduced inventory and target-oriented cash management

NWC<sup>1</sup> development, as % of revenue



1. Includes change in inventories, trade receivables, and contract assets, and changes in trade payables and contract liabilities; 2. Calculation of 2021 NWC as share of revenue based on 2021 revenue of €698m plus revenue of €110m that would have been taken into account if the acquisition of RENK America and Magnet Motor had closed on January 1, 2021

**Key levers** 



NWC stable despite significant topline growth



Initiation of structured program for legal entity-based NWC management



Focus on target-oriented cash management with bottom-up forecast and monthly tracking



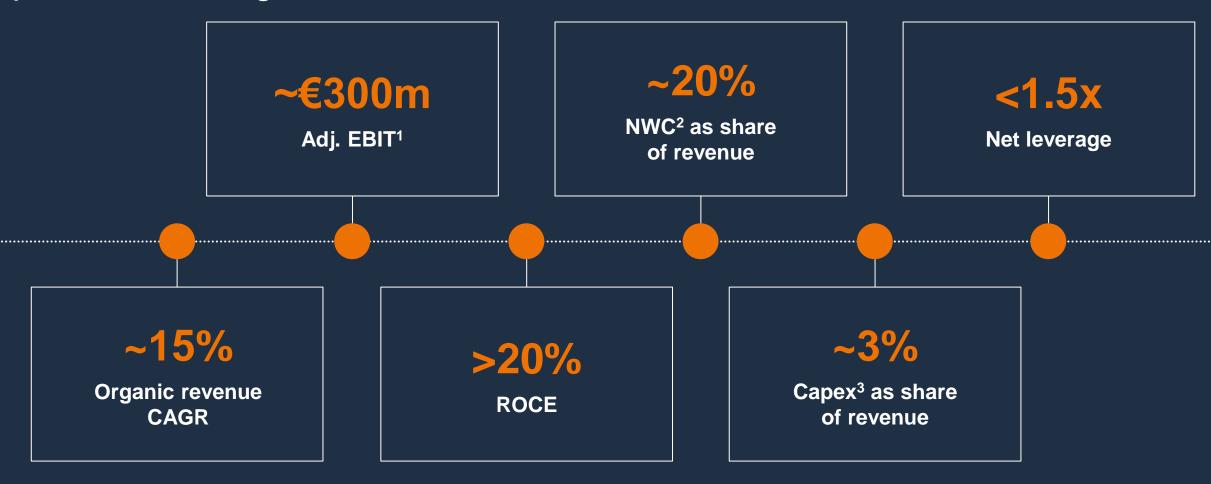
Start of initiative to optimize procurement and purchasing spend

Based on our allocation framework, we will make the best use of our available capital along 4 future areas



#### 1. Based on adj. net income; 2. Net leverage defined as net debt/adj. EBITDA

## Medium-term highlight figures to keep in mind and to track our performance against



1. Adj. EBIT is defined as operating profit before the PPA depreciation and amortization as well as income/losses from PPA asset disposals and adjusted for certain items which management considers to be exceptional or nonrecurring in nature. Adj. EBIT margin is defined as adj. EBIT divided by revenue; 2. Includes inventories, receivables, contract assets, trade payables, and contract liabilities; 3. Capex defined as payments to acquire property, plant and equipment, and intangible assets

### Dr. Alexander Sagel Chief Operating Officer RENK Group AG

## Just to recap: 3 main megatrends driving future business development of RENK



RENK 2.0 setting the pace for the next years by doing our homework to capture the market potential





Leverage market potential of defense super cycle (land/navy)

Strive towards world-class operational excellence through RENK Production System including IT ~20%

Adj. EBIT margin ambition

#### **Convert top-line growth**

Drive high-margin segments (e.g., aftersales)

