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# Agenda

1.	Introduction and Key Messages	Thomas Müller Chief Executive Officer
2.	Defence environment and HENSOLDT markets	Celia Pelaz Chief Strategy Officer
3.	Technology-driven growth	Celia Pelaz Chief Strategy Officer
4.	Portfolio development strategy	Celia Pelaz Chief Strategy Officer
5.	Industrialising the opportunity	Christian Ladurner Lars Immisch Chief Financial Officer Chief HR Officer
6.	Financial and capital allocation framework update	Christian Ladurner Chief Financial Officer







### On track to deliver a record 2023

Strong order backlog of €5.5bn

Very high visibility on revenue

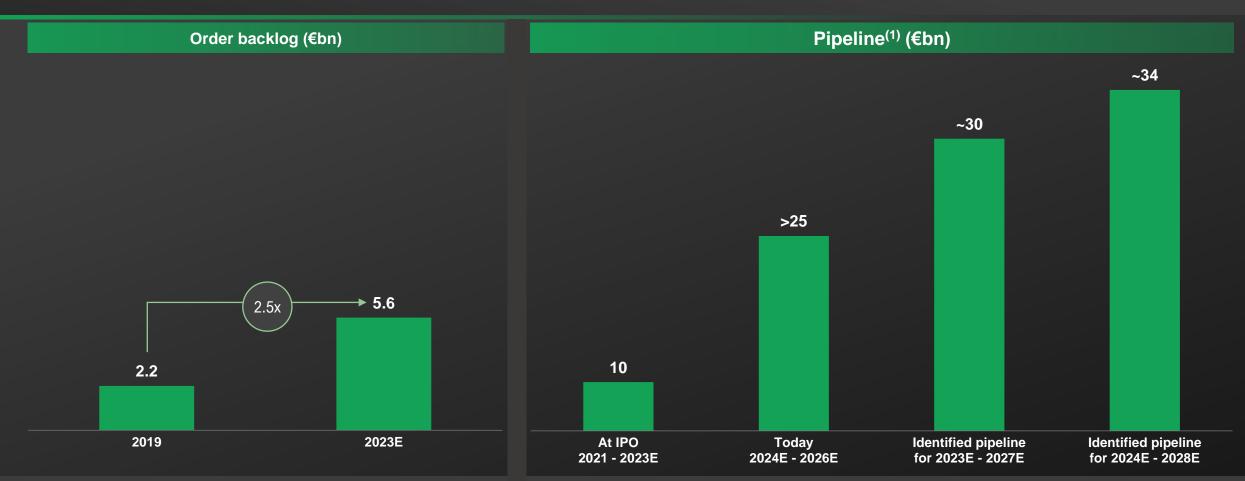
Efficient project execution and significant increase of core revenue

**Excellent profitability** 

FY 2023 and mid-term guidance confirmed



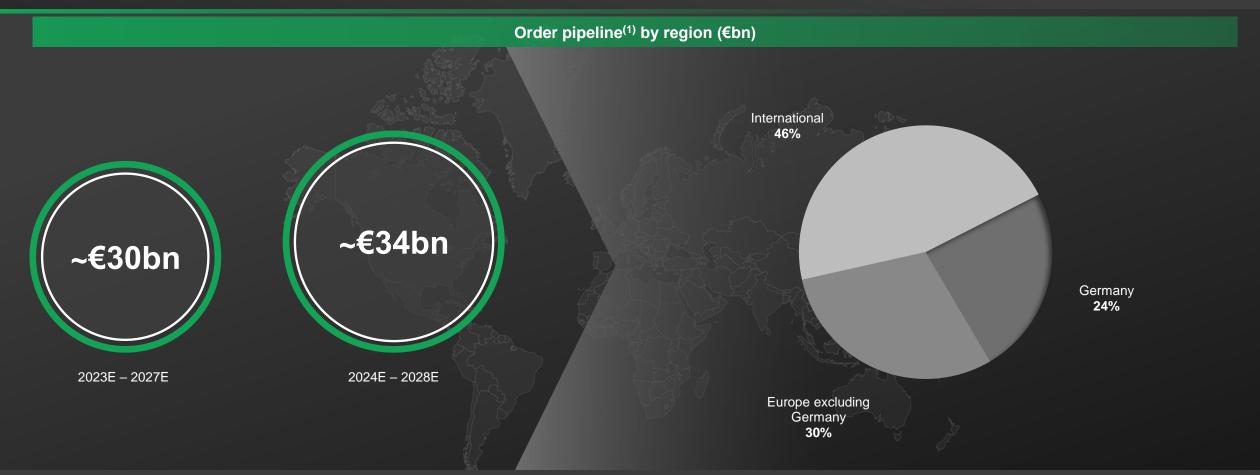
# High visibility from orders and pipeline



Source: HENSOLDT AG. (1) Pipeline is defined as total identified opportunities open for tender, based on management estimates of total value of contracts addressable over specified period (unadjusted for win probabilities for HENSOLDT)



# Pipeline weighted to international and European opportunities



Source: HENSOLDT AG. (1) Pipeline is defined as total identified opportunities open for tender, based on management estimates of total value of contracts addressable over specified period, (unadjusted for win probabilities for HENSOLDT)



# HENSOLDT setting up for long-cycle high-growth phase

#### New defence environment **HENSOLDT** priorities 8.6% Increasing defence budgets €5.5bn Market Lock in new contracts and convert Orderbook(4 across the World driving Hensoldt market growth...(1) growth €100bn €>25bn ...and locally with €100bn German Special Fund Pipeline ex Special **Further internationalisation** and commitment to 2% NATO target... Fund Germany<sup>(t</sup> 8.1% ...coupled with ever increasing Maintain strong margin discipline >19% Growth ex high-growth international opportunities...(1)(2) Margin<sup>(6)</sup> Germany through efficient execution 2x ....with sensors being at the core of the connected Invest and reinvest organically Commitmer Sensors to grow growth battlefield and poised for even higher growth (3) and inorganically

Source: HENSOLDT AG / RSA

(1) Growth refers to accessible electronics market growth 2023E - 2028F; (2) Accessible market growth 2023E - 2028F not including Germany; (3) Multiple of accessible market growth over topline defence spending growth (4) Order backlog as of 9M 2023; (5) Pipeline is defined as total identified opportunities open for tender, based on management estimates of total value of contracts addressable over specified period (unadjusted for win probabilities for HENSOLDT); (6) adjusted EBITDA margin excludes certain non-recurring items



