

TIMELINE

9:00 Supercycle 2.0 10:10 **Coffee break** 10:30 **Financials of the supercycle** 11:00 Q&A 12:00 Lunch 13:00 **Plant tour**

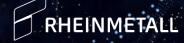
WIFI Capital-Market-Day-Vienna PW CMD2022!

Armin

Helmut

Merch

Papperger



Supercycle 2.0 – Rheinmetall's responsibility in a changing world

Armin Papperger, CEO November 2022



Taking Rheinmetall to the next level

AGENDA

02

03 INORGANIC GROWTH

STRATEGY RECAP

GROWTH FACTORS

MID-TERM GUIDANCE

5 INNOVATIONS



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GROWTH FACTORS

Strategy Recap Our strategic vision is becoming a reality



DIVISIONAL STRUCTURE WELL IMPLEMENTED

- Reporting structures simplified
- Cost savings realized



GROWTH



ACCELERATED GROWTH IN ALL END MARKETS

- Special defence cycle
- Volume recovery of mobility markets
- Successful market entry



PORTFOLIO

ACTIVE PORTFOLIO MANAGEMENT

- First milestone for Pistons achieved
- Focused M&A
- Monitoring ongoing

TECHNOLOGY FOCUS

TECHNOLOGY

- Automation
- Sensors & Connectivity
- New mobility

ESG INTEGRAL PART OF THE CORPORATE STRATEGY

SUSTAINABILITY

- Commitment
- Action
- Deliverance





Strategy Recap: Sustainability

Solid ratings confirm our chosen path and we are determined to improve further

Targets

- Integration of sustainability in our strategy and actions
- Carbon neutrality aspired until 2035
- No development, production and distribution of controversial weapons

Measures

- Sustainability organizationally established*
- Continuous improvement of sustainability data
- Remuneration policy includes sustainability criteria**

Ratings MSCIESG AA only 24% of 33 companies score AA or better

ISS ESG C only 15% of 65 companies in A&D score C or better **S&P Global 34** Industrial conglomerate Industry average 29 Sustainalytics 28.3 Peer group A&D Ø 37.9; Industry rank 10/94 Refinitiv80/100Industry rank 6/114

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* On supervisory board and corporate level
 ** On board and management levels



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The world as we know it is changing dramatically – with implications for virtually every aspect of our business

World economy is being restructured

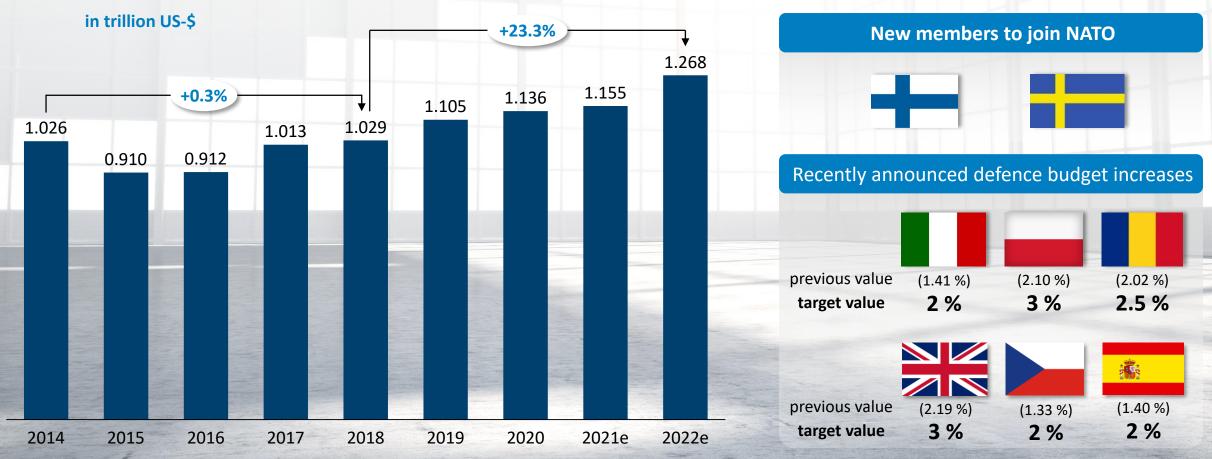
A new world (dis)order is emerging

The battle for resources intensifies.