Disciplined cost management with profitability criteria



Restore RAM profitability

**#1** In Market and Technology

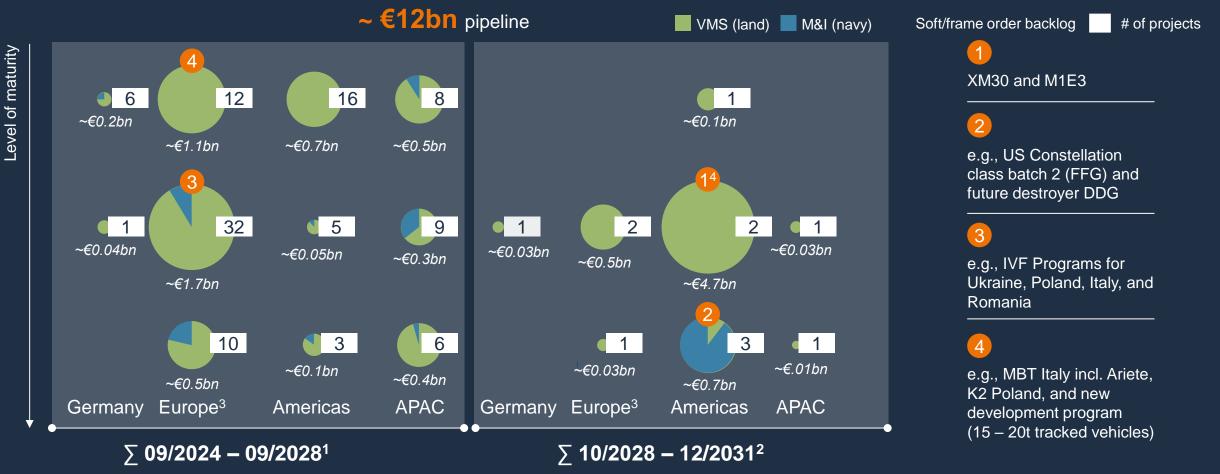


Focus R&D on 4 key technology fields

Drive M&A for growth, product portfolio, and technology

# RENK is positioned to capture multiple large, strategic programs in the near to long-term

Overview of key pipeline programs (new build) w/o fixed OB, only defense (as of August 26, 2024)



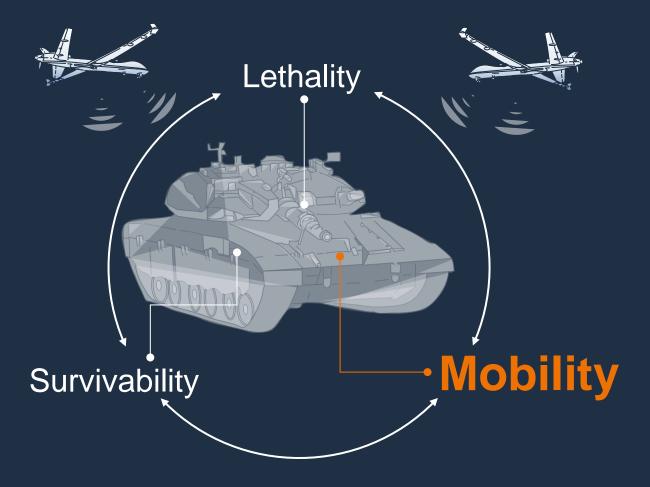
## We implemented a structured program to increase operational performance and efficiency level of RAM in 3 main areas



RENK

# Our technology is centered around improving the mobility of military forces, which will have an even higher importance in the future

Reliable and proven drivetrain technology critical for combat power





Increasing **availability of information** makes battlefield of the future transparent ("Gläsernes Gefechtsfeld")



If the enemy knows where you are at all times, you need to be constantly on the move



Importance of **mobility to combat power will grow** significantly in the future Our transmissions are highly complex, high-tech systems and ruggedized for the most demanding battlefield use

VS.

Precision and quality is key ...

... which is where RENK excels



~70%

**Use of space – Luxury watches** 



### >95%

Use of space – Achieved through decades of engineering excellence

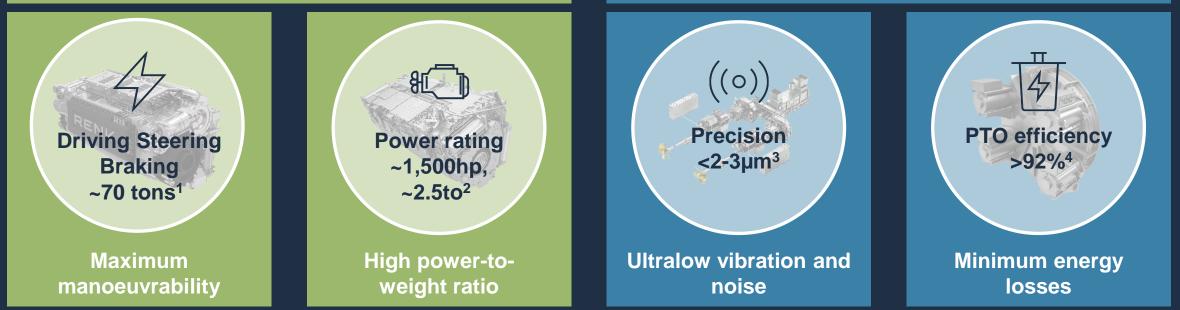
#### Our cutting-edge, hard-to-replicate, and complex technologies are unmatched in the market



#### Our brand stands for reliability and performance

#### **Vehicle Mobility Solutions**

Marine & Industry



1. Hybrid mobility system with capability to drive, steer, and brake up to 70 tons vehicle class weight; 2. Refers to metric tons; 3. Permissible limit of variation in product manufacturing; 4. Power Take Out efficiency referring to yield of electrical energy compared to input mechanical energy when used as generator with industry typical efficiency closer to ~70%

