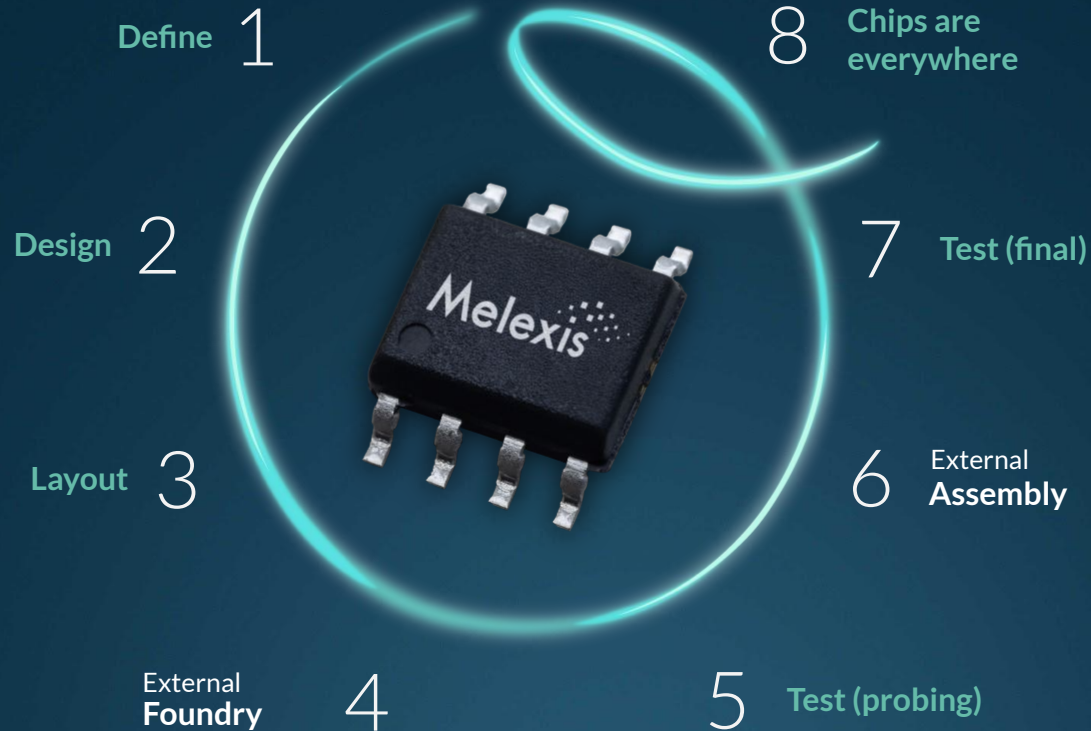


Q1 2025 Results

What do we do?

Melexis engineers microelectronic solutions. Our technology makes cars and other products smarter, safer and greener. Our sensors capture data from the analog world and comprehend these data digitally. Our drivers make sure customers can bring their products to life.