New forms of energy production.

Growth factors: NATO Alliance NATO spending has accelerated

NATO total expenditures







Growth factors: Home Markets Home markets offer further potentials for growth

OUR HOME MARKETS

Germany

- Largest customer
- Commitment to 2% goal and €100bn special fund
- 100% Equipment level and modernization

Potentials

- Ammunition
- Trucks
- 8x8 and 6x6
- Puma 2nd Lot
- Digitization

Australia

- Established "home market"
- Land 400 program as demand driver

Potentials

- Land 400 Phase 3
- Land 125 soldier systems
- €400m order potential for Navy projects and ammunition

JV with BAE serves "home market"

MIV and Challenger LEP program

Potentials

UK

- Boxer 3rd lot
- Ammunition framework contract
- Services for vehicle fleet

Hungary

- Established "home market" with modern production facility
 Modernization to NATO
- Modernization to NATO standards

Potentials

- Loitering Ammunition
- Digitalisation and soldier systems
- RDX and Ammo plant



Growth factors: **Germany Financing of growth is secured to achieve 2%**



Olaf Scholz German Federal Chancellor

"Our [German] army must become the foundation of conventional defence in Europe, the best-equipped force in Europe!"

"[...] we will be spending a lot more money on defence."



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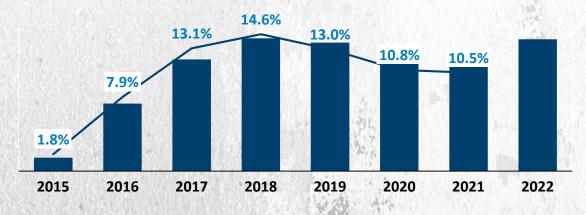


Growth factors: **Developing markets** Australia intends to invest around €175bn for the next decade

Total Australian Defence Investment*



Rheinmetall Defence Australia sales (% of total RHM sales)



- Australia represents ~10% of our defence sales
- MilVehCoE serves as industrial platform for our truck and Boxer Land projects
- Industrial profile strengthened with JVs and well established local supply chain



Growth factors: **Developing markets Continuing the success story in Australia**





121 Phase 3b

400 Phase II

121 Phase 5b

€1.2bn ~2.500 HX81* 2016-2020** €2.1bn225 Boxer CRV2020-2026**

€430m 1.000 HX 81* 2019-2024** ~€4bn 450 Lynx 2024-2031

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SALES UNDER CONTRACT IN GREEN **

HX 81 TRUCKS IN DIFFERENT VARIANTS

* PLANNED DELIVERY PERIOD

13%



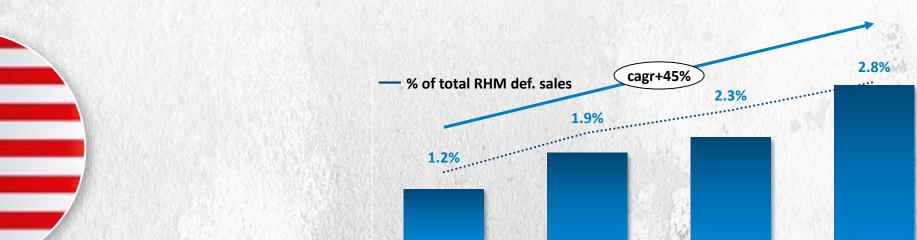
2022e

2021

Growth factors: Creating additional markets

Become a significant business activity in the world's largest defense market

NATO Military Spending Split 2021*



2019

Rheinmetall Defence US sales

2020

- Increasing our footprint in the single biggest defense market
- Americanization all American Business with American Rheinmetall Vehicles (ARV)** and partners
- Position Rheinmetall with the US Army
- Participation in lighthouse projects OMFV and CTT