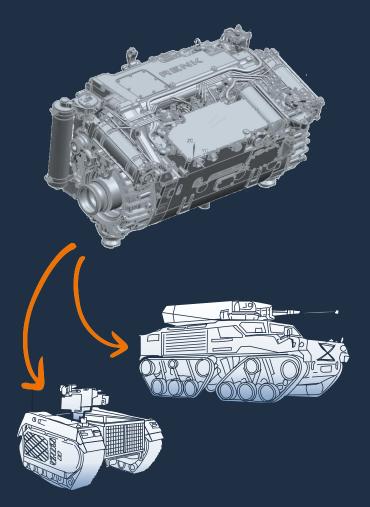
### We will expand our technology core and focus on three future areas: electrification/hybridization, digitalization as well as system engineering

Enabling technology (core1) New technologies expanding the core



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Expansion of our transmission portfolio for vehicles in lighter weight classes, especially tracked vehicles <20t and UGVs



#### Key facts

| Market<br>attractiveness | >€350m                 | •                                 | ongoing te | potential after 2030 due to<br>echnological development<br>nd UGV adoption |
|--------------------------|------------------------|-----------------------------------|------------|--|
| Market potential         | UGVs (esp.<br>tracked) | <b>Wingme</b><br>MBTs, IF<br>APCs |            | Platform potential<br>■ LuWa   |

RENK's marketleading value proposition



Advanced X-by-Wire/remote-controlled steering and autonomous navigation capabilities



**Downsized and lightweight** transmissions



Electrification/hybridization in-house competence with Magnet-Motor

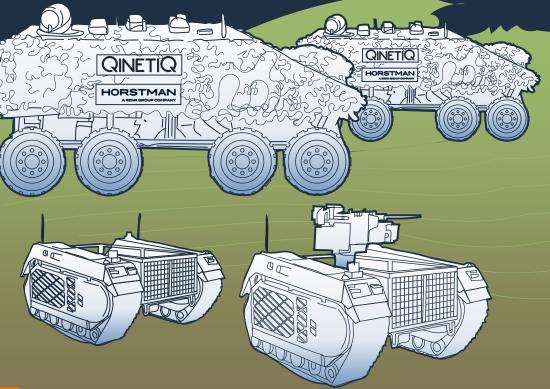


Potential use-case for digitalization

We are complementing our internal R&D efforts, as well as our customer-funded R&D projects, with technological partnerships

### QINETIQ & RENK

MoU signed: QinetiQ is our Advanced Mobility Technology Partner

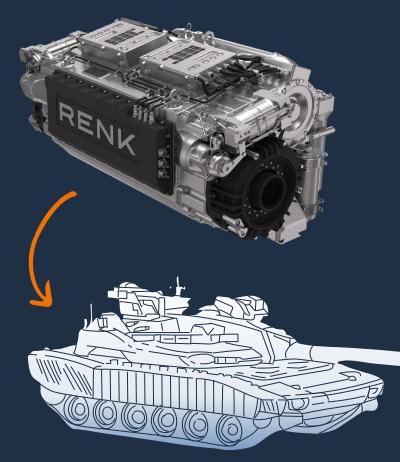


Advanced steering and navigation systems

Scalable and electrified drivetrain solutions



We have developed a new transmission with hybrid capabilities for MBTs and other heavy tracked vehicle platforms of the future



#### Key facts

| Market<br>attractiveness                       |                                     | > €1.0bn   |  |  |  |
|--|-------------------------------------|--|--|--|--|
| Market potential                               | Repowering Leopard 2 Ariete Leclerc | <ul> <li>Merkava IV</li> <li>Challenger 3</li> <li>K1/K2</li> <li>M1E3 Abrams</li> </ul>                                   | New platforms <ul> <li>Panther (KF51)</li> <li>K3</li> <li>MGCS</li> </ul> |  |  |
| RENK's market-<br>leading value<br>proposition | steerir                             | Mild hybrid drive function with precise electrical steering and electric power for advanced manoeuvrability (~300kW power) |  |  |  |
|  |                                     | oy-wire with digital interface<br>ced data-based mobility f  |  |  |  |

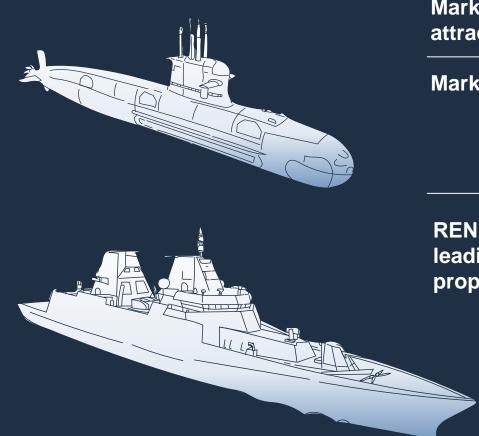


Hybrid transmission enabled without need to change vehicle to high-voltage grid (enabling repowering)