From idea to product



Markets

AUTOMOTIVE



ROBOTICS



DIGITAL
HEALTH



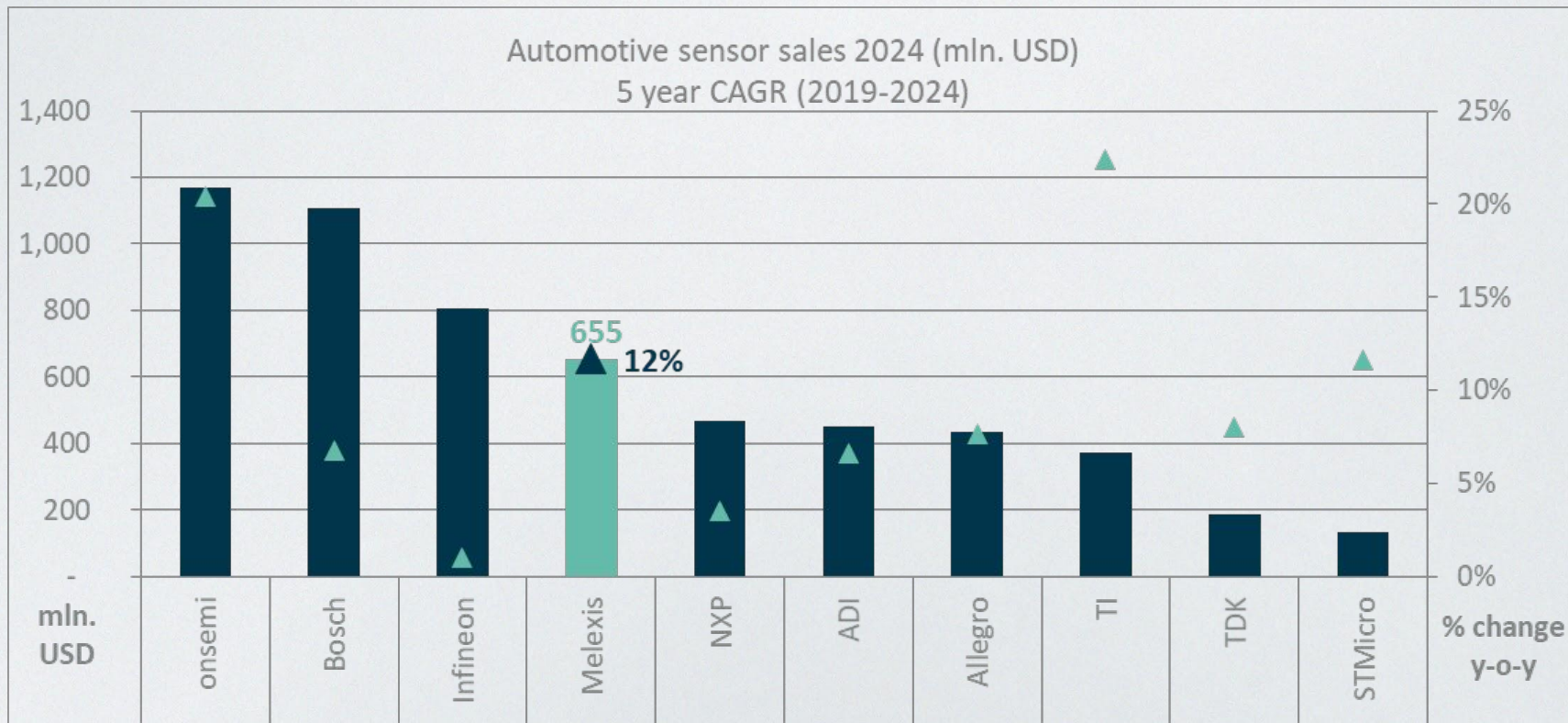
ALTERNATIVE
MOBILITY



SUSTAINABLE
WORLD



Melexis ranks 4th worldwide in automotive sensors



Growth trajectory

Melexis target 2024-2030

AUTOMOTIVE SALES*

≥ 10 %
CAGR


BEYOND AUTOMOTIVE SALES

≥ 15 %
CAGR

*ASSUMPTION: 0% GROWTH FOR THE GLOBAL VEHICLE PRODUCTION

- EV powertrain
- EV thermal management
- EV battery
- E-braking & E-steering
- Lighting
- Alternative mobility
- Sustainable world
- Robotics
- Digital health

GROWTH DRIVERS



3 continents
20 locations

Sales & Applications

Belgium – Ieper, Tessenderlo
Greater China – Shanghai, Shenzhen, Taipei
France – Sophia Antipolis, Paris
Germany – Erfurt, Dresden
Japan – Yokohama
South Korea – Seoul
Switzerland – Bevaix
United States – Novi
United States – San Jose

Manufacturing

Belgium – Ieper
Bulgaria – Sofia
France – Corbeil-Essonnes
Germany – Erfurt
Malaysia – Kuching

Research & Development

Belgium – Ieper, Tessenderlo
Bulgaria – Sofia
France – Sophia Antipolis, Paris
Germany – Erfurt, Dresden, Düsseldorf
Malaysia – Kuching
Philippines – Manila
Switzerland – Bevaix
Ukraine – Kyiv

Major automotive trends

Electrification

- EV powertrain
- Thermal management
- Battery

Premiumization

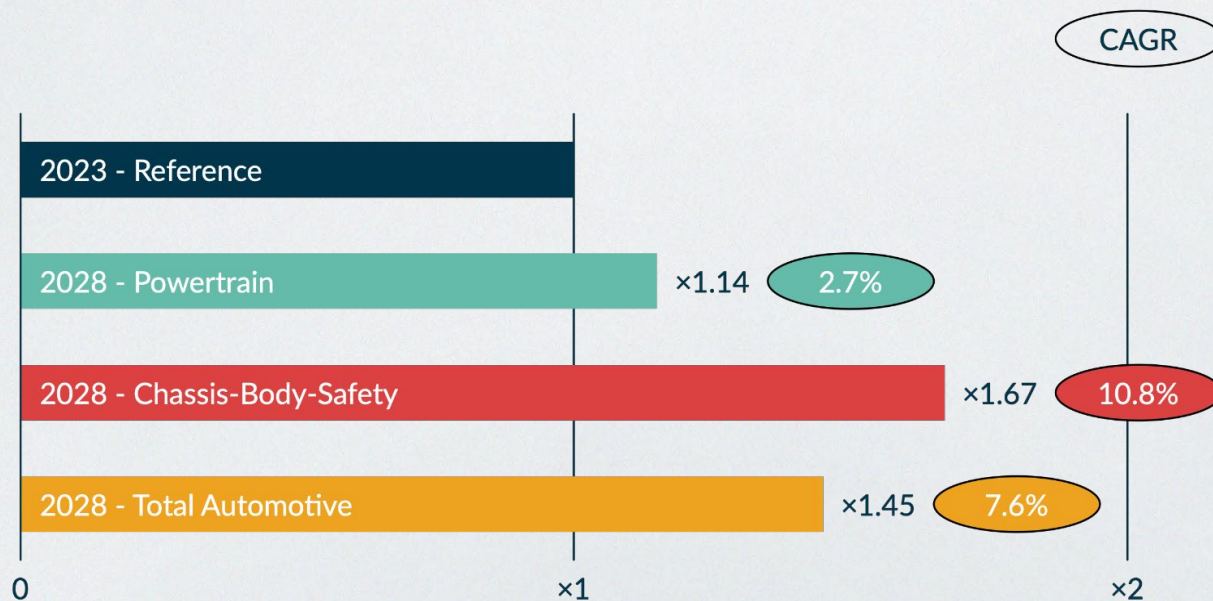
- Interior and exterior lighting
- Motors (seat, window, HVAC, grille shutter)