87%



Growth factors: Creating additional markets \$50bn tender value pursued with a new market approach

Next Generation Vehicle Platforms

Lynx – Optionally Manned Fighting Vehicle



- Americanization of Lynx next-gen platform
- Strong all American team
- Next contract decision in 2023
- SOP earliest 2027/28



Indirect Fire



Next Gen Munitions

HX3-Common Tactical Truck



- Americanized HX3
- GM Defense signature partner to ARV
- Next contract decision in 2023
- SOP expected earliest in 2025

Next Generation Mission Systems

Next Generation Munitions



Mission Systems



Digitized Battlefield



Air Defense



Growth factors: **Developing Home markets Modernization of Southern Europe**

Italy

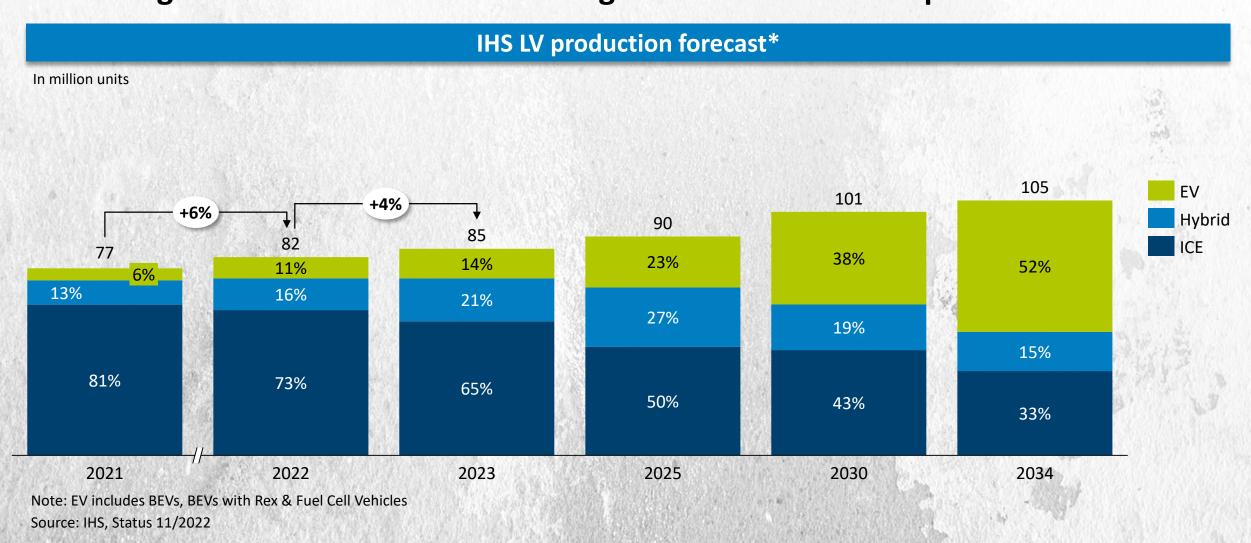
- 10 year budget with up to €8bn for the renovation of the armored vehicle fleet MBT: Replacement of the Ariete IFV: Replacement of the Dardo Other vehicles
- €2.3bn will be already available in 2023

Greece

- IFV Marder already participated in Greece Independence Parade total of 40 vehicles to replace current BMP fleet
- First Lynx test successfully passed in Q3
- Leopard upgrades currently in definition process
- Total volume of up to €3.5bn



Growth factors: Electricifcation Declining ICE volumes and accelerated growth for alternative powertrains





Growth factors: Electrification Civil business portfolio well prepared to address market potentials