# HENSOLDT technology and capabilities core to future warfare and security







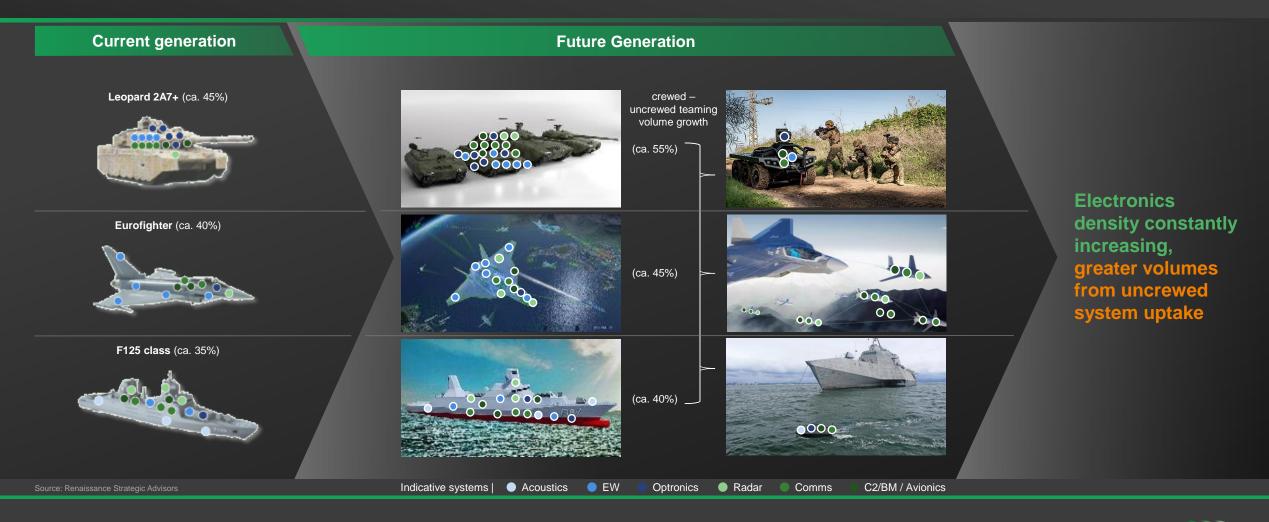


# Geopolitical tensions and operational trends driving growth



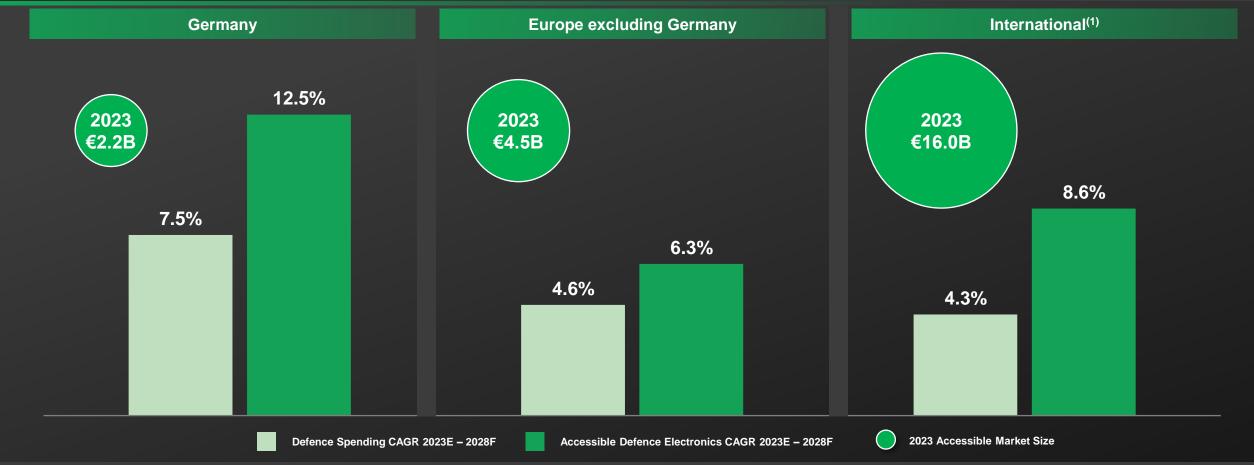


# Sensor demand growth is structural





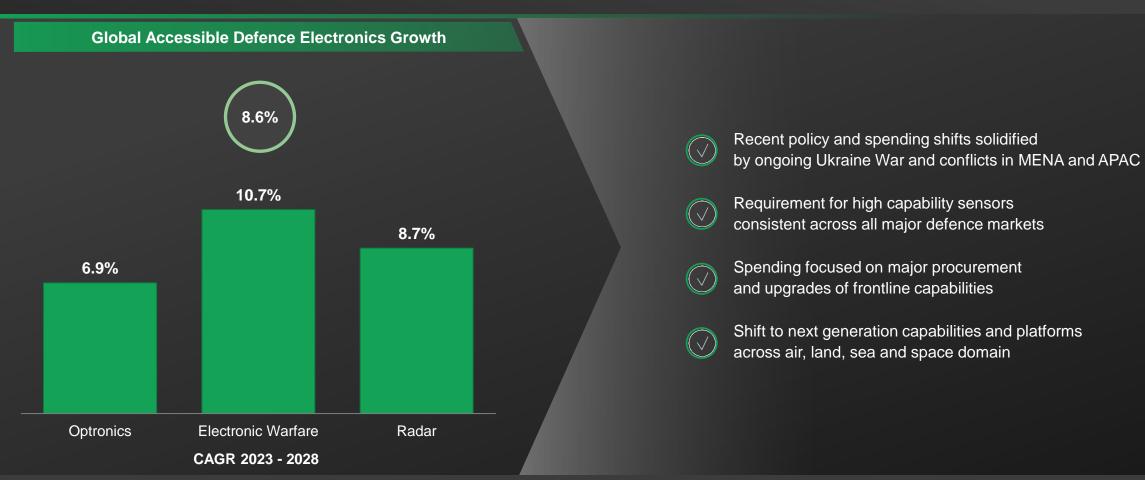
# High growth outlook across all regions

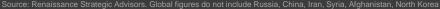


Source: Renaissance Strategic Advisors. Global figures do not include Russia. China. Iran. Svria. Afghanistan. North Korea. (1). Rest of World excludes Geographical Europe



