

Shaping the Future with Technology

Petri Toljamo, CEO
3 June 2025

Bittium

About Bittium

With 40 years of experience, we are committed to building a more secure, sustainable, and healthier future, benefiting both people and societies.

Founded in
1985

Approximately
500
employees

Net sales
85.2M€
in 2024

Listed in
Nasdaq Helsinki
BITTI

NPS score
48
in 2024

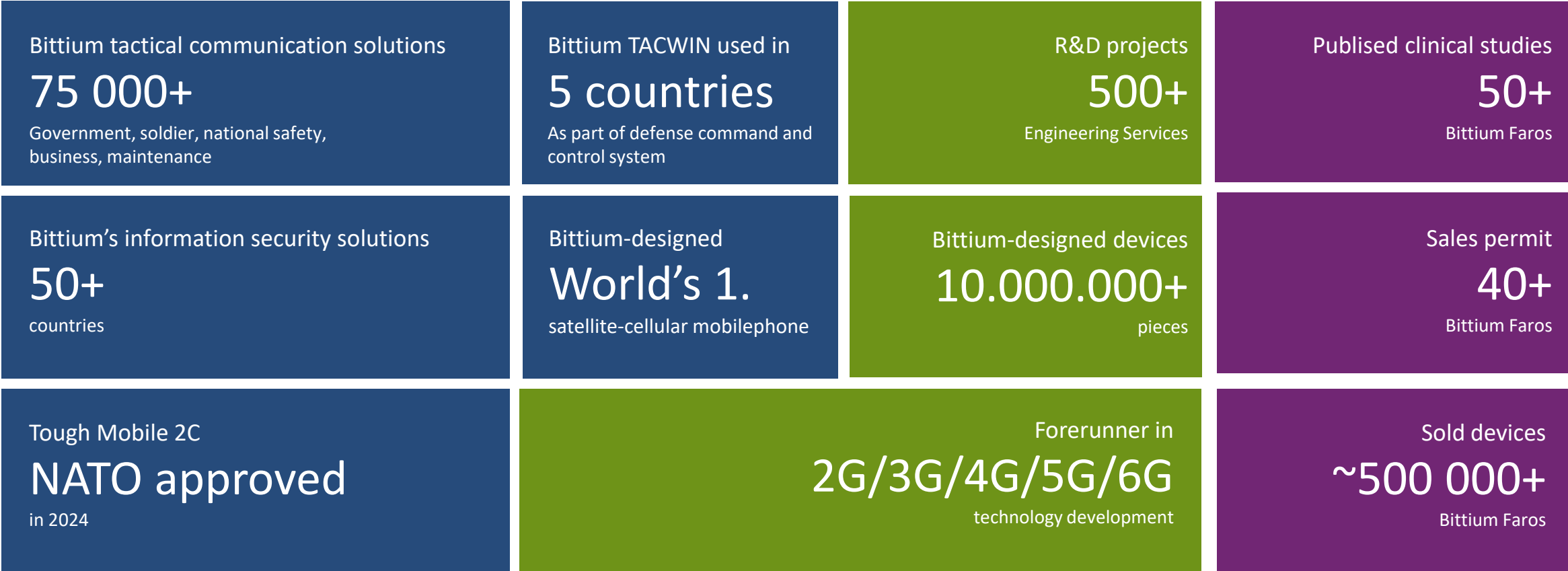
Headquarters in
Oulu
Finland

Operating result
8.6M€
in 2024

Offices in
**Finland,
Germany, USA**

R&D
investments
15.9%
of net sales

Bittium 40 Years of Innovations



We are Committed for the Future

We are committed to building a **sustainable**, **safer** and **healthier** future together with our customers.

With four decades of experience, we help our customers to succeed in an increasingly challenging digital environment.

MEDICAL



TACTICAL AND SECURITY



ENGINEERING SERVICES



Growth Strategy 2025-2027

4 Pillars of the Growth Strategy



Strengthening the leading secure embedded technology expertise as the cornerstone of the competitive advantage

1



Building up the capabilities required for sales and commercialization to enable growth

2



Strengthening the technology base by focusing R&D investments closer to customer needs

3



Ensuring the delivery capabilities to enable trust and scalability

4

Medical
Remote
Monitoring
and
Diagnostics



Innovative Technology for Better Life

40 years of expertise in biosignal processing

Advanced solutions for **ECG** and **EEG** monitoring and at **home sleep apnea testing**

Active in over 30 markets: main areas EU, North America, South Africa, Australia and the Middle East