ADAS

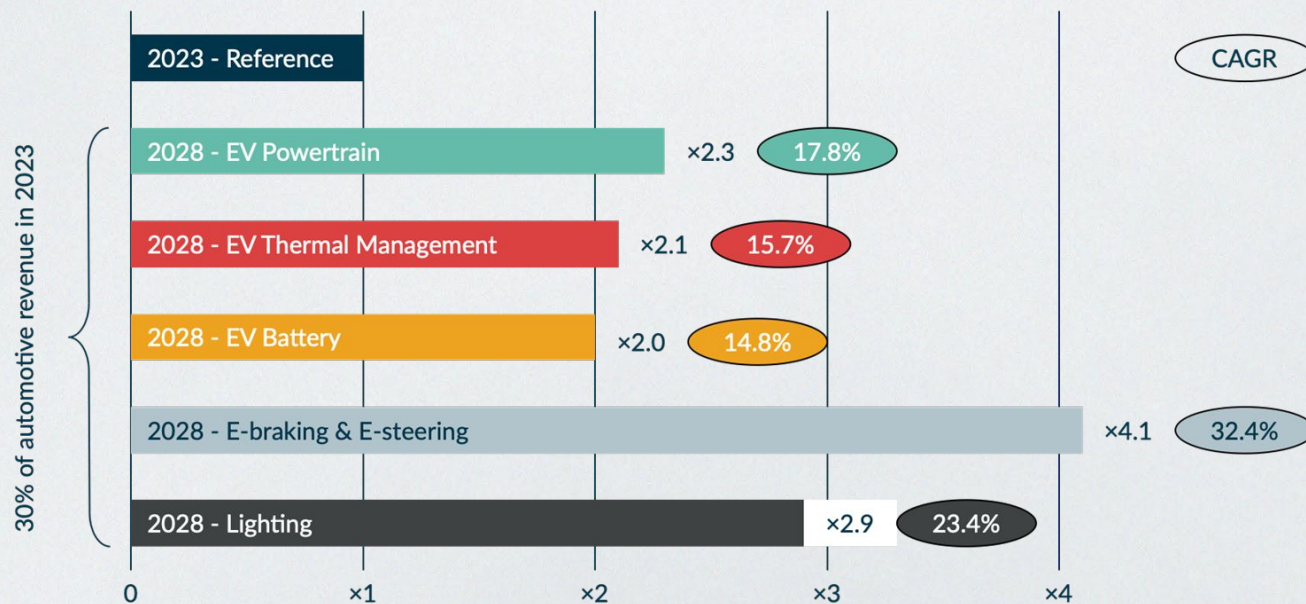
- E-braking and E-steering
- Dynamic lighting
- Time-of flight
- TPMS

Melexis has a well diversified portfolio, limiting its dependency on the type of powertrain.

Serviceable addressable market (in EUR)

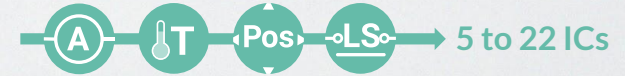
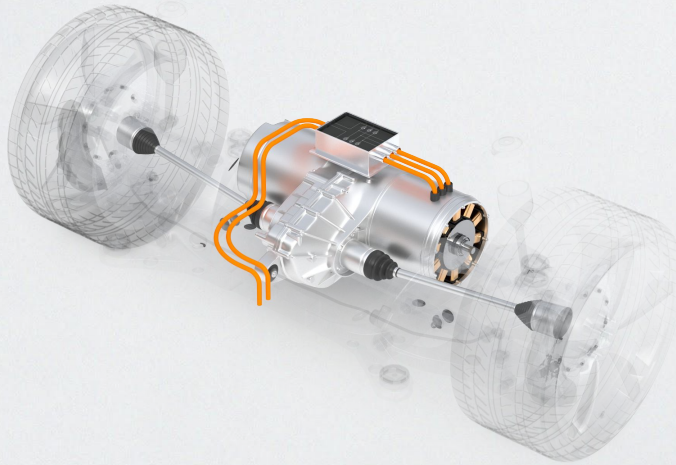


Serviceable addressable market (in EUR)



EV POWERTRAIN

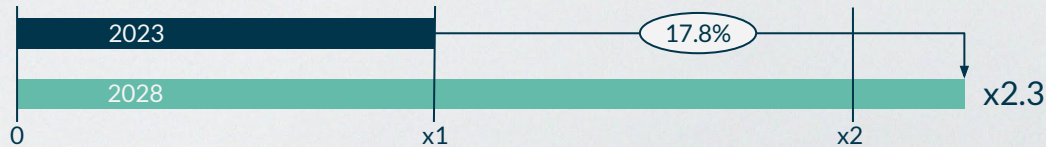
Efficiency matters



In electric vehicles, the inverter converts DC power from the battery to AC power for the motor drive, which in turn transforms it into propulsion power. The efficiency of this system has a direct impact on the all-electric range, road performance and comfort.

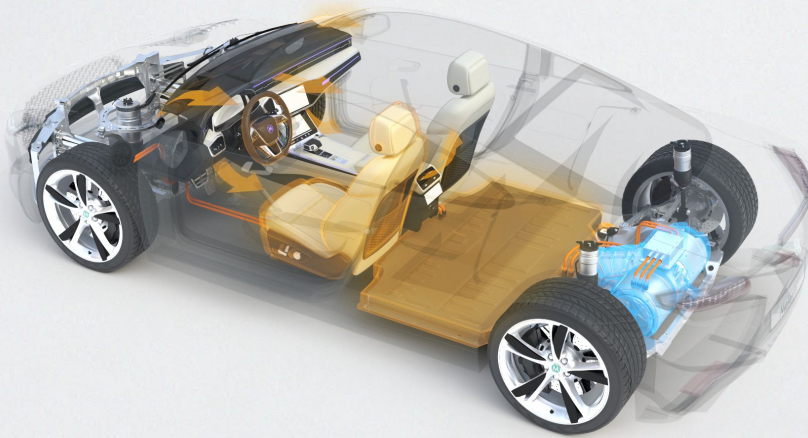
- AC phase current monitoring
- Rotor position sensing
- Power module temperature monitoring
- Safety cover open/close detection
- Power module signal filtering (snubber)

Serviceable Addressable Market



EV THERMAL MANAGEMENT

Optimizing energy consumption



In order to optimize energy while increasing the All Electric Range, a perfect thermal management system is key. Ideal performance of the battery requires a temperature between 20-40°C. Without the free heat of a classical ICE, the energy for heating & cooling the cabin needs to be optimized.