## Growth consistent across sensor capabilities

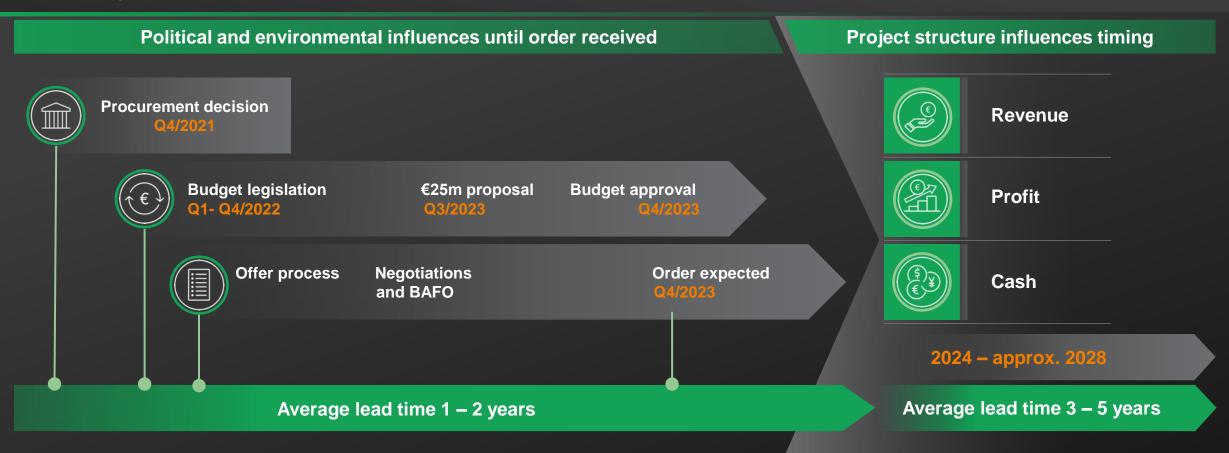






## Orders momentum remains strong

Case study NNbS





## Flexible and adaptive go-to-market strategy

#### **Go-to-Market Toolbox Germany & Home Markets Rest of Europe** International **Embedded through** Partnerships, Flexible approach Technology Insertion Industrial Sustainment Local Workshare technology and local production to fit customer R&D, production and workshare requirements capacity and to enable use combination long-term cross-European of strategies industrial opportunities as appropriate **Local Production** Customized Products Industrial Development development Local Support Industrial Partnerships **Customer Intimacy**



# **HENSOLDT** leads Germany's sensors capabilities

# **Core domains and German systems** Air Land Sea ECRS Mk1 Leopard 2 TRS-4D **PEGASUS** Puma optronics & U212 self protection

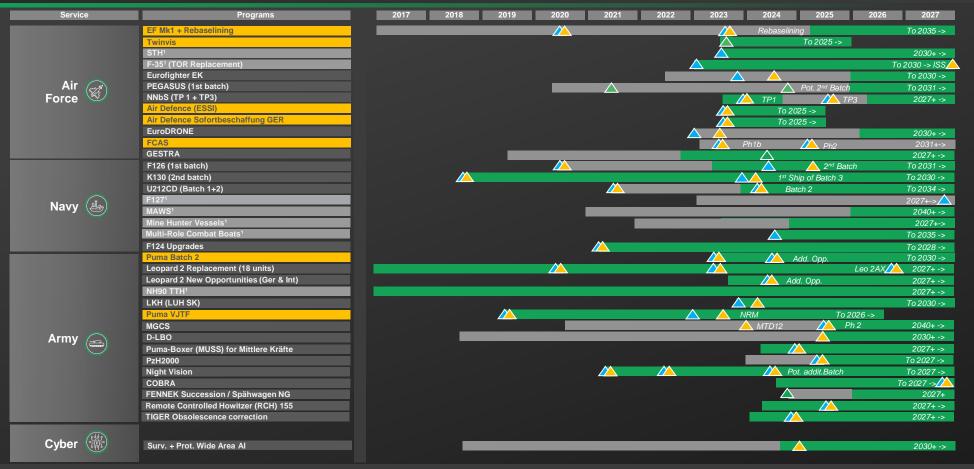


### Global market advantages

- Key partner of German Armed Forces and major destination of home customer technology development funding
- Leverages position on German designed platforms for international market sales
- Technology seen as market leading due to high sophistication of German requirements
- OEM agnostic position enhances product flexibility and expands integration potential across platforms outside of Germany



# **Domestic German position strong and broad**



Award OEM

Award HEN

HEN OEM(2)

Development

Production

Orders placed in 2023

Source: Renaissance Strategic Advisors, Bundeswehr, HENSOLDT AG. Note: All based on current estimates and subject to change. (1) No Award/no order intake planned for HENSOLDT yet; (2) Original equipment manufacturer