100+ employees in Finland, Germany and USA

Bittium MedicalSuite™

Remote Monitoring
Service Platform



Bittium Respiro™

Home Sleep Apnea Testing (HSAT)
Solution



Bittium Faros™

ECG Devices for
Cardiac Monitoring



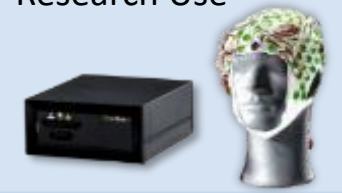
Bittium BrainStatus™

EEG Monitoring System for
ICU and ER

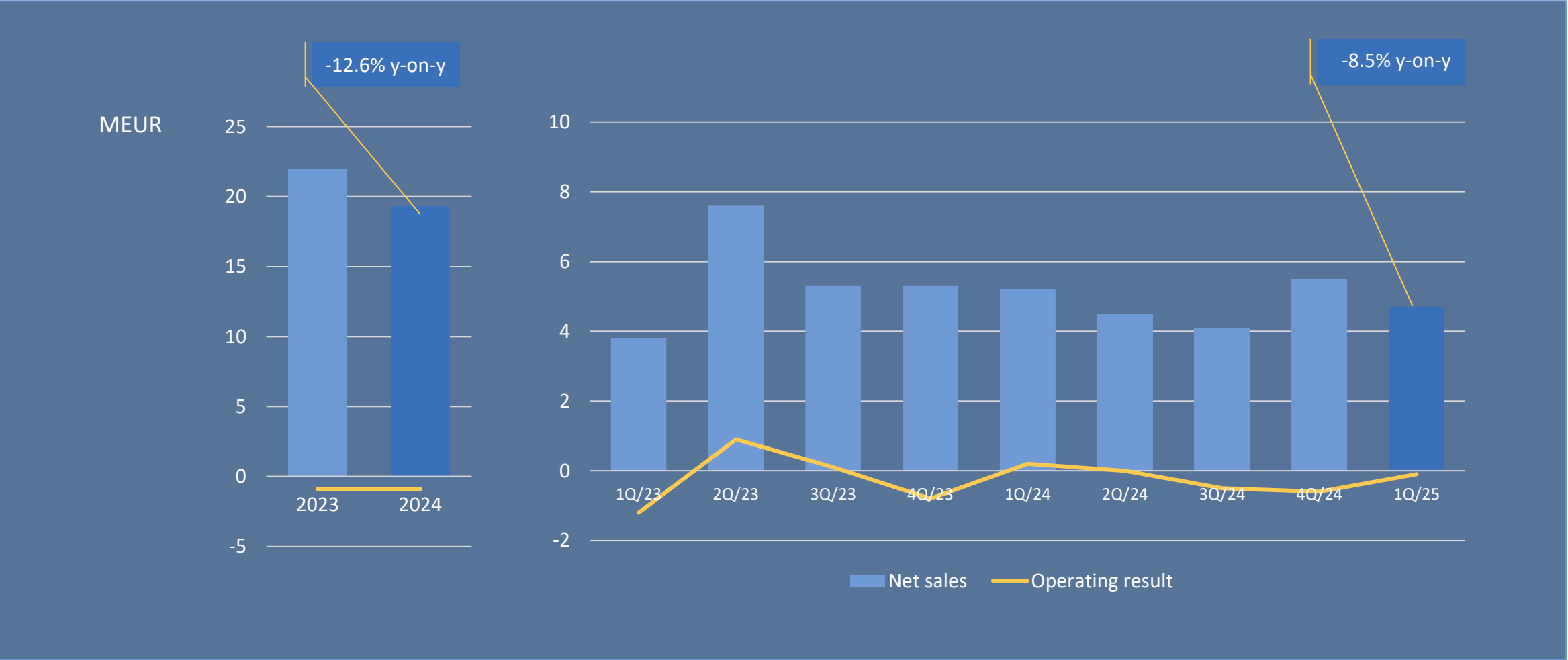


Bittium NeurOne™

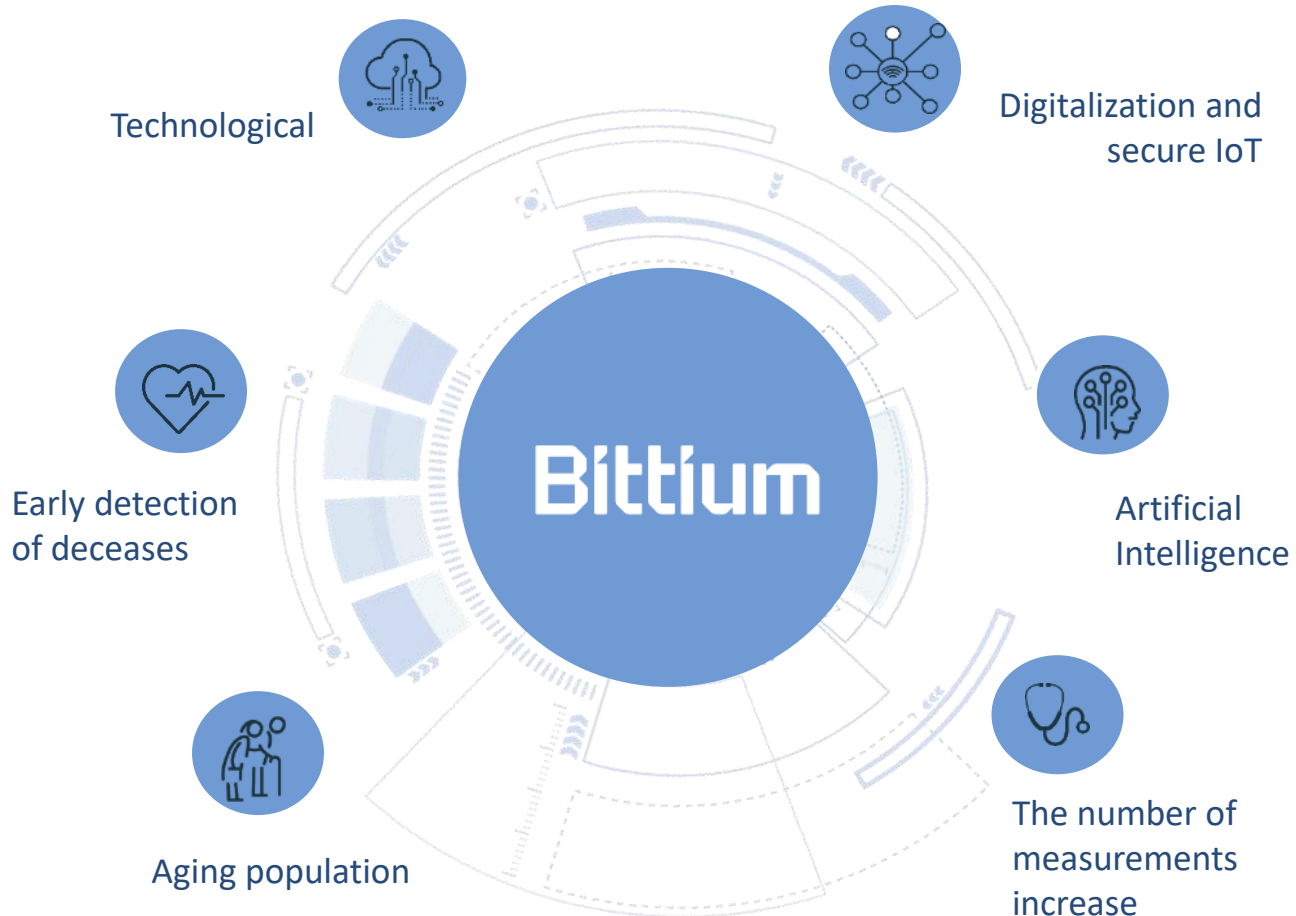
TESLA EEG System for
Research Use



Financial Performance



Growth Drivers



Bittium

The market of remote diagnostics and remote monitoring is growing

ECG devices market growth CAGR n. 8%

HSAT market growth CAGR n. 14%

EEG devices market growth CAGR n. 10%

Superior quality in biosignal technology

Bittium Faros technology being used as reference device in clinical studies

Wide network in ECG device market

Defense & Security

Seamless Communication Architecture Across the Battlefield

Superior waveform quality and secure wireless technology
with integration to military-grade hardware and software.

Seamless and Resilient Data Transfer in the Battlefield

Bittium

Bittium TAC WIN™ -
Broadband & mobile IP
network as backbone



Bittium Tough SDR™ -
next generation
tactical radios



Network and device management systems



Bittium Tough VoIP™ -
Voice over IP and
routing in tactical
networks



Tactical Waveforms

- TAC WIN
- Narrowband WF
- ESSOR HDRWF



Secure Mobile
Communication



Public Customer References

✓ Finnish Defense Forces

- Bittium's TAC WIN and Tough VoIP solutions significant part of the "M18" C5 system
- New Tough SDR radios' serial purchase has started



✓ Estonian Defense Forces

- Bittium's TAC WIN & Tough VoIP solutions significant part of the Estonian C5 system



✓ Austrian Armed Forces

- Bittium's TAC WIN and Tough VoIP solutions significant part of the Austrian Tactical Communications Network (TCN)



✓ Croatian Armed Forces

- Bittium's TAC WIN system and Tough SDR Vehicular radios accepted for armament of Croatian Armed Forces. Implementation of the products for the renewal of the command-and-control system started with Navy and Land Forces



2024

Cooperation with Global System Integrators

Lockheed Martin

- Consortium led by Bittium and Lockheed Martin jointly develop tactical networks' situational awareness with methods and capabilities for spectrum usage and cyber situational awareness. The two three-year projects started in 2024.



BAE Systems

- BAE Systems offers Bittium's tactical communication's products, services, and systems for the use by its customers both in the UK and abroad based on a Framework Agreement between the parties.



Other

- Numerous other system suppliers, especially weapons system suppliers, have adopted Bittium's tactical communication solutions for use or testing as part of their own systems.