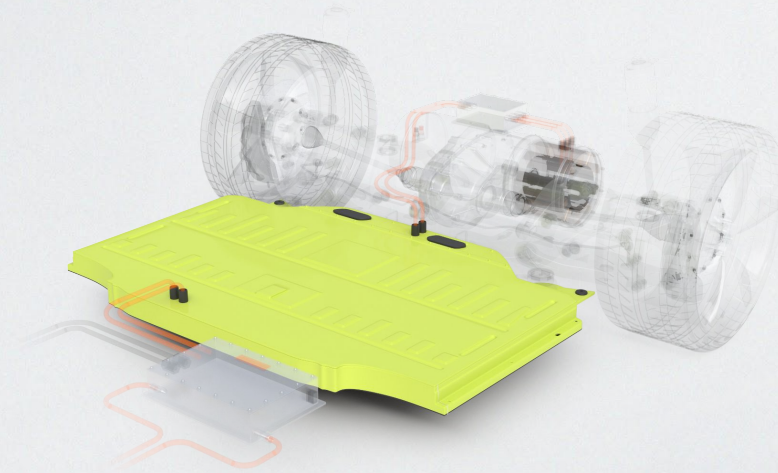
- Pressure monitoring
- Temperature monitoring
- Current consumption monitoring
- E-compressor current sensing
- Fast charge current monitoring
- Valve & pump positioning & controlling
- Refrigerant pressure sensing (Triphibian)

Serviceable Addressable Market



EV BATTERY

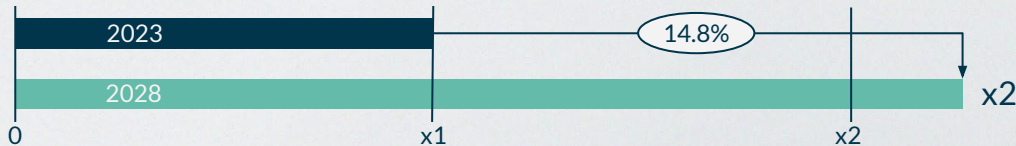
Extending battery range, life and safety



The high voltage battery stores electrical energy which powers the electric motor. It determines the range the vehicle can travel on a single charge. Its optimization is a game changer. Battery management systems ensure the safety and the longevity of the battery.

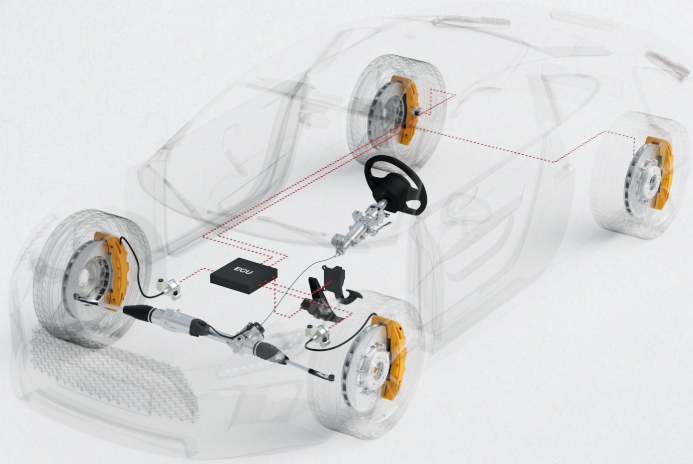
- Current monitoring
- Pressure monitoring
- Temperature monitoring
- Impedance sensing
- Thermal runaway detection

Serviceable Addressable Market



E-BRAKING & E-STEERING

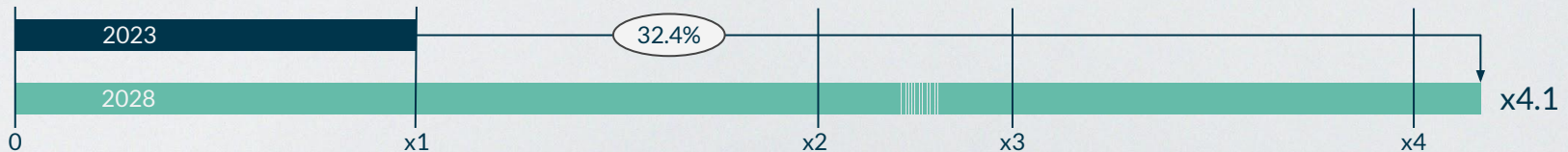
Higher safety level for (autonomous) cars



In the world of automotive innovation, sensor ICs act as the silent heroes, enabling precise control, responsiveness, reliability and safety. These technical marvels drive us on the journey from pumps & vacuum (mechanical) to the X-by-wire revolution (electronic).

- E-steering wheel angle position & torque sensing
- E-steering rack position sensing
- E-brake pedal position sensing
- E-brake caliper position & force sensing
- Rotor positioning for electric motors
- Park lock motor positioning & controlling
- Fluid level sensing

Serviceable Addressable Market



INTERIOR & EXTERIOR LIGHTING

Functionality, personalization and premiumization

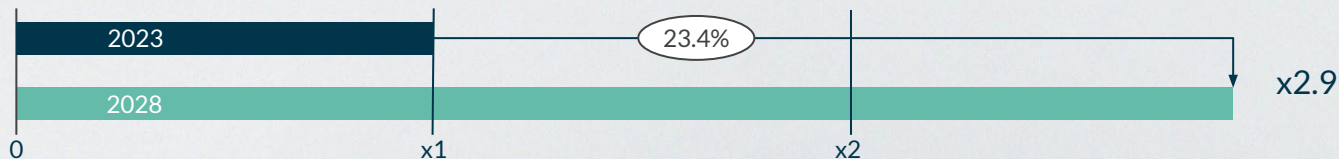
RGB → 10 to 150 ICs



Lighting is upgrading the interior and exterior of our cars. It brings comfort, safety and functionality. Lighting is the new differentiator for OEMs as well as for brand recognition.