# Current orders demonstrate technology leadership in core German market



**Puma IFV** 



Sights and self-protection for Puma 2<sup>nd</sup> batch and Puma retrofit



**TRML-4D Radar** 



TRML-4D Germany for European Sky Shield Initiative



**EF re-baselining** 



Additional features required by the customer



**NNbS** 

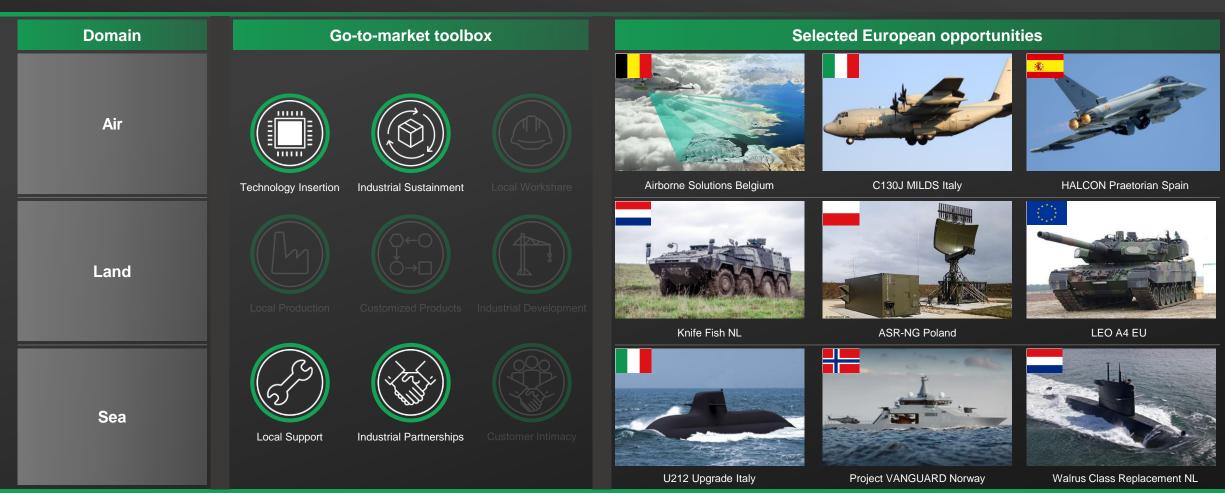


Radars for short range and very short range protection air defence system

Expected for Dec 2023



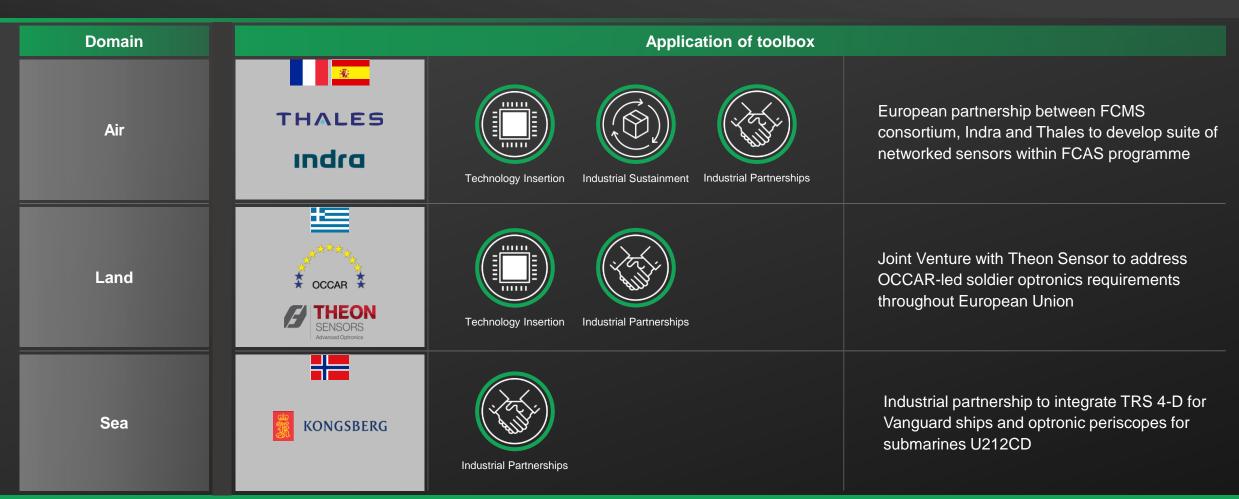
# European partnering is core to our success



Source: HENSOI DT AC



## Partnerships key to European success



Source: HENSOI DT AC



# Recent orders demonstrate enduring European position

### **Recent European Wins**



Ula class submarine



Periscopes and
Optronic Mast Systems
for Norwegian submarines



**TRML-4D Radar** 



Further TRML-4D radars for Ukraine



Leopard 2



Optronics for Norway and Sweden



**AMPS** 



Self-protection systems for Ukrainian helicopters



# International markets a significant opportunity

### Go-to-market toolbox Selected international opportunities Domain Air Super Tucano AMPS Brazil PrecISR Taiwan F-16 MILDS Indonesia LCH & ALH AMPS India Technology Insertion Industrial Sustainment Local Workshare Land **Local Production Customized Products** Industrial Development K1A2 SETAS RoK TRML-4D Kuwait Coastal Surveillance Algeria TwinVis [undisclosed cust.]

Source: HENSOLDT AG



Tamandare-class TRS-4D

Kang Ding-class TRS-4D

Sea

Victoria-class Modernisation

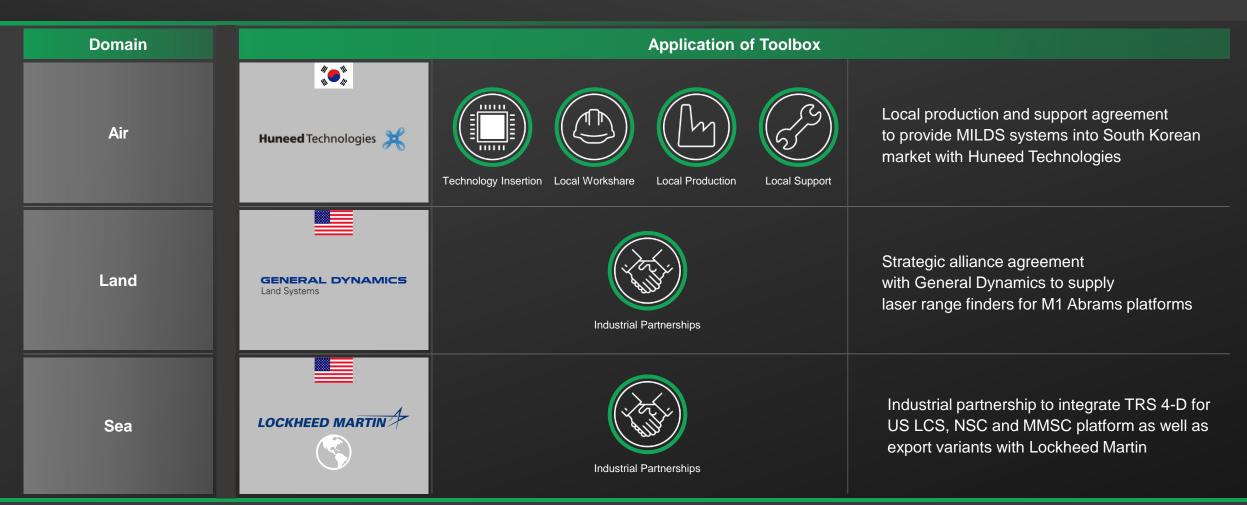
P75i Modernisation

**Customer Intimacy** 

Industrial Partnerships

Local Support

# Range of approaches being deployed internationally





# Recent international success is just the beginning

#### **Recent International Wins**



Mission System Modernization



Indonesia



**Passive Radar** 



Undisclosed customer



**ELRF M1 Abrams** 



USA





Japan

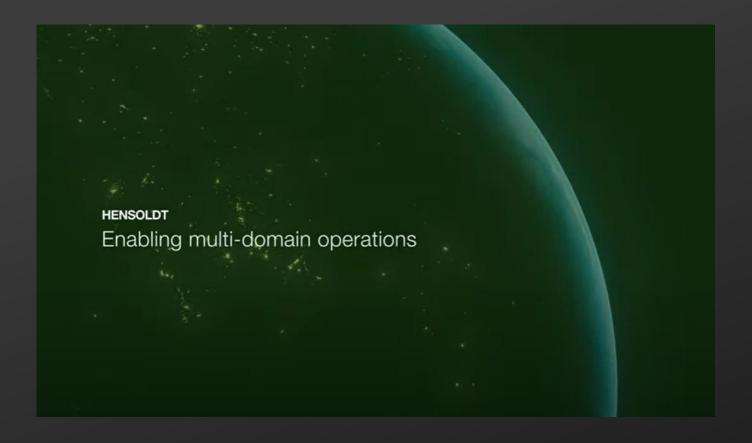






# HENSOLDT technologies are critical across battlespace domains

[https://youtu.be/awTXGOUK0Ag]





# Customer priorities focused on three key functional areas driven from ongoing customer intimacy

#### **Customer Requirements**

#### **Open Architecture**







/lodularity

Hardware Technologie

Software Integration

Moving towards open architecture system design and component modularity



Development of CMS and Data Fusion Systems



Modularization of border security systems

Integrating supporting software capabilities such as embedded analytics and automated target identification software