Electrification

- Drive market penetration
- Well equipped Electrification Portfolio
- 1,100 Mio EUR booked Business in 2020/21
- H2 technology

- Last man standing, ICE will stick around
- Higher value per engine
- EURO 7 triggers innovation with stricter emission requirements

Industrial Technology

- Digital solutions for mobility and industry applications
- Technology leader in DC-link capacitors
- Outstanding USPs regarding size, range and lifetime

- Number of ICE will grow in the future
- Market leader for EGR systems
- Ready for EURO 7 and CO2 reduction
- H2 technology

Truck

Core ICE

Growth factors: **Diversification Accessing new markets with market leaders**

- JV with technology leader in DC link capacitors
- Market-ready products in the mobility, industry and defense sectors

- JV with leading provider of innovative biometric products in Germany
- Solutions for mobility and industrial applications

- Cooperation with leading supplier of heating systems for residential construction
- Business opportunities as new systems need to meet lower CO2 standards



DERMALOG

POLYCHARGE

Leading

German

Producer



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Market dynamics: Lessons learned from war in Ukraine Acquisition of EXPAL positions Rheinmetall perfectly for high growth scenario

NATO requires a minimum of 30 days of ammo inventory

- Almost no NATO partner currently in compliance
- Current industry capacities require 10 years to replenish for example German stocks

Ukraine war puts restocking at risk

- NATO support for Ukraine is further depleting inventories
- Ukraine consumes 6-10k rounds per day, Russia even 20k

Industry capacities overwhelmed

- Demand expected to surge
- Capacities not prepared for high intensity conflict
- Capacity upscale slow and expensive
- Smartest move is to load available idle capacities



Target overview: About EXPAL Systems S.A.

EXPAL is a high-caliber investment opportunity with a superior value proposition

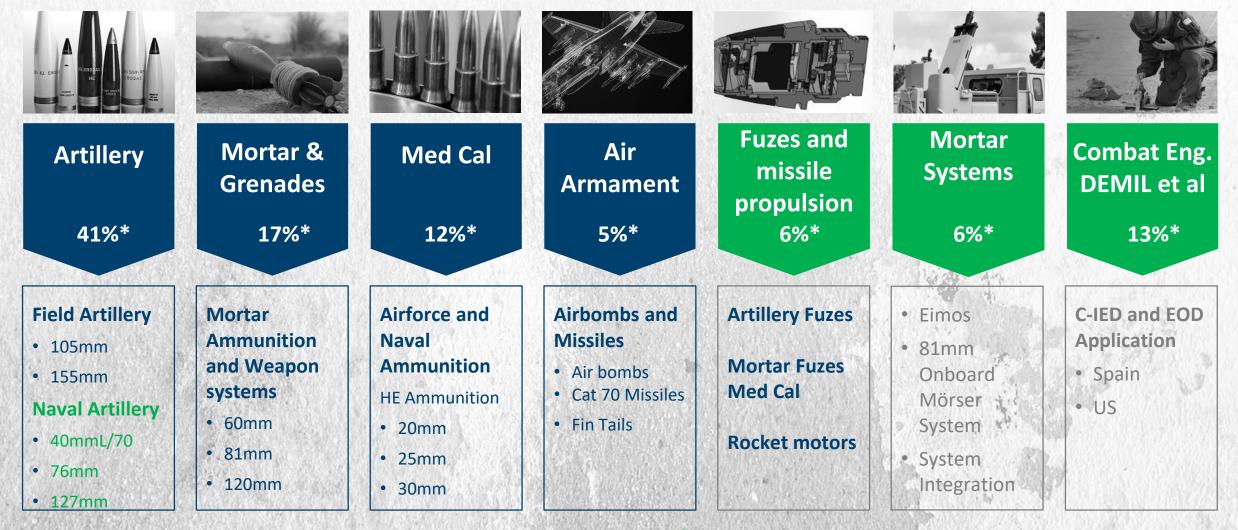
EXPAL Systems S.A.

