# Bactiguard®

**Updated strategic and financial targets** 

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# The new Bactiguard in brief

advanced technology to prevent medical device related infections

established license
partnerships with global
MedTech giants

potential in **future license partnerships**across therapeutic areas

"become global standard of care for preventing medical device related infections"



# The issue of healthcare associated infections

- 1 in 10 patients worldwide affected by healthcare associated infections (HAI)<sup>1</sup>
- 40-60% of all HAIs caused by medical devices<sup>2</sup>
- **Up to 50%** of HAIs estimated to be **preventable**<sup>3</sup>
- Costs associated with HAIs (ie extended hospital stays and additional treatment) can be significantly reduced through proactive infection prevention strategies <sup>4</sup>
- WHO: Proactive infection prevention is cost-effective, offering both financial and health benefits over treatment<sup>5</sup>



<sup>2.</sup> DiBiase, L. M. et al. (2014. Infection Control & Hospital Epidemiology, 35(2), 200-202. https://doi.org/10.1086/674847



https://www.ecdc.europa.eu/en/healthcare-associated-infections

<sup>4.</sup> ECDC. Economic evaluations of interventions to prevent healthcare-associated infections. Stockholm: ECDC; 2017.

<sup>5.</sup> Global report on infection prevention and control. Geneva: World Health Organization; 2022. Licence: CC BY-NC-SA 3.0 IGO.



### Full-year 2024 key figures and achievements

License focused strategy delivered increased revenues and profitability

### **Key figures for 2024 (2023)**

Revenues	<b>261.9</b> ▲ (223.2) MSEK
EBITDA	<b>18.0</b> ▲ (-76.1) MSEK
Net loss	<b>29.8</b> ▼ (138.4) MSEK
CF from operating activities	<b>25.0</b> ▲ (-52.3) MSEK

### The new Bactiguard

- Delivered on strategic shift license focus
- Increased revenues and EBITDA profitability
- Positive Cash flow (from Operating activities)
- Knowledge and specialist organization
- Wound management product portfolio delivered profitable growth



# REVIEW AND OUTCOME - TARGETS AND THERAPEUTIC AREAS





## A data driven approach to shape our long-range plan

#### Market review

Review of external data sources incl. +15 therapeutic areas, +100 clinical studies and +1000 product classifications

Leveraging internal data from decades of research and testing to identify high-potential and adjacent opportunities

Prioritization based on medical needs, market size, technology fit, partner and competitive landscape

#### **Process review**

Analysis of approval timelines across therapeutic areas and medical classes

Review and assessment of internal data and knowledge on regulatory timelines and pathways

Scoping of milestones and phases from early stage testing to commercial launch

### Modeling

Dynamic, granular financial modelling of potential new application areas

Detailed assessment of underlying and expected growth from existing business

Thorough assessment and scenario building of input variables such as scale-up rates, maturity and churn



# Updated strategic and financial targets

Scalability and operational leverage of business model increases over time

>10

>200

>600

At least **ten application areas** in either **exclusivity** or **license partnership** by year-end 2030

**EBITDA** of at least **SEK 200** million by year-end 2030

**Revenues** of at least **SEK 600 million** by year-end 2030

**Partnership development** 

**EBITDA** 

Revenues



### Focus therapeutic areas for the license business

### Areas with high unmet medical needs

	Orthopedics	Vascular access	Cardiology	Neurology	Urology
Application areas (examples)	Hip Implants Knee Implants Trauma Implants	Central Venous Catheter Peripherally Inserted Central Catheter Midline Catheter	Ventricular Assisted Device Pacemaker	Deep Brain Stimulator Vagus Nerve Stimulator Peripheral Nerve Stimulator	Foley Catheter
Indicative infection rates	Primary <b>1-5%</b> Revisions <b>8-22%</b> Fracture related <b>5-40%</b>	CLABSI <b>2-10%</b> (>2 days)	CIED <b>1-7</b> % Structural heart <b>19-39</b> %	Modulators: 1-15% Shunts: 5-13%	CAUTI <b>9-21%</b> (>2 days)
Indicative mortality rates	3-11%	12-31%	CIED <b>3-5%</b> Structural heart <b>5-10%</b>	10-12%*	1-4%
Addressable market	USD <b>39bn</b>	USD 11bn	USD 10bn	USD <b>9bn</b>	USD <b>5bn</b>

Orthopedics: Primary - Masters et al. (2013), Acuña et al. (2021); Revisions - Gold et al. (2019), Patel et al. (2023); Trauma - Norris et al. (2019), Li et al. (2024); Mortality - Fischbacher & Borens (2019), Villa et al. (2024), Mundi et al. (2024). Vasculary access: based on Rosenthal et al. (2023) and Alshahran et al. (2023); Mortality - Toor et al. (2022) and Yu et al. (2023).