Embedding cyber and Al Into avionics product set



Optronics sensor automated target identification

Integrating new sensor hardware including advanced digital radar technology and 360° visualisation systems



Fully digital back-end radar systems



360° Situational awareness System SETAS

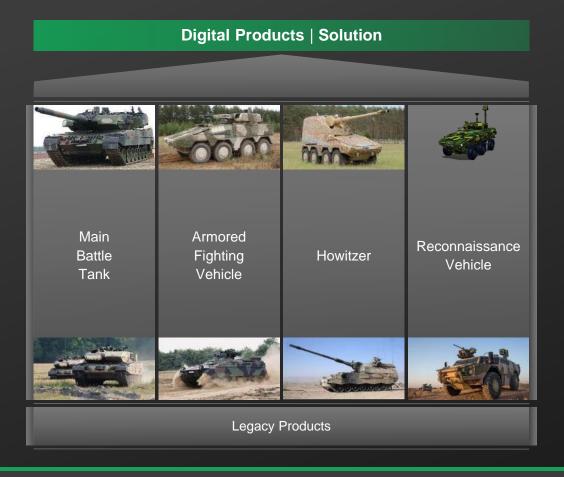




# SIGINT sensor development example: portfolio development leveraging synergies of a common architecture



# Optronics' close understanding of customer priorities and requirements solidifies position on next generation platforms





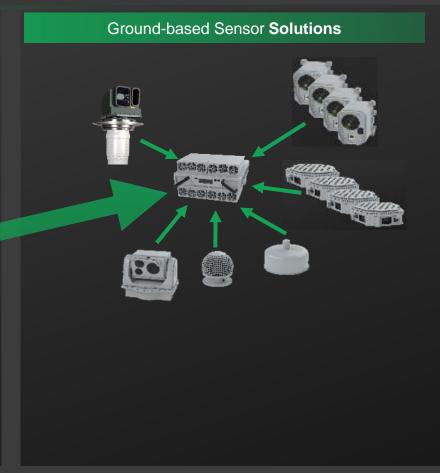


# **Digitalization in Optronics**

Example: Ground Based Systems









# Reconnaissance, self-protection & convoy protection

Sensor fusion for vehicles

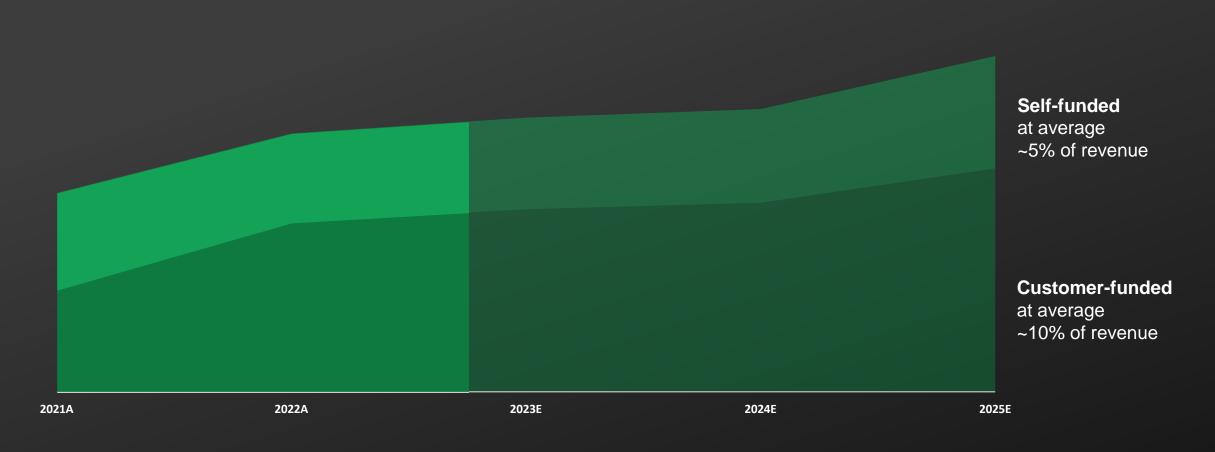


https://www.youtube.com/watch?v=rkdCn\_gQyyg



# **HENSOLDT** will continue to prioritise R&D investment

Around 15% of revenue to be invested sustainably



(1) In % of revenue



# HENSOLDT invests prioritized in technology and capabilities

Based on decades of experience in Sensor Data Fusion we invest into AI and MDO-enabling tech and capabilities

Strong focused R&D			
Multi Domain Operations		Further invest into Sensor Data Fusion matching Multi Domain Operations requirements	
Artificial Intelligence	O P P P P P P P P P P P P P P P P P P P	Al development across all business for all relevant products and solutions	
Next Generation Products		Targeted R&D for Next Generation products and solutions	
Future Technologies		R&T focused on identified future required key technologies	







# We pursue multiple vectors for portfolio expansion to enhance depth and market position





Access to disruptive technologies

- Artificial Intelligence
- Data Fusion and Analytics
- Autonomy capabilities
- Intelligence and Cyber



Strengthen key regions and enter new markets

- Europe, e.g. UK and France
- APAC, e.g. Australia
- US



Expanding product portfolio

- Solution offerings
- Connectivity and Communication
- Complementary sensor capabilities



Creating value / scale from consolidation

- Leverage position
   in Germany to enable
   electronics consolidation
- Join forces with partners in Europe