- A global defense and security company offering high-end technology solutions for the Armed Forces' current and future needs since 1872
- Headquarter in Avenida Partenon 16 Madrid, Spain
- Financial Data for FY 2023e (Fiscal year ends 31.08.)
 - ~€400m sales volume
 - ~30% EBITDA Margin
 - 789 Employees as per 31.08.2022
- 7 sites in Europe and the US that supply to more than 60 countries
- State-of-the-art production network with cost efficient operations
- EXPAL cooperates with the main defense companies and NATO Armed Forces





Target overview: EXPAL product portfolio Full offering of mission-critical products to expand our business



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Green color marks new business for RHM * Sales share 2023P

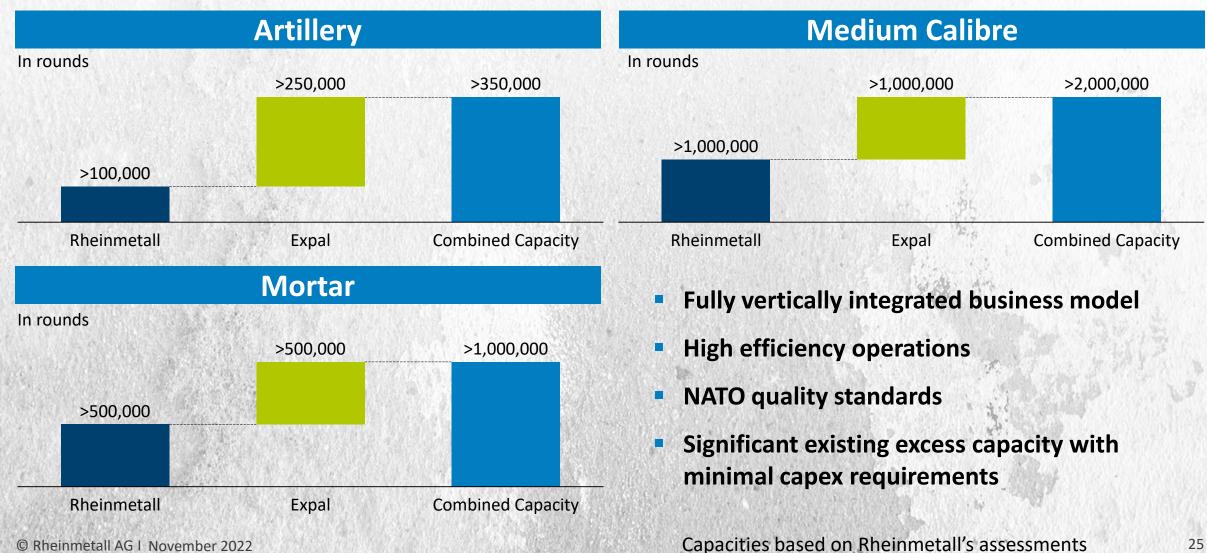


EXPAL Key investment Highlight A unique opportunity offering a superior value proposition

	Portfolio Fit		
Sustainable Sales Growth	Sustainable Profitability	Scalable Mass Production	Horizontal Diversification
 Continous market growth in key portfolio area Continously growing Market segments, e.g. 155mm driven by global defence trends 	 Lean cost structure Low and Competitive Cost Base Value Chain for production almost completely in House 	 Sufficient (and additional) production capacities Significant Capacities (in EU) and Capacity reserves Ability to quickly ramp up production 	Extension of product groups to the RHM portfolio • Naval • Artillery • Fuzes • Nitrocellulose and pre-cursor



EXPAL Key investment Highlight Excess capacities allow for flexible adjustment to demand expansion





EXPAL Key investment Highlight Attractive financial profile with superior margins and cash conversion