Growth Drivers

- World's geopolitical situation has changed.
 - States have increased their defense budgets and investments.
 - Various coalitions and alliances have been strengthened (NATO, ESSOR) and are making new demands on their members.
 - Cooperation to develop future capabilities has increased (unmanned vehicles, use of 5G, automation, artificial intelligence).
- The way of warfare has changed – many countries are not equipped for modern warfare.
 - The need for situational awareness has increased and increased the need to invest in command and control through the modernization of tactical communication systems.
 - Digitalization of forces, battlefield IP.
 - Network alliances: 5G/ 6G / satellite / private / military / hybrid.
- Air defense modernization needs are emerging as a target for future development.



Market growth
14.3%
CAGR in 2025-2030

Market size
12.2 bn USD
in 2024

Co-operation projects
17
in 2024-2025

Finland's defense investments
~3% from GDP
by the year 2029

Secure Communication & Growth Drivers

- ✓ Cybersecurity, increased espionage (including by governments), and threats from quantum computing are creating demand for highly secure communication devices and software.
- ✓ The geopolitical situation is creating demand for European cybersecurity products with minimal connections to Asian technology and manufacturing.

Market size
3.4 bn USD
in 2024

Market growth
19.4%
during 2023-2032



Financial Performance





Engineering Services

Wireless Embedded Solutions

Expertise in Product Development



Engineering Services Covering Entire Product Lifecycle



PHILIPS

NOKIA

verizon

iLOQ

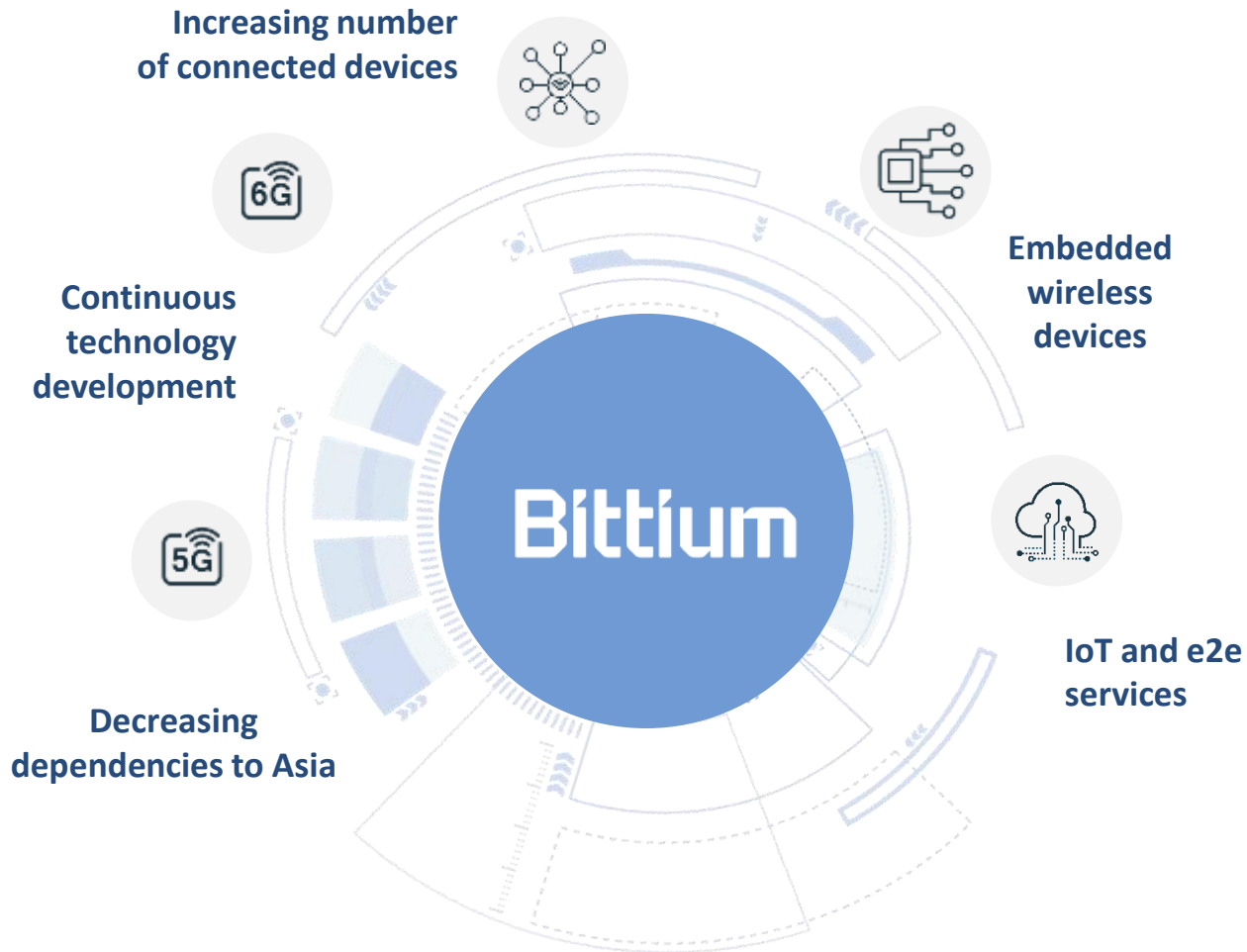
KONE



GE Healthcare



Growth Drivers



Bittium

Expertise

wireless technologies and end2end product development

Forerunner

complex entities

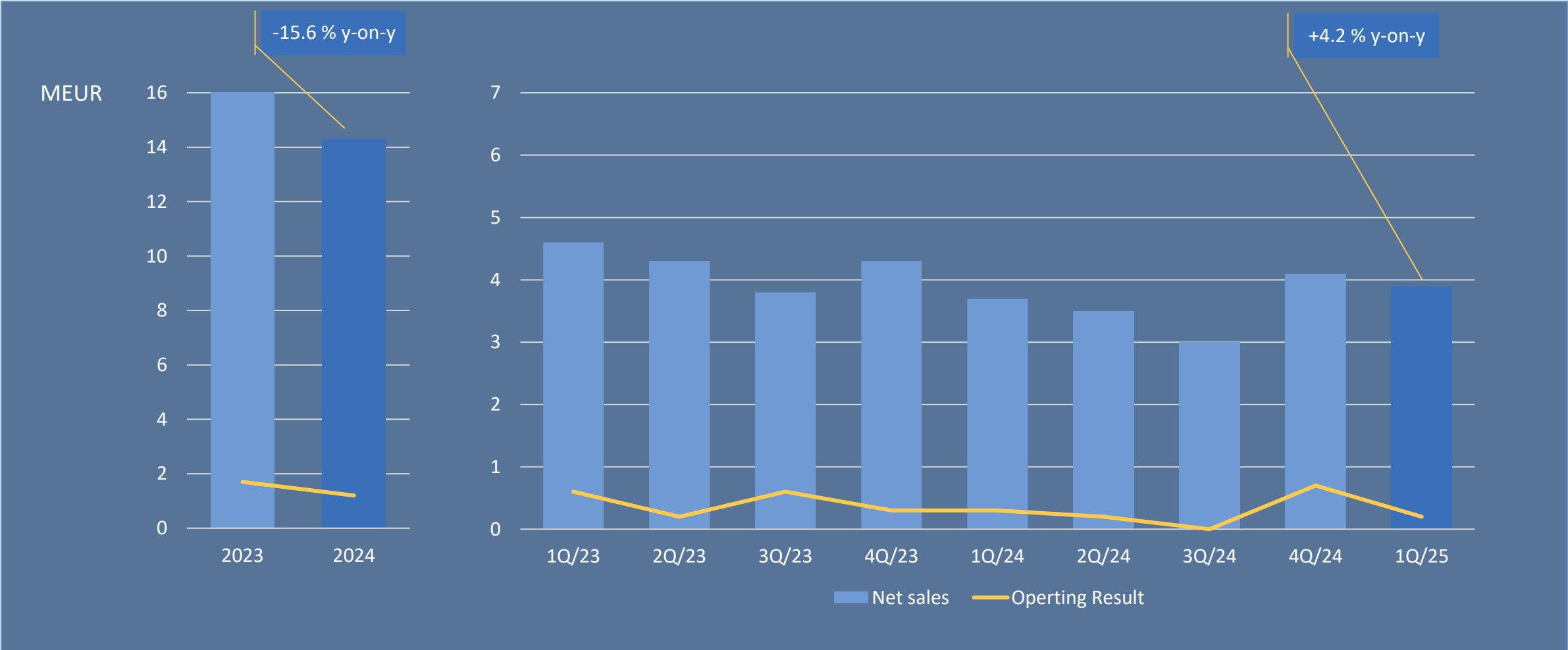
Design and Life-Cycle Services

“one-stop-shop” from concepting phase to production

Premises

secure and certified premises and labs

Financial Performance

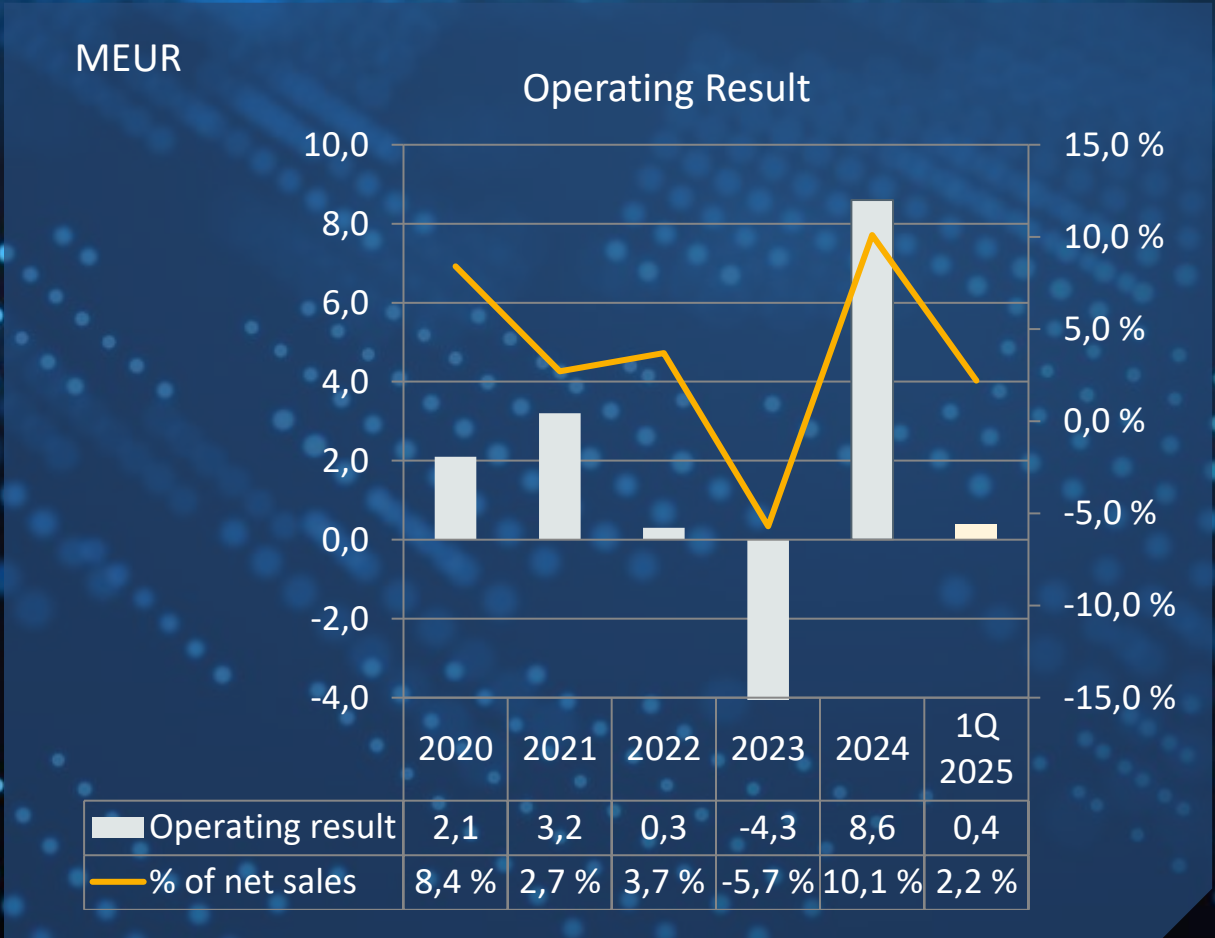
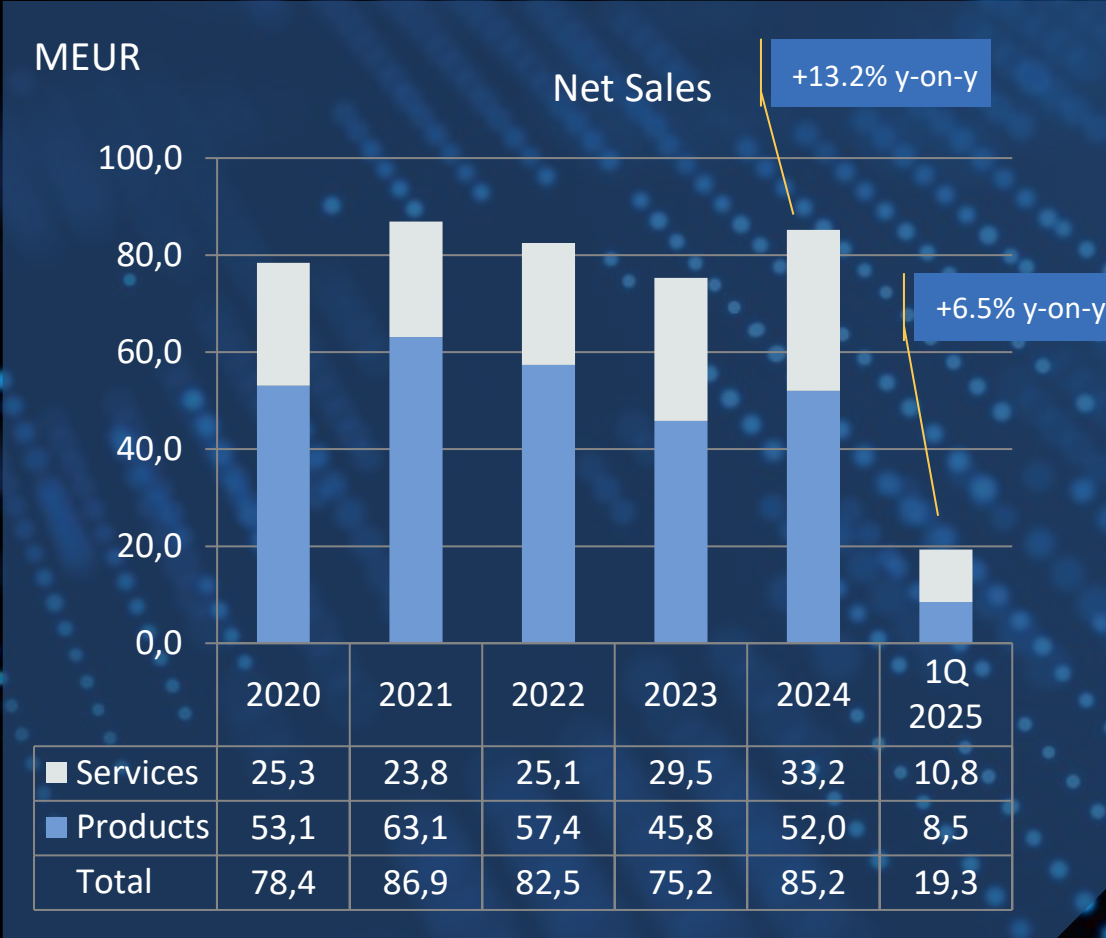