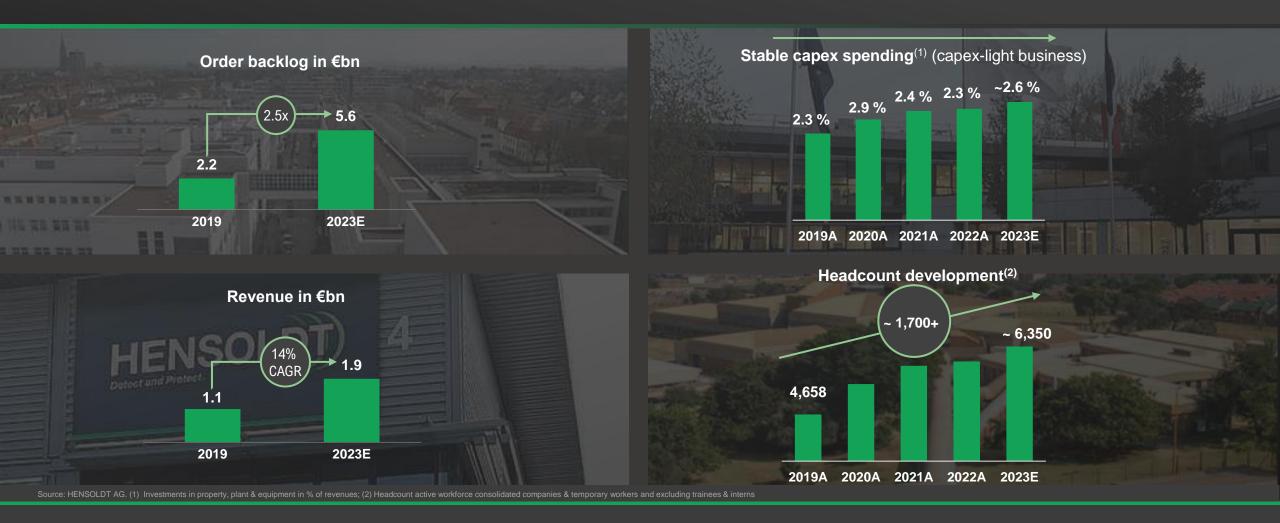


#### Opening key messages

- ✓ Industrialising technology is in our DNA
- ✓ We have a strong workforce and industrial footprint
- ✓ Careful and strategic investments are being made to maximise our growth opportunities
- ✓ We are tooled for and focused on continuous improvement
- ✓ Talent is a priority where we invest time and effort in developing our people.



## Consistently investing in the asset and employee base





## HENSOLDT GO! Continues as we constantly strive to improve

Key transformation levers to become more Industrial, Agile & Resilient

**HENSOLDT** Go! Wave 1

**HENSOLDT** Go! Wave 2

HENSOLDT Go! Wave 3 focuses on the right topics to prepare for future growth

## Optimizing individual organization

- Carve out from Airbus
- Growth and organizational efficiency within individual functions
- Optimized capital productivity with special focus on cash cycle

## End-to-end optimization across all functions

- Optimize HENSOLDT end-to-end
- Further optimize capital productivity with special focus on cash cycle



1. Industrial

Industrialize Key
Products



2. Agile

Engineering Efficiency



3. Resilient

Supply Chain Robustness

With key initiatives, HENSOLDT will become more industrial, agile and resilient



## Industrialising our technology is a core competency

Integrated industrialization process



"Cover increasing customer demand for key products"

Improvement measure ideas from workshops

Industrialization KPIs from workshops

Insights from interviews

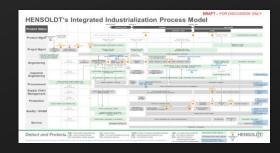




"Improve efficiency across entire value chain"

"Ensure top product quality and reliability"

**HENSOLDT's Integrated Industrialization Process Model** 



Source: HENSOLDT AG



Aligned industrialization

value chain



## Engineering enhancement improvement is in our DNA

Key contributor to the HENSOLDT business targets



#### **Externalization**

Externalization of existing FTE gap and future growth



#### **Operating Model**

Ability to deliver

Integrated develop-to-deliver process



#### **Modularization**

Cross-divisional optimization through SDF & MDO centric modularization & architecture standards





## Our supply chain is robust and we continue to improve

Key areas for supply chain robustness @ HENSOLDT



Further strengthen proactive management of supply issues and disruptions



Further stabilization of supply chain planning and improve availability of materials



Further improve on-time delivery rate towards customers (OTD)



Improve supplier performance to reduce cost of non-quality



Intensify involvement
and improved collaboration of procurement
and supplier quality with other functions



Global sourcing strategy aligned between procurement and sales to support offset strategies



#### TRML-4D industrialisation being well executed

Case study #1

#### **HENSOLDT** Go! Wave 1

- Production System Optimization
- Improve Cost of Non Quality

#### **HENSOLDT** Go! Wave 2

- Optimization of Production lines
- Anonymous production
- Industrial Engineering

#### **HENSOLDT** Go! Wave 3

- Industrialization for current products
- Robust mechanism



#### **Achievements**

- Margin improvement and increased capacity
- Net Working Capital Improvement
- Increased production flexibility
- Optimization of material flow



## **HENSOLDT Optronics new state-of-the-art campus**

Case study #2



#### Rationale for move and benefits

- State-of-the-art facilities
- Consolidates Optronics team across facilities
- Enhanced production capacity to serve growing demand
- Improved efficiency in production, engineering and program management
- Estimated one-off effort in total of mid-double digit million Euro amount across 2024/2025, mainly capex

#### **Optronics campus**

- Leased from real estate company
- Net floor space: 31,600 sqm
- Employees: c.850 (flexible expansion option)
- Start of Construction: Q2 2023
- Moving: Q4 2024





## OneSAPnow – an important enabler to support execution of our growth



**Digital products & services** 



**Digital enterprise** 



Digital work and culture



#### **Digital foundation**



Improved customer service through better data at the right time



Increased efficiency through cost-efficient, fast and compliant processes



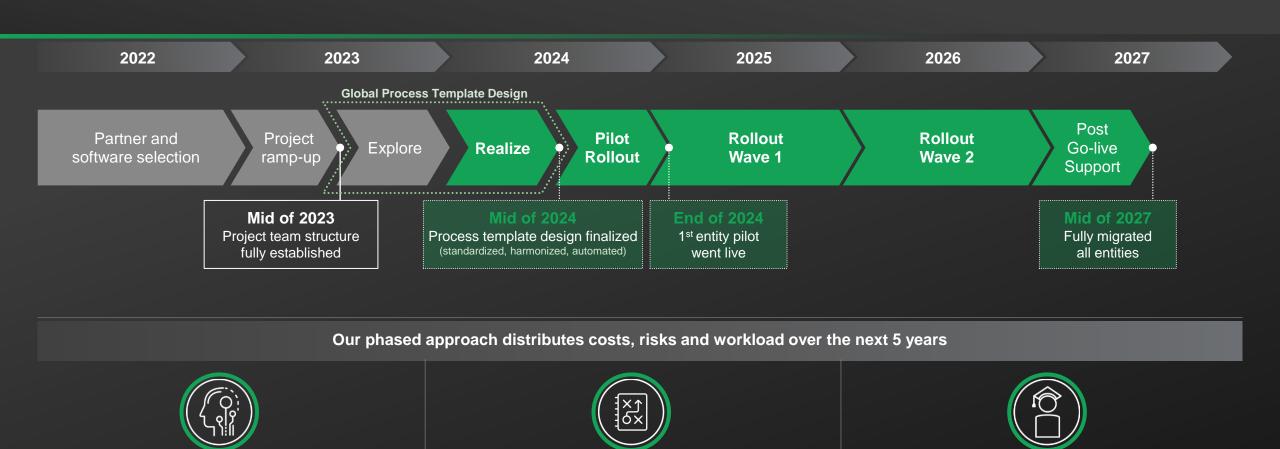
Future growth through seamless ERP system and scalable processes



Enhanced business insights & value creation through deep analytical capabilities



#### OneSAPnow rollout in waves to de-risk process



Source: HENSOLDT AG



Goals aligned with executive incentives

Assured availability of expertise

Extensive preparation and oversight

## Structured approach to skills and competence development

"Global skilled labor shortage vs. HENSOLDT growth ambition"