Future MGCS platform concept

#### RENK

We are developing an advanced electric propulsion technology securing order potential for future surface and underwater combatants



#### Key facts

|   | Market<br>attractiveness |   | > €350m   |  |  |
|---|--------------------------|---|---|--|--|
|   | Market potential         | Vessel types supported <ul> <li>Submarines</li> <li>Mine warfare systems</li> <li>Frigates</li> </ul>   |   |  |  |
| RENK's market<br>leading value<br>proposition |                          | <ul> <li></li> <li><th>Designed for ultralow acoustic signatures<br/>Advanced materials to achieve low magnetic<br/>signatures</th></li></ul> | Designed for ultralow acoustic signatures<br>Advanced materials to achieve low magnetic<br>signatures |  |  |
|   |                          |   | Space-optimized compact design for tight compartments   |  |  |
|   |                          |   | Sophisticated electronic control with easy  |  |  |

integration into future electric naval platforms

Digitalization is an important enabler to secure our current and future business portfolio

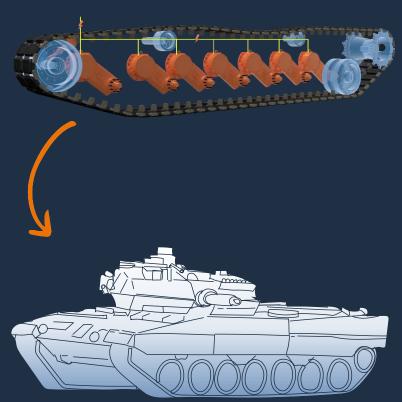


III-C

**Digitalization** 

RENK

Our in-arm dampers use advanced sensors and networks to optimize usable lifetime and performance



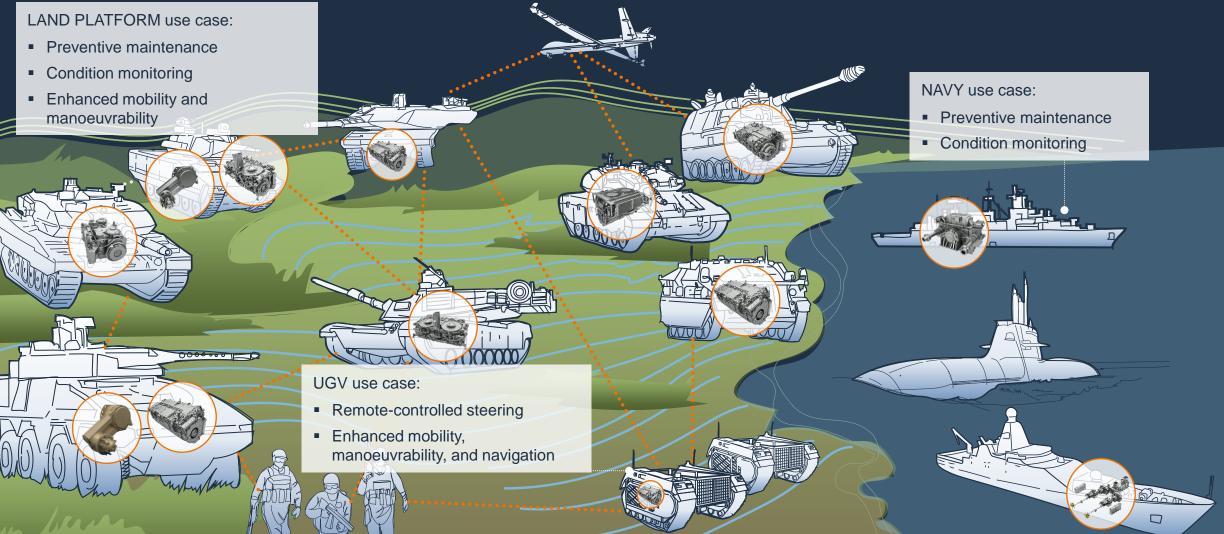
#### Key facts

| Market<br>attractiveness                       | >€500m  |  |  |
|--|---|--|--|
| Market potential                               | Tracked vehicle types supported• MBTs• APCs• IFVs• SPHs   |  |  |
| RENK's market-<br>leading value<br>proposition | Advanced sensor concept detects early signs of fatigue and wear and enable preventive maintenance   |  |  |
|  | Optimized drive performance through adjustable<br>track tension and ride height control improving<br>cross-terrain capabilities and vehicle speed |  |  |