Financial Review



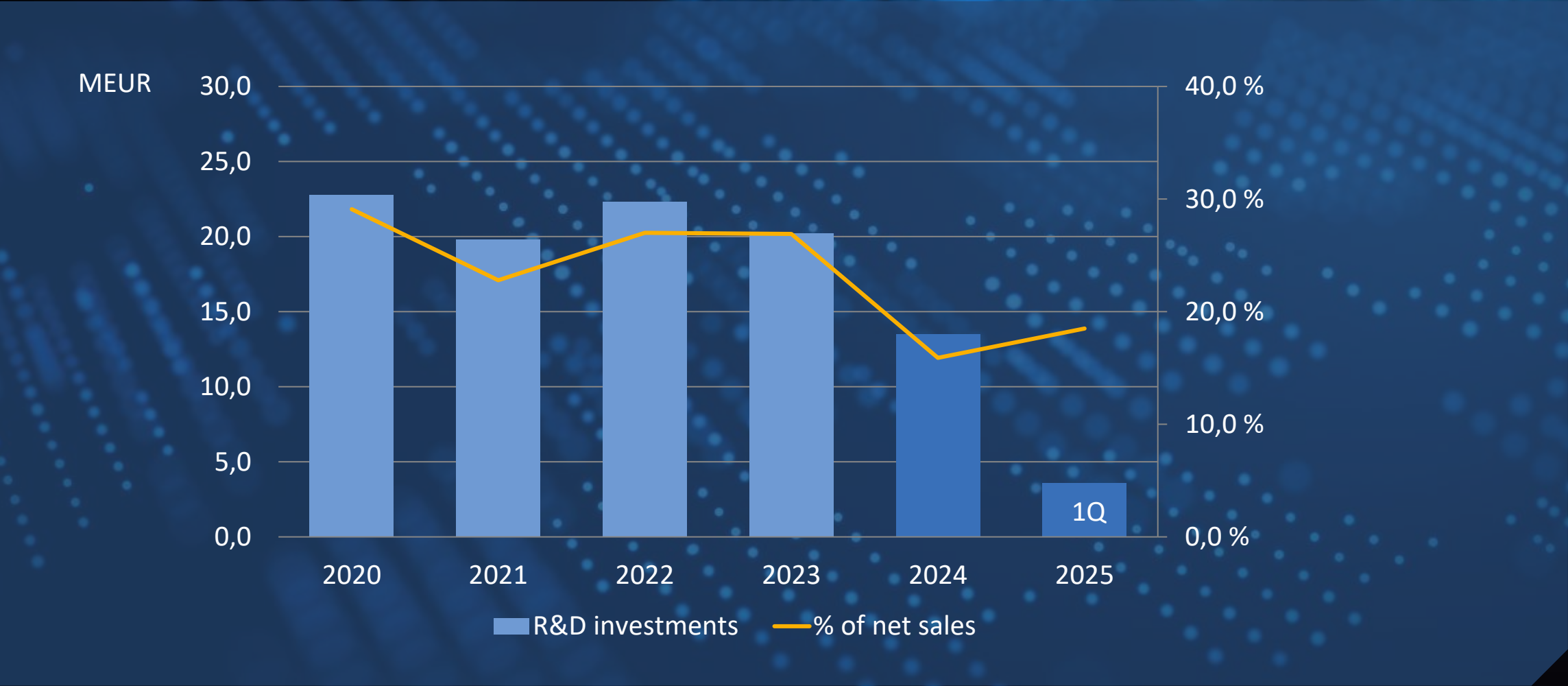
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Group Financial Development



2023 operating result was weakened by non-recurring items of EUR 3.2 million in total, including non-recurring costs of EUR 0.7 million related to change negotiations and EUR 2.5 million of non-recurring write-down of inventory.