"New and changing key competencies due to future market demand" "Operationalization of strategic competence management"



**Profiles & Levels** 



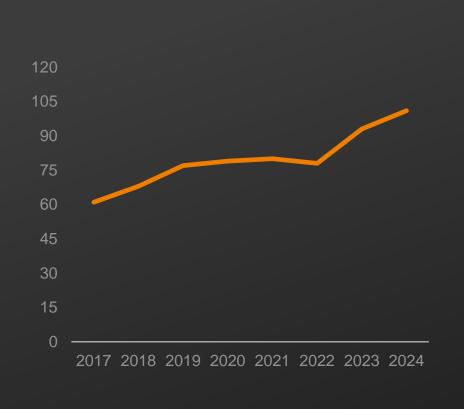
**Strategic Competence Mgmt. process** 



**Continuous Development Process** 

#### How trainee and students programs contribute ...

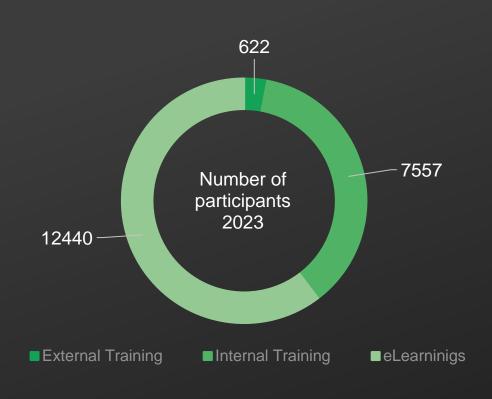
#### **Evolution number of trainees and students (incl. Apprenticeship in Germany)**



- Significant growth of 65% since 2017
- HENSOLDT tailored student programs in close cooperation with universities
- Implementation of HENSOLDT-specific degree programme
   e.g. Embedded Systems Aerospace Engineering
- International cross-location student exchanges (South Africa, Great Britain, Germany, other)

#### How learning needs are approached ...

#### **High Level of Learning & Development Investment**



- Majority of eLearnings relate to mandatory trainings, general Soft and Hard Skills development
- Internal Trainings focussed on HENSOLDT specific learning content conducted by internal experts
- More than 1000 internal & external Training Events
- External training investments mainly (more than 70 %)
   for technical upskilling along strategic workforce planning
- Custom tailored System Engineering development paths implemented



## **Ecosystems being essential** to combine external and internal strengths...



Radar

Airborne radars, ground-based radar, security radar, naval radar



#### **Optronics**

Airborne optronics, vehicle optronics, maritime optronics, high-performance optronics, optronic sensor devices



#### **Spectrum Dominance**

Receivers, direction finders, electronic warfare systems, cyber and data analytics systems























## 9-month results on track to deliver on our 2023E guidance

Order intake in line with expectations

€1,281m

Strong adjusted EBITDA<sup>(1)</sup> result

€151 m

**Excellent revenue performance** 

€1,136 m

Core revenue<sup>(2)</sup>: €1,006m

Improved adjusted EBITDA(1) margin (before pass-through)

15.0%

Robust order backlog

€5,472 m

Successfully decreased net leverage<sup>(3)</sup>

 $\sim 2.0x$ 

Source: HENSOLDT AG. (1) Adjusted EBITDA / adjusted EBITDA margin excludes certain non-recurring items; (2) Core revenue is defined as revenues before pass-through; (3) Net leverage includes lease liabilities, but excludes pensions



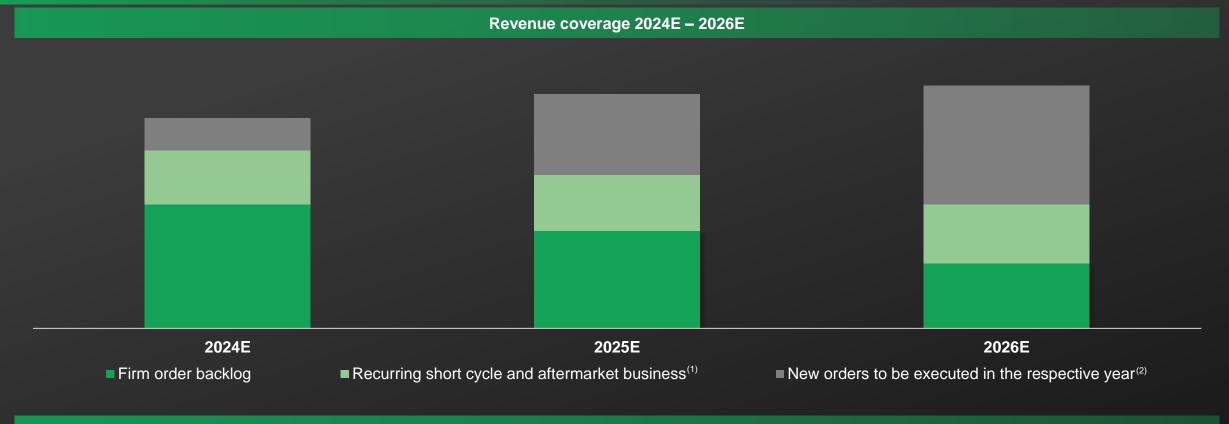
## Short and medium term guidance reconfirmed

	2023 target <sup>(5)</sup>	Medium term target <sup>(5)</sup>
Book-to-bill ratio <sup>(1)</sup> / Order intake	1.1x - 1.2x	Orders to grow significantly faster than revenue
Revenue growth	~ €1,850m with stronger growth in core revenue	10% average annual growth
Adjusted EBITDA margin <sup>(2)</sup>	~19% before pass-through revenue	>19% before pass-through revenue
Adjusted pre-tax unlevered FCF <sup>(3)</sup>	~ <b>70%</b> average conversion on adjusted EBITDA	70% - 80% average conversion on adjusted EBITDA
Net leverage <sup>(4)</sup>	≤1.0x	n/a
Dividend	30% - 40% of adjusted net income	30% - 40% of adjusted net income

Source: HENSOLDT AG. (1) Average share of pass-through revenue of total revenue was ~10% between 2020E; pass-through share of total revenue is expected to be in the mid single-digit percentage range between 2023E and 2025E; (2) Adjusted EBITDA margin excluding certain non-recurring effects such as Transaction costs. OneSAPnow-related non-recurring effects as well as other non-recurring effects. (3) Adjusted Pre-Tax Unlevered Free Cash Flow is Defined as free cash flow adjusted for non-recurring effects as well as interest, tax and M&A activities. (4) Net leverage includes lease liabilities, but excludes pensions; (5) excluding material M&A.