**Semi-active damper control** reduces fatigue on vehicle and operators enabling extended operations

## Looking to the future – Our digitalization products will have many use cases in the connected battlefield



## RENK – a technology-driven company for supporting our customer demands and driving future business development

Technology leader in the super cycle

Unmatched product performance and reliability driving our ability to capture the defense super cycle



We continuously develop new capabilities

Staying at the forefront of technology transitioning in relevant industry domains



We drive impact with our partners and M&A

Developing cutting edge technology with our partners and targeted acquisitions of specialized players



RENK

### Dr. Emmerich Schiller MD Production and Supply Chain RENK GmbH

## We have a global production footprint and are present in all major regions and countries



Muskegon



Sterling Heights



Bath



Saint-Ouen-l'Aumône



Augsburg



Winterthur



Bengaluru



Hanover



Brampton

Rheine





€5m fund to secure business continuity through enhanced site security measures

We have a global supply chain which we are continuously improving to secure critical material and safeguard our production

#### **Measures**



Redundancies for all critical suppliers to avoid dependencies

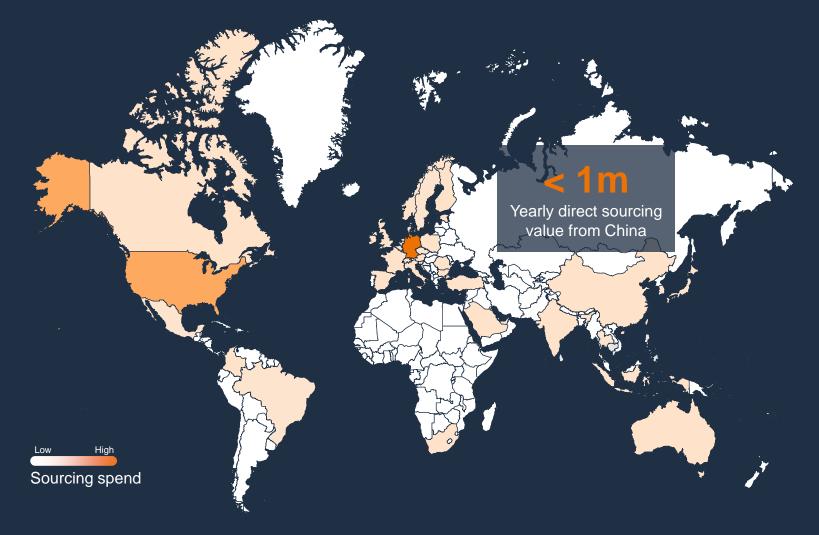


**Flexibility** to shift production either in-house or to external suppliers



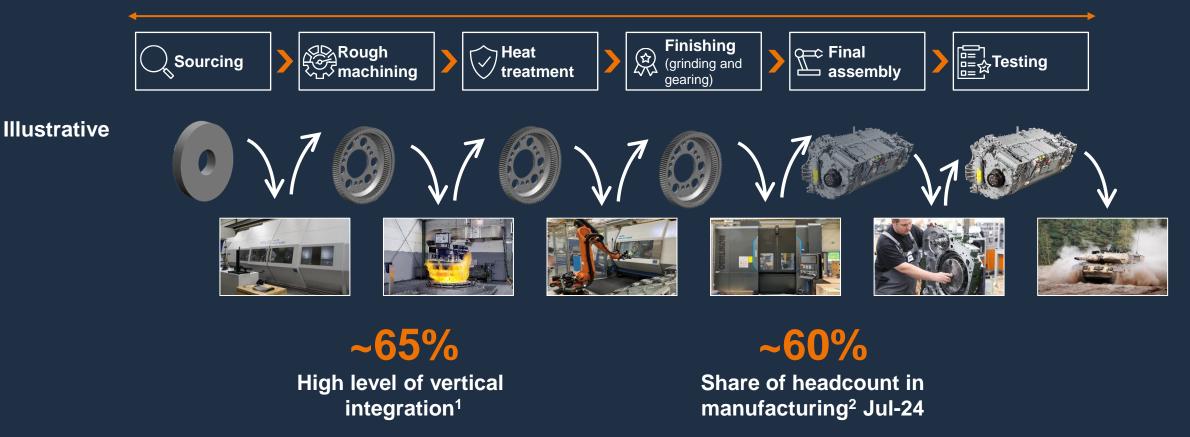
**Regional balanced** and hedged supplier base

Capability to insource production key parts



Manufacturing excellence is in RENK's DNA with deep coverage and significant value addition along our independent value chain