Strong backlog to turbo charge organic growth	 Current backlog of ~€520m Strong acceleration sparked by increasing demand
Sales growth accelerates	 Company's total capacity offers scope for potential annual sales of €700 to €800 million
Attractive margins	 ~30% EBITDA margin Vertically integrated business with attractive cost structures and high operational flexibility
Leading cash conversion	 Efficient operations Low maintenance capex

Acquisition Summary Strategic move to strengthen our core business

Transaction

- Rheinmetall acquires
 100% of privately
 owned EXPAL Systems
 SA, a Madrid
 headquartered
 producer of
 ammunition and
 defence solutions from
 Maxamcorp Holding SL
- Enterprise value is around €1.2bn

Rationale

- Readily available stateof-the-art capacities
- Extension of our product portfolio
- Supplementary regional markets
- Innovative technologies
- Backward integration into high-tech components

Financial evaluation

- ~10x EV/EBITDA FY 2023
- Financing structure to be finalized depending on the prevailing market conditions
- EPS accretive in first full year of consolidation

Timeline

- Signing on November 13th 2022
- Closing expected post regulatory approvals until summer 2023



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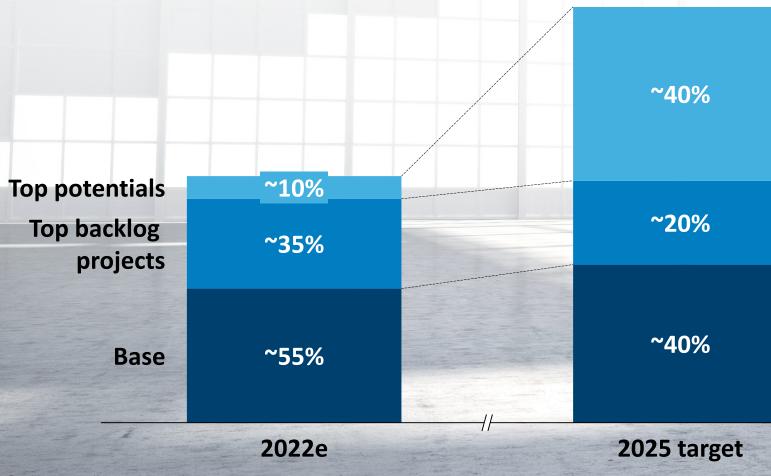
04 MID-TERM GUIDANCE

INNOVATIONS

Mid-term guidance: The supercycle 2.0 is happening

Sales contribution

share of total sales estimates in %





Top potentials

- Ammunition Germany
- Trucks Germany
- Puma
- Lynx Phase III
- "Schwerer Waffentraeger"
- Soldier Systems
- Characal
- Air defense projects

Top backlog projects

- Land 400 Phase II
- Land 121
- Trucks Germany
- Puma
- Boxer MIV
- Challenger
- Lynx Hungary
 - Ammo Framework Hungary



Mid-term guidance: **Double digit growth over the next 5 years** In €bn, operating margin in %

10.5%	>11%		~13%
			~10.0-11.0
~5.7		>20%	~2.5
	~6.5	11-12%	~1.5-2.0
		10-12%	4.0-5.0
		10-12/0	
		~10%	~2.0
		>10%	<1.0
2021a	-500 2022e		2025 target
© Rheinmetall AG I November 2022	M&T S&A VS ES W	A Consolidation	



Mid-term guidance



€5.7bn group sales Group margin of 10.5% FCF margin of 7.4%

- Leading tier 1 supplier to the OEM
- Innovative player in the European defence industry

Around €10-11bn group sales Group margin of ~13% FCF margin of 4-6%

- Major player in the e-mobility and hydrogen markets
- Dominant technology and product leader in military vehicles

2025



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Innovations for the Supercycle How Rheinmetall is shaping the future

Armin Papperger, CEO

November 2022



Autonomy

Tele-Operation Key Enabler for military Autonomy

Tele-operation will mature key technologies on the way to full system autonomy:

- Drive by wire/Control by wire technology
- System Safety Qualification
- Secure Communications
- Real time/Low-latency data transfer

Manned/Unmanned Operations

Tele-Operation Man-in-the-loop **Unmanned Operations**

Tele-Assist Autonomy with Man-in/ Man-on-the-loop





Manned Operations



RHEINMETALL



ES digital ecosystem – Capability enabler for moving forces

Rheinmetall ES is the leading system house for connected land forces. Providing solutions for the digital battlefield.