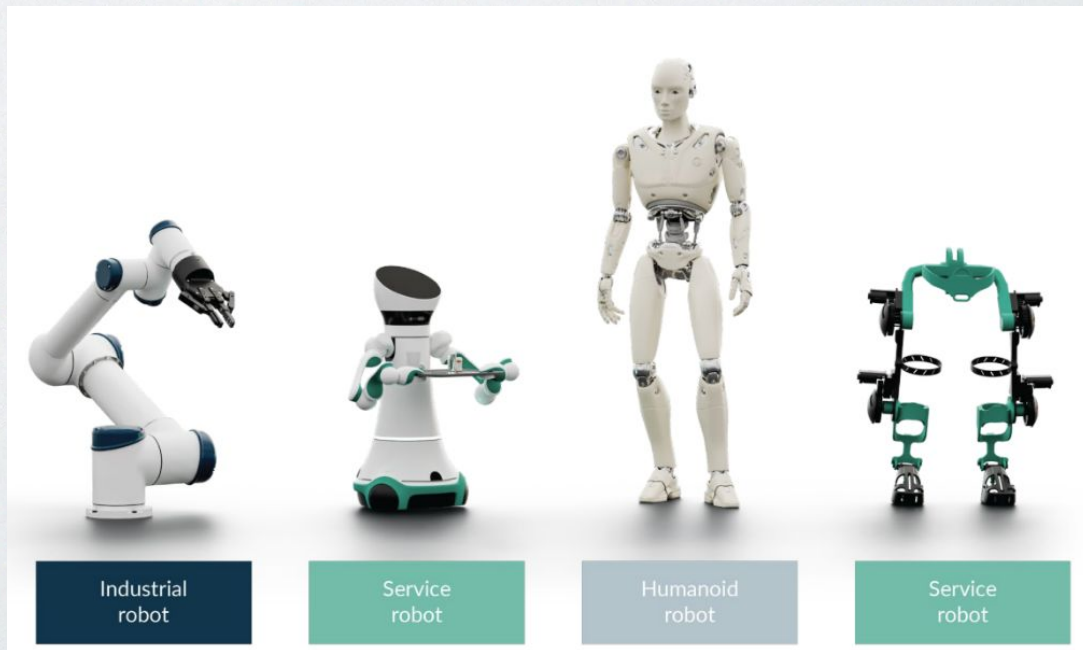
- Interior ambient lighting
- Animated lighting
- Logo & grille illumination
- Daytime running light
- Rear lighting

Serviceable Addressable Market



Robotics require many sensors and drivers

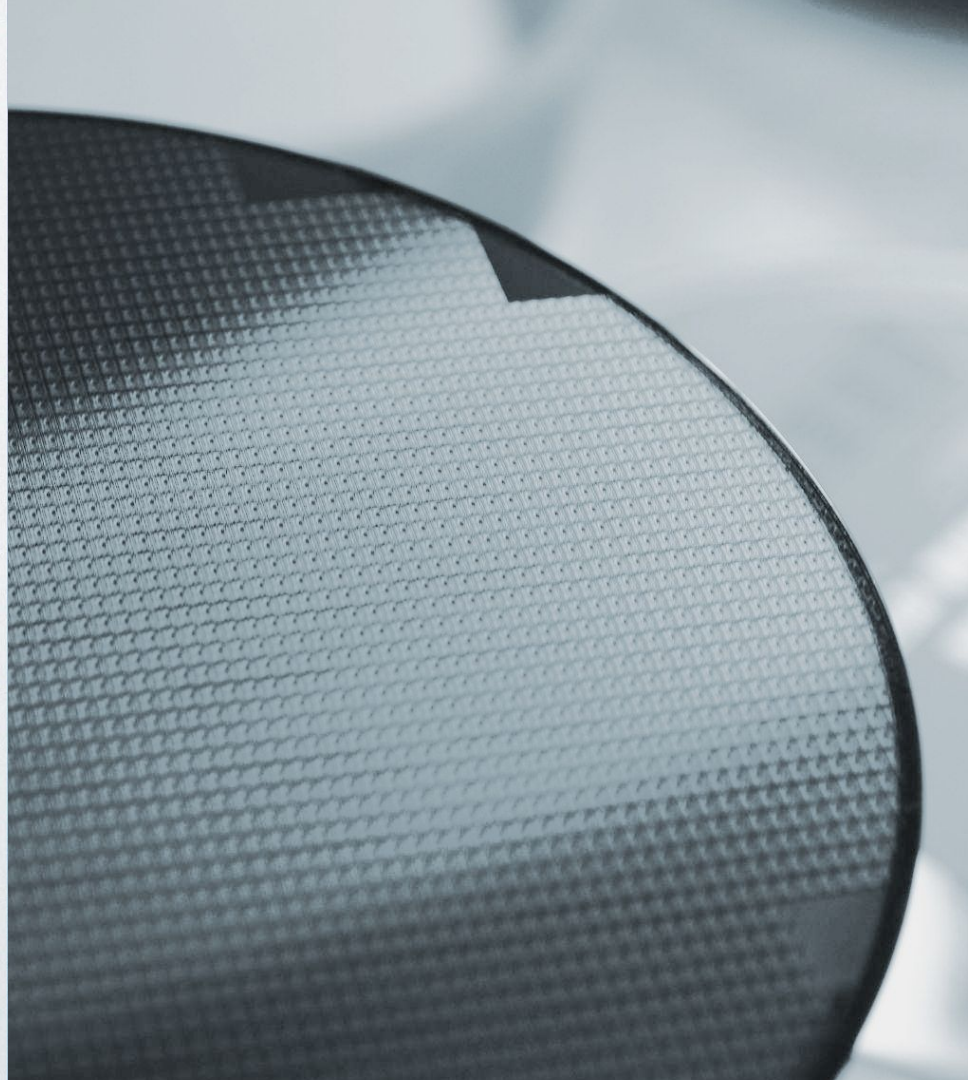
- **Joints**
 - Position sensors
 - Compact Motor drivers
 - Torque sensors
- **Battery management**
 - Thermal sensing
 - Current sensing
- **Power train (2-, 3-, 4-wheels)**
 - Motor drivers
- **End effectors**
 - Force sensors
 - Thermal sensors
- **Environment sensing**
 - Thermal sensors
- **Complex embedded SW (Edge AI)**



End-to-end China Strategy

端到端的中国战略

- Local outsourced semiconductor assembly and test (OSAT) partner
外包半导体封装测试合作伙伴
- Chinese semiconductor wafer fabrication partner
中国晶圆制造合作伙伴
- Locally embedded logistics hub
本地物流中心