#### Covered by **RENK**



1. Calculated by dividing the sum of (i) variable manufacturing costs, (ii) direct labor costs, (iii) fixed indirect material costs, (iv) fixed manufacturing costs, and (v) DB2 by total order-related costs and DB2. Total order-related costs comprise costs of materials, order-related outsourced products/services, variable manufacturing costs, indirect labor costs, fixed indirect material costs, and fixed manufacturing costs; 2. Production, logistics

# We have done our homework: After solving last year's challenges in Augsburg, we are ready for future growth

#### From ....

Shortages of critical components and materials disrupting production

#### То ...

Increased supply security for key materials by broadening supplier base and targeted inventory ∼+50%
of production start

without missing items

Inefficiencies in sales- & production planning during steep ramp-up



Refocus towards **consistent alignment** between customer orders and production planning

**~+15 pp** On time delivery (OTD)

Limited efficiency due to **low-volume manufacturing** production system  $\overline{\phantom{a}}$ 

Increased efficiency and benefits by shifting to small series production principles

--20% Hours per transmission (HPT)<sup>1</sup>

Testing bottlenecks for transmissions

1. Final assembly, metric for internal efficiency depended on output structure within the year Note: Numbers are based on  $\varnothing2023$  compared to June 2024

Increased testing capacities through addition of new test bench in Augsburg (in Jan-24) and improved first pass yield

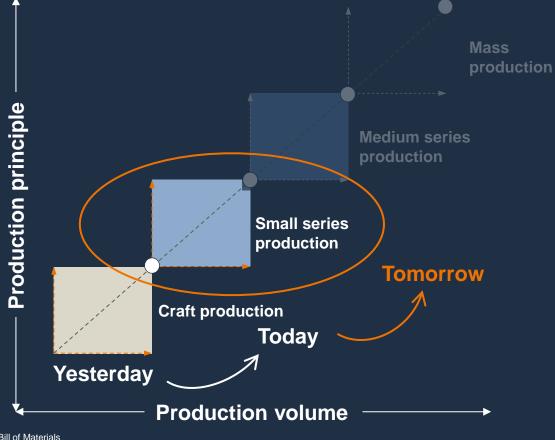
New test bench

### We are bringing RENK operations to the next level by focusing on 2 dimensions



### We have a clear plan to further increase production volumes

#### From boutique to small series production



#### **Fields of action**



**Production philosophy and steering** with flexible assembly cells and frozen sequences (pearl chain)



**Focus on basics** with streamlined planning, clear responsibilities, and standardization



Implementation of a Shopfloor Management System



Consequent implementation of line back principles



**Continuous improvement** through line-walks, quality standards, and tracking

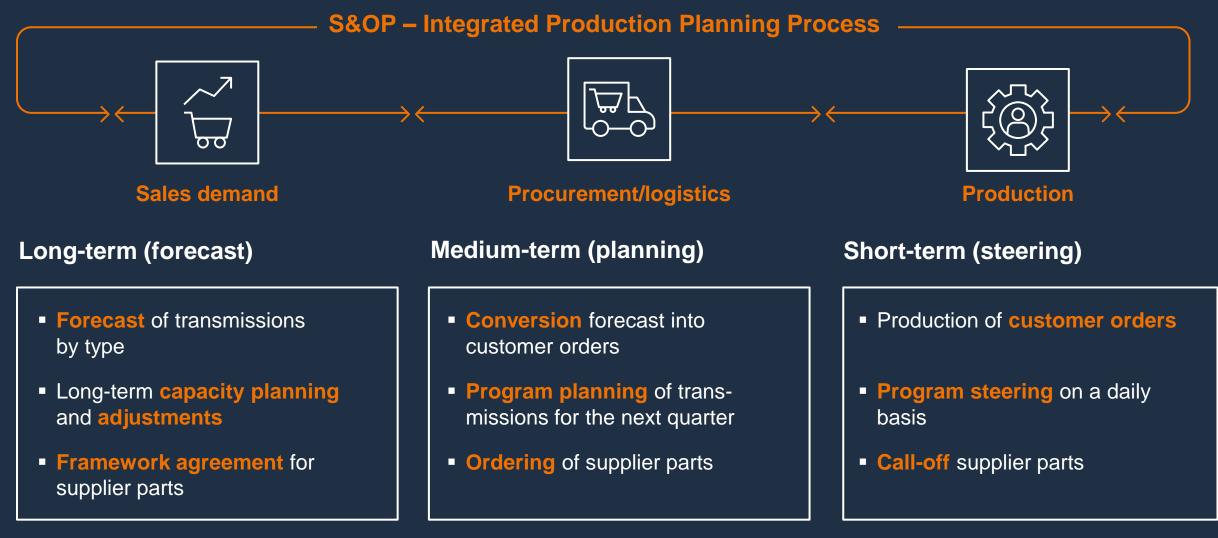


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**Strong IT Tools** with SAP, assembly BoM<sup>1</sup>, workflow processes, and real-time production control