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"We **sense** the battlefield"

"We **connect** the battlefield"

"We **automate** and **dominate** the battlefield"



Command & Control

Reconnaissance

Sensor-Effector Networks

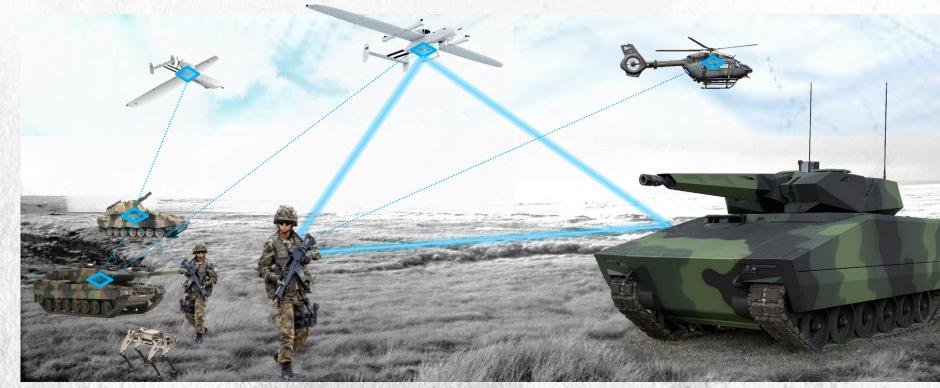
Support



Fully digitized task force – Customer Hungary

Rollout of the **digital ecosystem** in focus markets.

Realizing localization concept with Hungarian partners.



Roadmap 2 Digitalization



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Rheinmetall – Capital Markets Day 2022

Electrification

Innovations for electric mobility

- HV-contactor & pyrotechnic HV-switch: B-sample to customers Q3/2022
- DC link capacitor: A-phase functional sample in Q1/2023
- Electric air-conditioning compressor: SOP by October 2023