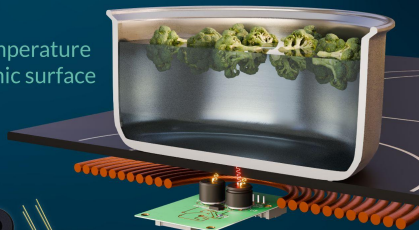
Melexis is at the forefront of innovation

TEMPERATURE SENSOR ICs

Measure cookware temperature through cooktop ceramic surface

MLX90617

- Look through ceramic surface
- Contactless
- Factory-calibrated



MAGNETIC POSITION SENSOR ICs

Consistency with legacy MLX90364 for hybrid cars

MLX90425 DMP

- Consistency with MLX90364
- Stray field immunity
- 360° rotary
- ASIL B (D)



throttle



thermal valve



SMART LED DRIVER ICs
MLX80142

- Ready to use RGB LED driver for high-speed animation
- Suitable for Software-Defined Vehicle (SDV)
- Supports PCB-less technologies
- Optimized for space-critical application

CURRENT SENSOR ICs

Non-intrusive IMC-Hall® <100 A



MLX91218 Low Field

- High sensitivity (600 mV/mT)
- Dual over current detection (OCD)
- Supporting systems with high surge current



Evolution Financials 2001-2025

Turnover

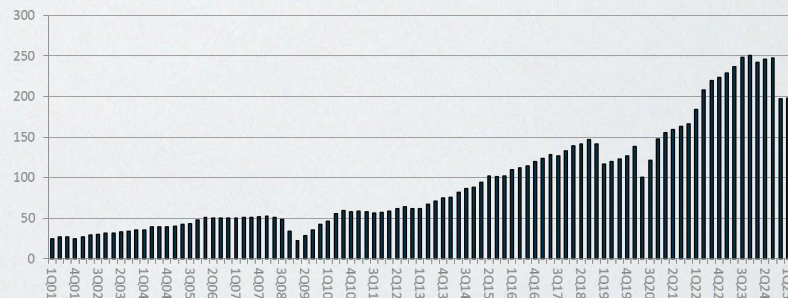
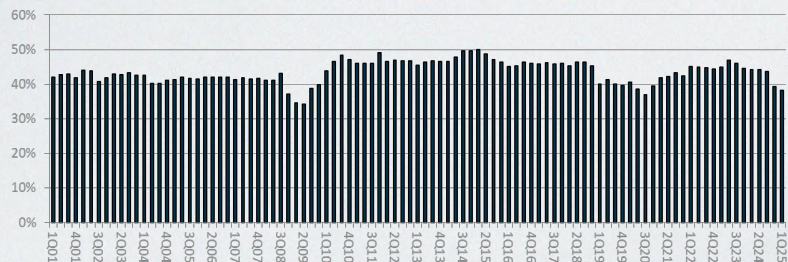
Q1 2025: 198.2 mIn EUR

FY 2024: 932.8 mIn EUR

Gross result

Q1 2025: 75.7 mIn EUR (38.2%)

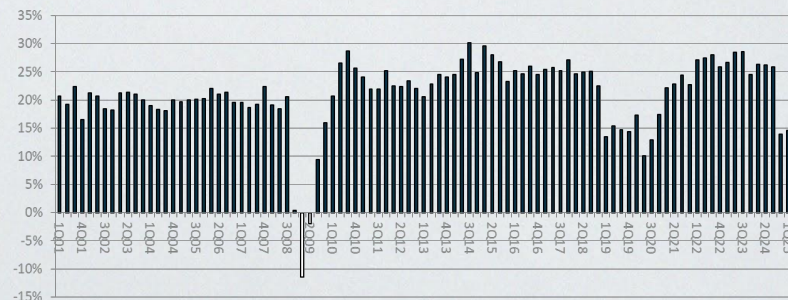
FY 2024: 401.4 mIn EUR (43.0%)



Operating result

Q1 2025: 29.0 mIn EUR (14.6%)

FY 2024: 219.9 mIn EUR (23.6%)



Q1 2025 results at a glance

Sales 198.2 mln EUR -18% Y-o-Y	Gross margin 38.2% 75.7 mln EUR -29% Y-o-Y	Operating result 14.6% 29.0 mln EUR -55% Y-o-Y
Net result 0.61 EPS 24.6 mln EUR -54% Y-o-Y	Operating cash flow (before working capital changes) 40.7 mln EUR -46% Y-o-Y	Net debt 182.8 mln EUR

Outlook

Despite a weaker EUR/USD exchange rate of 1.09 (previously 1.03), Melexis confirms its outlook for sales to be around 400 million EUR for the first half of 2025. For the same reason, Melexis now expects a gross profit margin around 39% (previously around 40%) and an operating margin around 15% (previously around 16%) for the first half of 2025. For the full year 2025, Melexis expects CAPEX to be around 50 million EUR.

Profit & loss

Q1 2025 versus Q1 2024 versus Q4 2024

P&L account (in million EUR)		Q1 2025	% of Sales	Q1 2024	% of Sales	Q4 2024	% of Sales
Sales		198.2	100.0%	241.8	100.0%	197.4	100.0%
	Cost of goods sold	-122.6	-61.8%	-135.0	-55.8%	-119.8	-60.7%
Gross margin		75.7	38.2%	106.8	44.2%	77.6	39.3%
	R&D	-28.4	-14.3%	-26.9	-11.1%	-30.2	-15.3%
	G&A	-13.5	-6.8%	-11.5	-4.8%	-14.2	-7.2%
	Selling	-4.8	-2.4%	-4.6	-1.9%	-5.6	-2.8%
EBIT		29.0	14.6%	63.7	26.4%	27.6	14.0%
	Net financial result	-0.5	-0.2%	-1.4	-0.6%	-8.1	-4.1%
	Income taxes	-3.9	-2.0%	-9.4	-3.9%	-1.2	-0.6%
Net profit		24.6	12.4%	52.9	21.9%	18.3	9.3%
Earnings per share		0.61		1.31		0.45	