#### We have improved alignment between sales- and production planning



# Selected examples of identified efficiency measures and the effect on the "hours per transmission"

Material kitting in line with assembly sequence



Before After ~15%

Standardized assembly cell for sub components

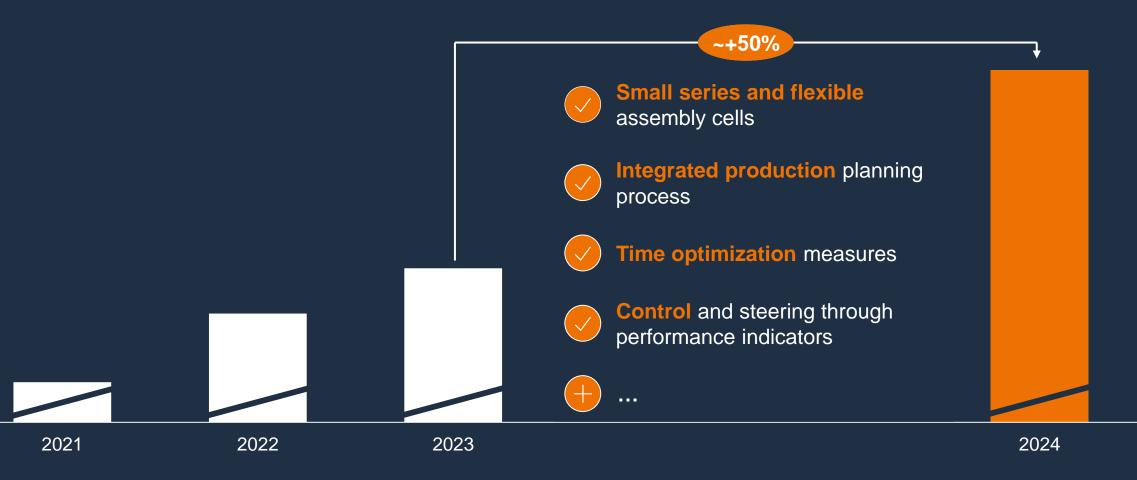




Time reduction per transmission

## We have increased our output by about 50% with no capex and additional headcount

# of <u>new</u> transmissions built at VMS Augsburg p.a.



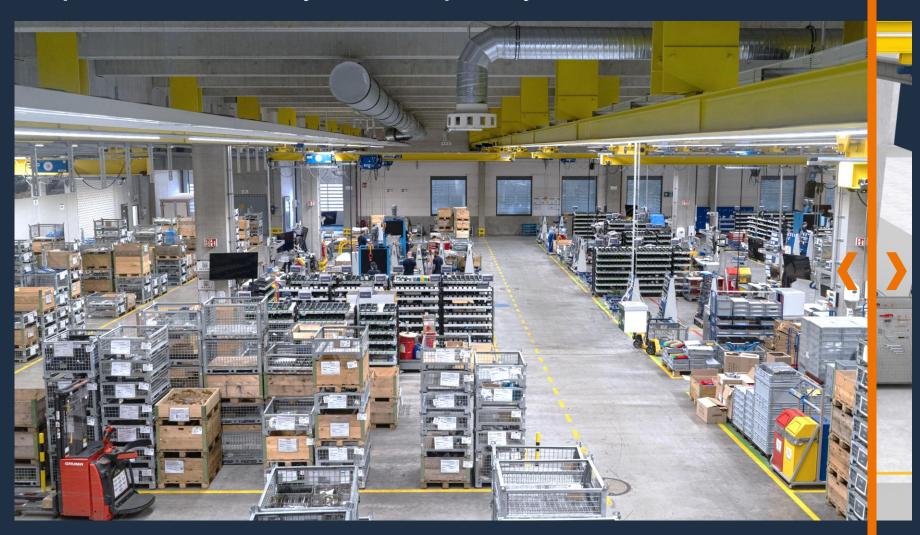
### Five performance indicators underlining our improvements at our new vehicle transmission production

Performance indicators, Ø 2023 vs. target 2024 (new transmissions Augsburg)



1. Final assembly, metric for internal efficiency depended on output structure within the year; 2. Average 2023 compared to expected average of Nov-24 and Dec-24