Cardiovascular: CIED - Greenspon et al. (2011); Wilkoff et al. (2020), Solail Henrikson et al. (2011); Structural Heart: Mehra, Goldstein et al. (2022): Tong et al. (2015), Topkara et al. (2010),

8 Neurology: Modulators, Infections - SCS: Bendel et al. (2017); PNS: Ishizuka et al. (2007); DBS: Oh et al. (2002); VNS: (Hasegawa et al., 2021); Shunts, Infections - Sagun Tuli et al. (2004); \*Mortality related to shunts - Ivan Pelegrin et al. (2017).

Urology: CAUTI - Estimated based on CDC and clinical literature including Lo et al. 2014. Mortality: Estimated based on CDC and clinical literature including Tambyah et al. 2000.



### **Go-to-market – indicative timelines**

From early-stage testing to commercialization takes several years

Material transfer agreement

Application development partnerships

**Exclusivity partnerships** 

License partnerships

Medical devices
Class II

**Average 5 years** 

Medical devices
Class III

**Average 7 years** 

#### **Collaboration within**

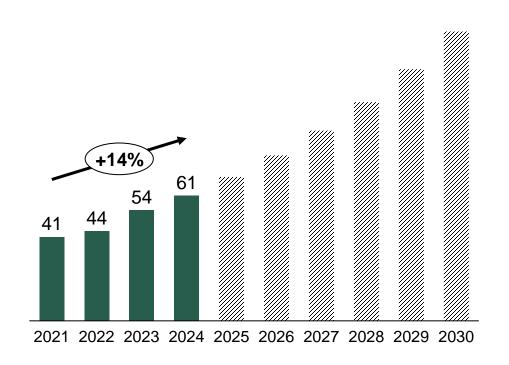
- Basic feasibility and performance tests
- Process/product development
- Clinical studies and outcome
- Regulatory requirements
- Supply chain matters
- · Commercial scale-up





## Wound Management's contribution to financial targets

Continued profitable double-digit growth and from existing and expansion into new markets

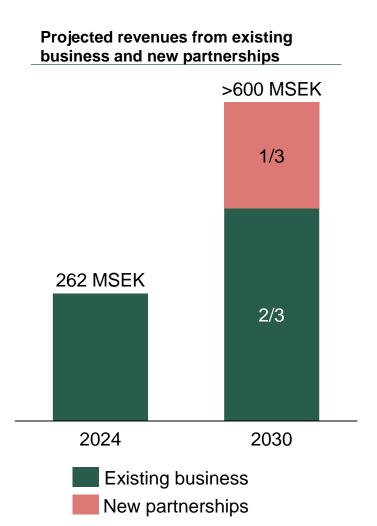






## Financial profile develops favorably over time

Double-digit growth and margin expansion driven by existing business towards 2030



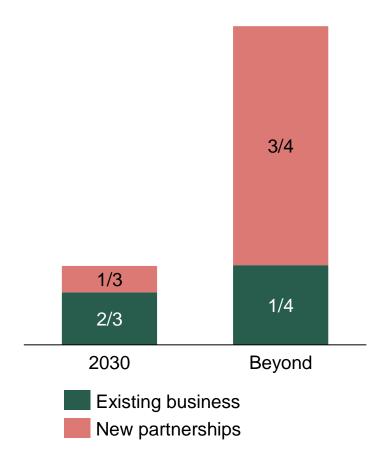
- Grow by focusing on select application areas in strategic therapeutic areas with the highest potential
- Ensure growth initiatives are underpinned by a disciplined financial strategy to consistently deliver EBITDA profitability
- By 2030, two thirds of revenues are driven by existing partners/business, and one third from new partnerships



# Business model enables significant operational leverage

Significant scale beyond 2030 as royalties from new application areas mature

Illustrative revenues from existing business and new partnerships



- Business model's inherent operating leverage drives substantial EBITDA expansion, especially from royalties as new application areas mature
- Significant operational leverage and scale comes in the second phase after the 2030 target period with new business potential



### STATUS TODAY AND FRAMEWORK AHEAD





# Announcing progress across partnership phases

Exclusivity partnerships and License partnerships announced with partner name

	Material transfer agreement	Application development partnership	Exclusivity partnership	License partnership
Orthopedics				ZIMMER BIOMET
Vascular access				
Cardiology				
Neurology				
Urology				& BD wellead
Other				
•	•	•		:



# The new Bactiguard – strategic focus areas and priorities

Be the premier partner for leading MedTech companies



R&D Medical Regulatory

Wound Management portfolio

Advance current and develop new partnerships

Invest further in above key knowledge areas

**Grow profitably and expand into new markets** 



## **Today's presentation in summary**

### Key takeaways

- Rigorous approach to define the long-range plan
- Strategic therapeutic areas: Orthopedics, Vascular Access, Cardiology, Neurology and Urology
- From early-stage testing to commercialization takes several years
- Financial profile develops favorably over time
- Business model with significant operational leverage and scale
- Wound Management continued profitable growth included in financial targets

### **Strategic and financial targets**

#### **Partnership development**

Have at least ten application areas in either exclusivity partnership or license partnership by year-end 2030

#### Revenues

Deliver revenues of at least SEK 600 million by year-end 2030

#### **EBITDA**

Deliver an EBITDA of at least SEK 200 million by year-end 2030