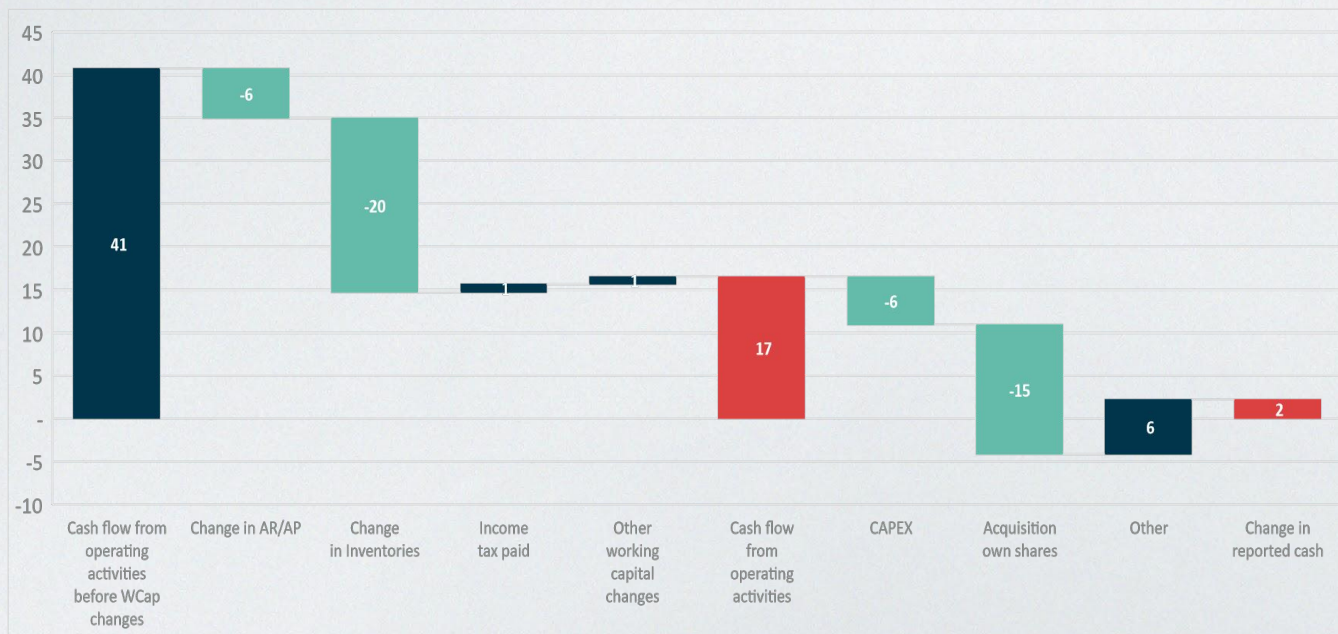
Balance Sheet

Q1 2025 versus Q1 2024 versus Q4 2024

Balance Sheet (in million EUR)	Q1 2025	Q1 2024	Q4 2024
Total assets	904.9	893.6	894.3
Current assets			
Cash	34.8	35.7	32.7
Inventory	281.8	257.7	262.8
A/R Trade	101.6	117.2	102.2
Non-current assets	396.2	436.1	421.7
Shareholders' equity	576.2	602.0	567.5
Interest bearing debt	217.7	173.5	213.3
Long term	205.4	173.5	207.5
Short term	12.3	0.0	5.8