## Next step: Implementing a small series assembly/logistic concept to further improve efficiency and capacity



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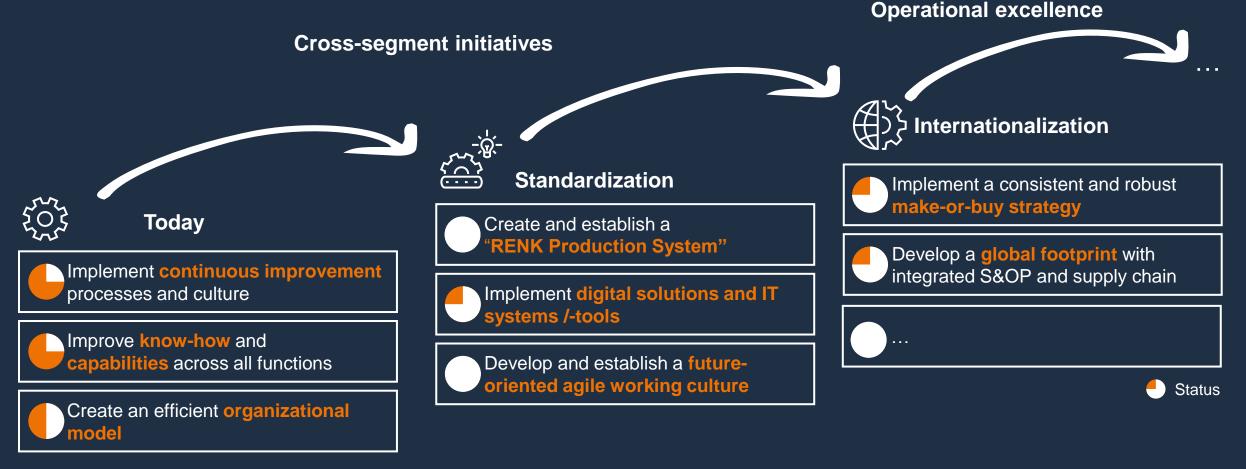


## Next step: Implementing a small series assembly/logistic concept to further improve efficiency and capacity

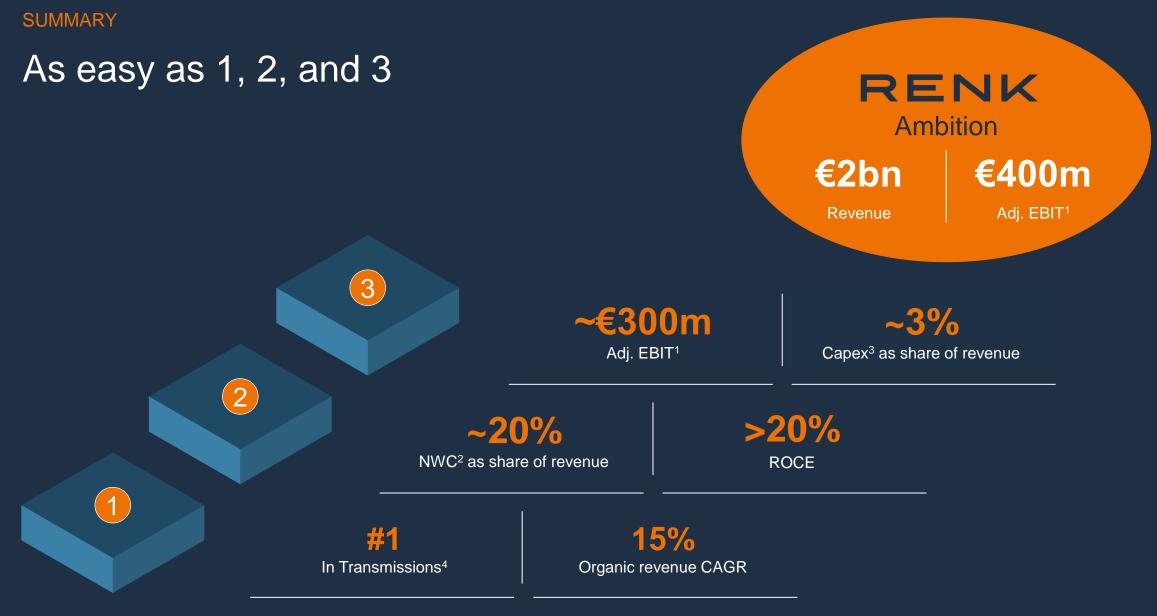


#### Leveraging our learnings from VMS in Augsburg, we are in the process of rolling out operational excellence to all RENK sites

**RENK Production System to set standardization and realize synergies between sites** 



### **Closing Remarks**



1. Adj. EBIT is defined as operating profit before the PPA depreciation and amortization as well as income/losses from PPA asset disposals and adjusted for certain items which management considers to be exceptional or nonrecurring in nature. Adj. EBIT margin is defined as adj. EBIT divided by revenue; 2. Includes inventories, receivables, contract assets, trade payables, and contract liabilities; 3. Capex defined as payments to acquire property, plant and equipment, and intangible assets; 4. #1 position for transmissions in tracked military vehicles in our accessible markets