Electrification HITRON 8xE – Hybrid Combat Vehicle presented at Eurosatory 2022

HYBRID ELECTRIC DRIVE

Future oriented system design with growth potential

System architecture for 6x6 to 8x8

Common Core Technology for wheeled and tracked vehicles

FIRST SERIES HYBRID COMBAT VEHICLE

Funded development program to TRL6

Modular system design with inherent redundancy

Series readiness by 2025

BECOMING TECHNOLOGY LEADER

RHEINMETA

Key enabling technologies being integrated into product portfolio

Targeting specific 8x8 market opportunities during the super cycle

Innovation A new tank for a market that can't wait

INCREASED LETHALITY

IMPRESSIVE **MOBILITY**

HIGHER PROTECTION

BETTER CONNECTION

NATO market

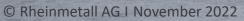
2025-2035

500-800+

NATO market

2035+

5.000-8.000







Innovation HERO Loitering Munitions – a game changer in the battlefield

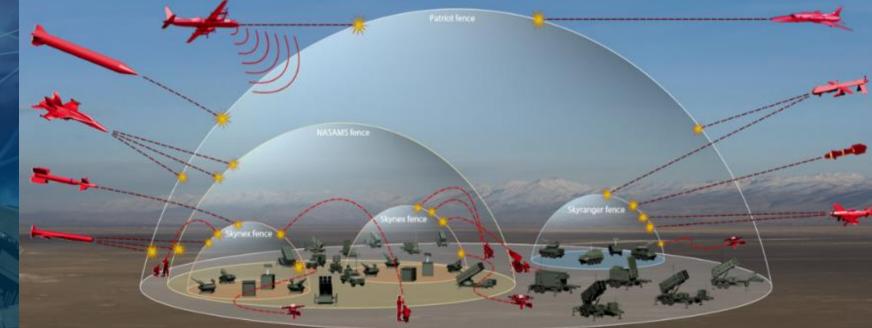


- Rheinmetall teamed up with UVision to offer the most advanced systems in this field
- Wide range of specifications from 0.5 to 10kg warhead and a range from 10 to 60km

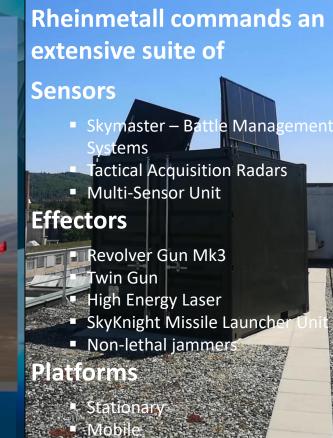
At sea



Renaissance of Air Defence Strengthening SHORAD has proven to be crucial in the Ukraine conflict



European Sky Shield Initiative started to unite 15 nations





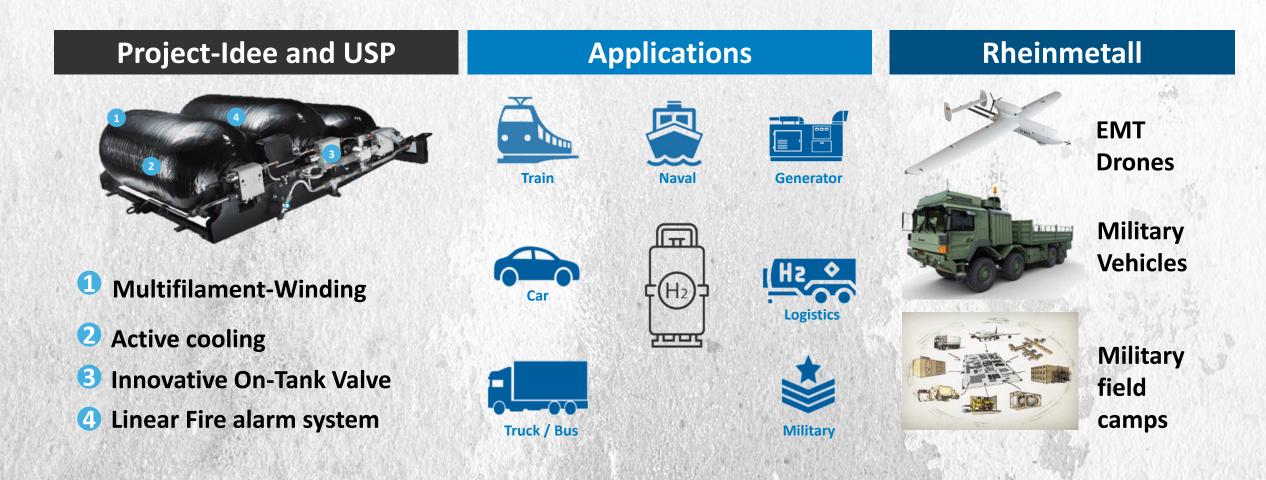
- 2022 Start of small series production for fuel cell system components.
- 2024 Sample of Type IV pressure tanks (LORICA) in customer trials
- 2025 Market launch of precious metal-free electrodes for alkaline electrolysis (E2NGEL)
- 2025 Market launch of Type IV pressure tanks (LORICA)

Lifetime-Sales >€350m Lifetime-Volume ~3 million units

HEINMETALL



H2 Technologies: Innovating the hydrogen pressure tank system





PASSION FOR TECHNOLOGY.