# Based on order backlog 9M2023, benchmark visibility continues also for 2024

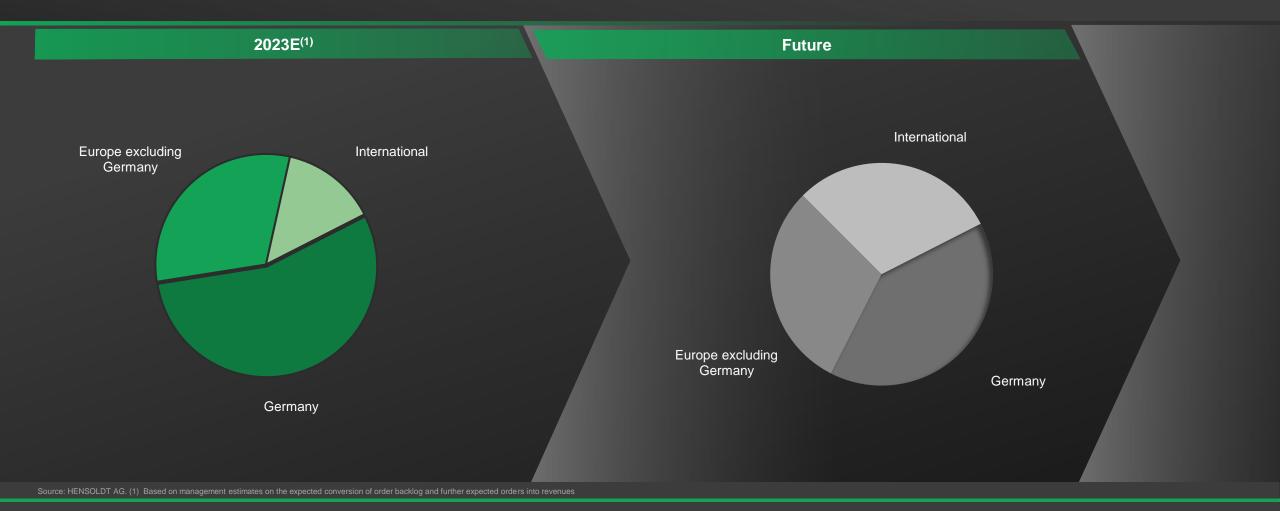


~85% revenue for 2024E covered(3)

Source: HENSOLDT AG. (1) E.g. spares and service, including portion of expected aftersales in pipeline; (2) New project business includes pipeline; (3) Based on management estimates based on the expected conversion of order backlog and further expected orders into revenue, as well as the expected recurring short-cycle and aftersales business



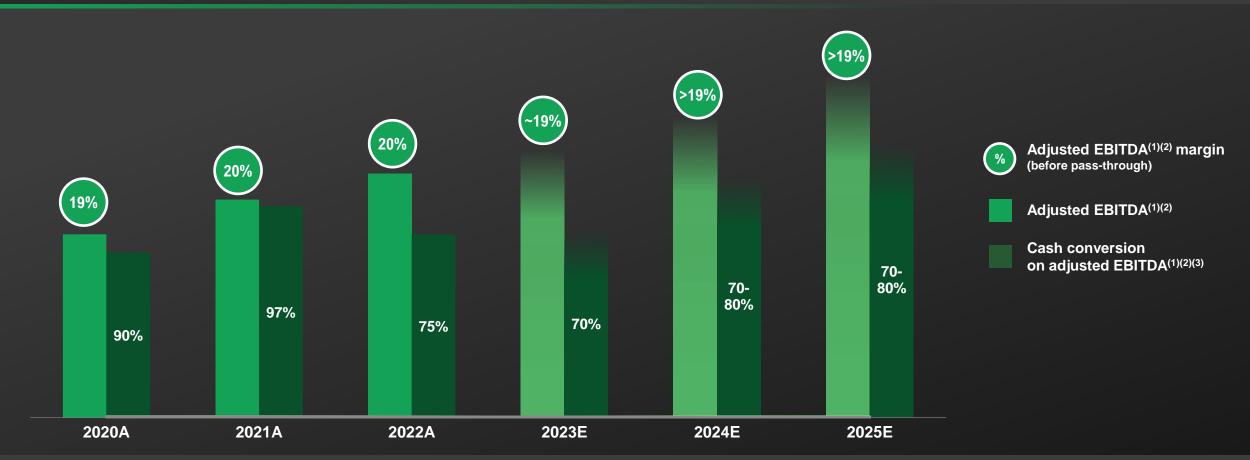
## We expect revenue split to be more balanced in the longer term





#### Robust margin and cash conversion whilst investing

Margin discipline and cash generation potential



Source: HENSOLDT AG. (1) Adjusted EBITDA / adjusted EBITDA margin excluding certain non-recurring effects such as Transaction costs, OneSAPnow-related non-recurring effects as well as other non-recurring effects. (2) excluding material M&A; (3) Conversion rate of adjusted Pre-Tax Unlevered Free Cash Flow adjusted Pre-Tax Unlevered Free Cash Flow adjusted for non-recurring effects as well as interest, tax and M&A activities.



## Capital allocation framework



Fund our growth





Supporting growth profile by preserving a conservative financial debt profile



### Key messages



**Excellent visibility** 



Sustainable, consistent long term growth



Highly profitable & cash generating growth







# Management priorities for HENSOLDT over next 3 years to underpin long-cycle

HENSOLDT priorities	Key KPIs		Measures
	Today	3 years	
Lock in new contracts and convert	Revenue growth 7-10% Book-to-Bill 1.1-1.2x	10% <sup>(3)</sup> >1x	<ul><li>Maintain strong order intake</li><li>Orders to grow significantly faster than revenue</li></ul>
Further internationalisation	Share of international 41% portfolio	growing	<ul> <li>Solidify international presence in select high-growth markets</li> </ul>
Maintain strong margin discipline through efficient execution	EBITDA Margin <sup>(1)</sup> ~19% (before pass-through) FCF Conversion <sup>(2)</sup> 70%	>19% 70 - 80%	<ul> <li>HENSOLDT Go! Wave 3 to drive end-to-end optimisation across all regions</li> </ul>
Reinvest for growth	R&D % Sales 5% Capex % Sales ~2%	~5% ~2%	<ul> <li>Organic and opportunistic M&amp;A investments supporting growth strategy</li> </ul>

(1) Adjusted EBITDA margin excluding certain non-recurring effects such as Transaction costs, OneSAPnow-related non-recurring effects as well as other non-recurring effects. (2) Adjusted Pre-Tax Unlevered Free Cash Flow divided by adj. EBITDA; Adjusted Pre-Tax Unlevered Free Cash Flow is Defined as free cash flow adjusted for non-recurring effects as well as interest, tax and M&A activities: (3) in average.



#### **Q&A** session

## Q&A session