R&D Investments



Shares and Shareholders

SHAREHOLDERS

22 853 shareholders
10 largest own 27.8 %
Foreign & nominee reg. 5.6 %

CHANGE

+3.7 %

CLOSING PRICE

31.12.20246.36€
31.12.2023.....4.81€

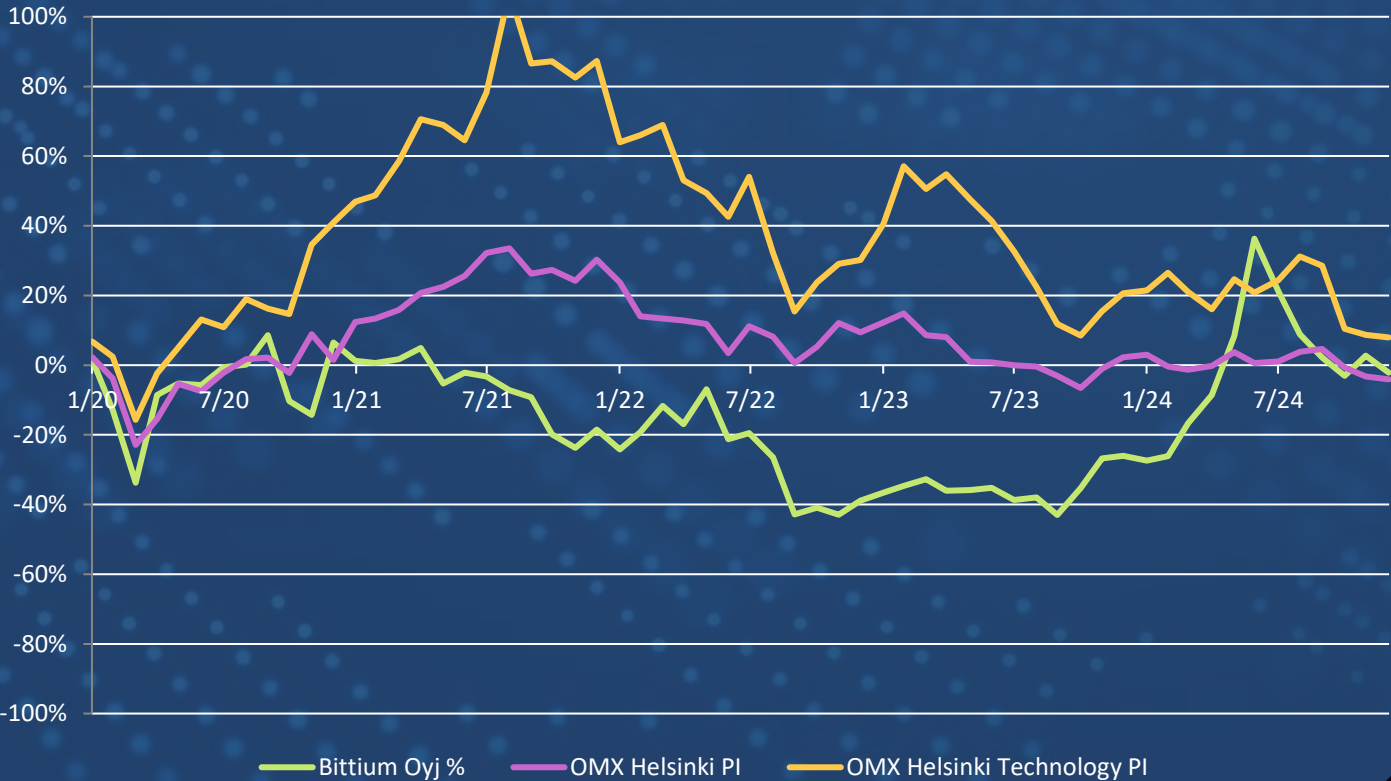
CHANGE

+32 %

DIVIDEND / SHARE

Year 20240.10€
Year 2023 (additional).....0.03€
Year 2023.....0.03€
Year 2022.....0.04€
Year 2021.....0.03€

Bittium Oyj, OMX Helsinki PI ja OMX Helsinki Technology PI change%



Financial Outlook 2025

Net Sales

Bittium expects the net sales in 2025 to be EUR 95 – 105 million
(net sales EUR 85.2 million in 2024)

Operating Result

Bittium expects the operating result in 2025 to be EUR 10 – 13 million
(EUR 8.6 million in 2024)

More Information

More information about Bittium's market outlook is presented
on the company's internet pages at www.bittium.com

Thank You!

www.bittium.com

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Bittium