Q1 2025 cash flow

Mln. EUR

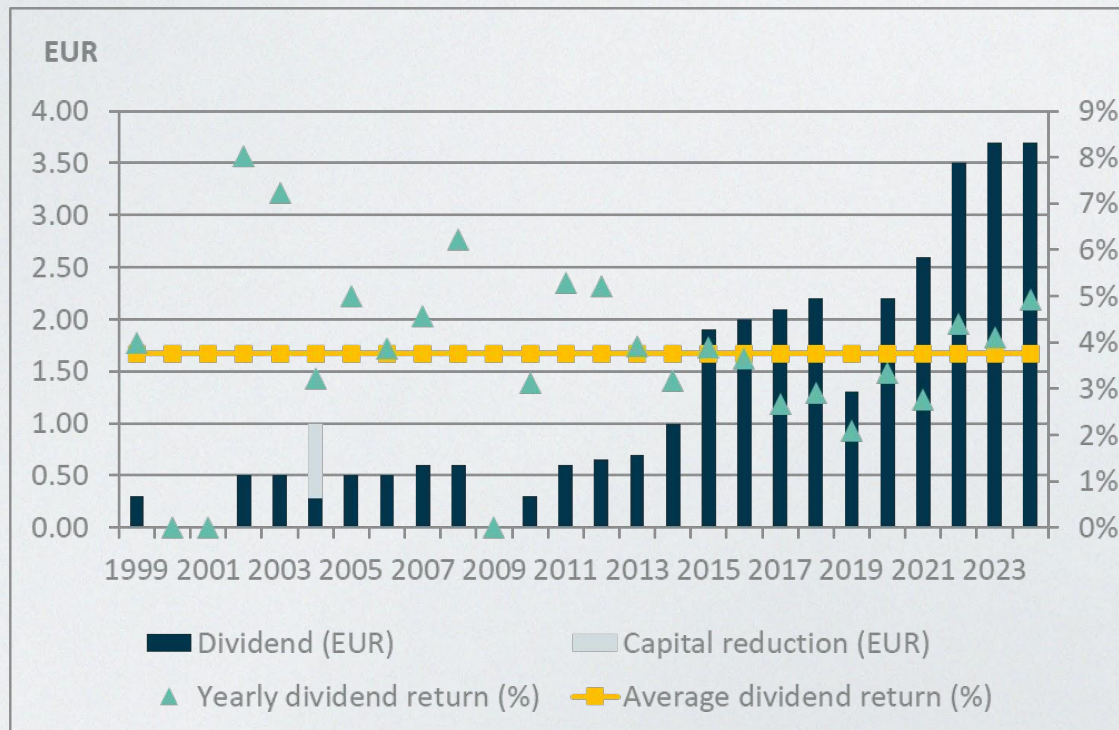


Free cash flow of
11 mln EUR

15 mln EUR own
shares bought

Cash return to shareholders

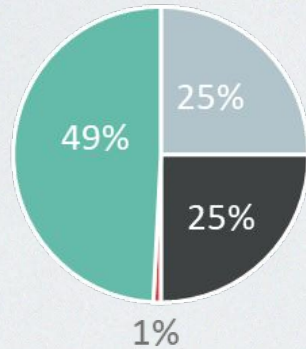
Yield based on average share price



- Solid dividend yield and long track record
- Share buy-back program for up to 850 thousand shares for an amount of up to EUR 50 million initiated in December 2024

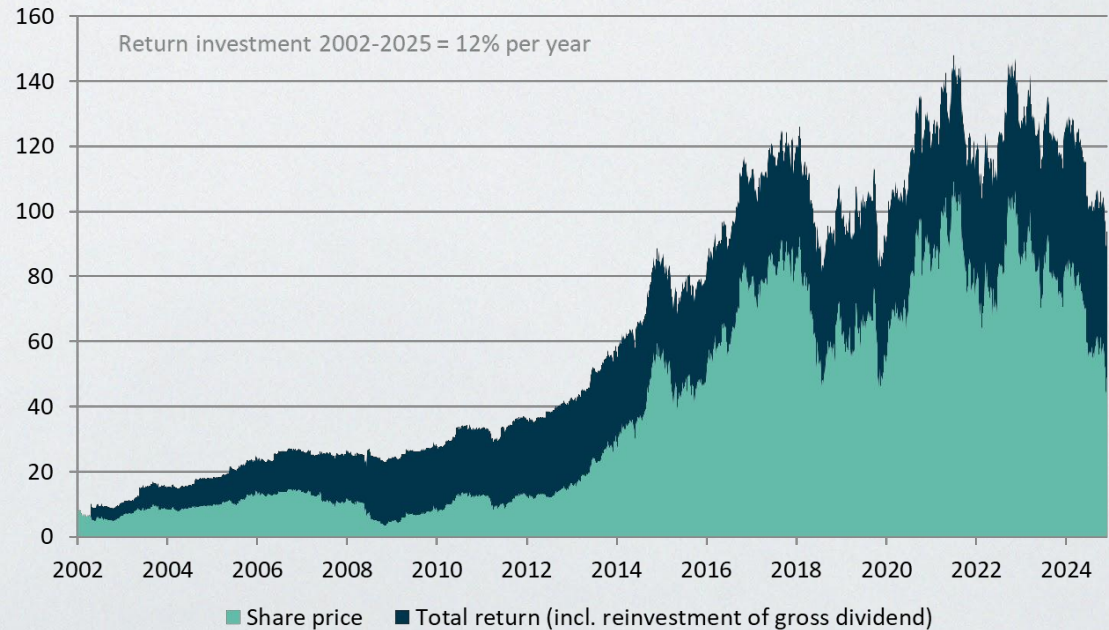
Shareholder structure and shareholder return

Shareholder structure on
31 March 2025



■ Elex NV ■ Sensinnovat BV ■ Treasury Shares ■ Public

Shareholder Return
2002-2025



INDUSTRY FIRST

1996

Programmable linear Hall sensor



2001

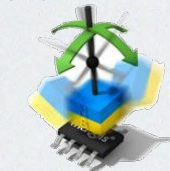
LIN system basis chip

2004

Single chip smart LIN

2005

Triaxis® magnetic sensor



2007

Integrated infrared thermometer (FIR)

2010

Single chip sensor-less BLDC motor drive solution

2011

- Fully integrated passive entry automotive qualified NFC
- 3D camera sensor

2012



- Single chip LIN RGB driver
- SENT pressure sensor
- 16x4 infrared array

2013

- Programmable Hall sensor for high performance current sensing
- End-of-line programmable Hall latches

2014



- WPC & NFC automotive solution
- Programmable 2-wire Hall sensor with integrated capacitor
- Triaxis® micropower magnetometer for automotive
- Time-of-flight 3D camera IC

2015

Thermocouple Interface with on-board diagnostic featuring SENT

2016

- Smallest Tire Pressure Monitoring Sensor (TPMS) IC
- Far Infrared Thermal (IR) sensor array

2017

- Time-of-flight chipset
- Dual die L&S sensor

2018

- ASIL ready Triaxis® Position sensor IC
- Hall-effect current sensors

2019



- Automotive grade single-chip VGA time-of-flight sensor
- Miniature medical grade infrared temperature sensor

2020

Multi-channel RGB-LED driver enabling high-speed light animations (MeLiBu®)

2021

Synthesize inductive resolver

2022



- Tactaxis™ gives robot a sense of touch
- Revolutionary floating switch
- Pico-resolver
- Most accurate automotive pressure sensor IC ever made
- Dual quadrature outputs L&S
- Triaxis® PCB-less dual stack dies

2023

- First contactless temperature to be integrated in a smartwatch.
- Accurate Hall-Effect DC current sensor IC

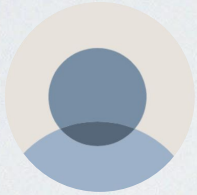
2024

- Triphibian MEMS pressure sensor for gas and liquid media from 2 to 70 bar
- Induxis® inductive switch with integrated coils

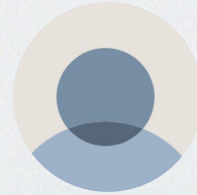
2025

- Automotive driver supporting up to 500 RGB LEDs (MeLiBu®) allowing more differentiated offerings

Melexis Investor Relations



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