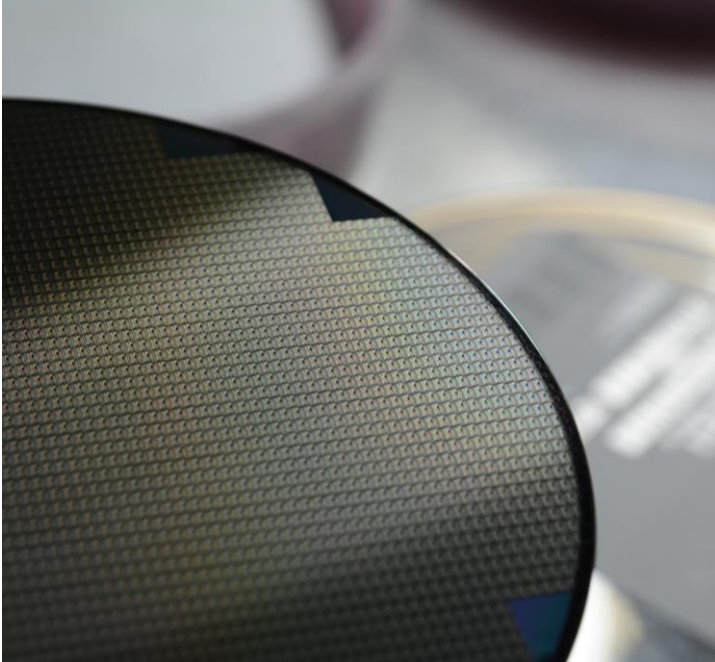


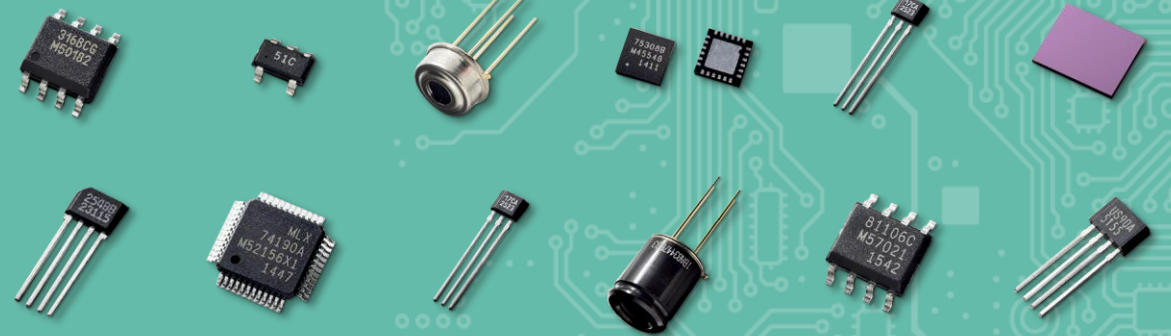


Presentation results Q2 2022

What do we do?



We create innovative micro-electronic solutions for the best imaginable future



Common denominator: sensing & driving is everywhere



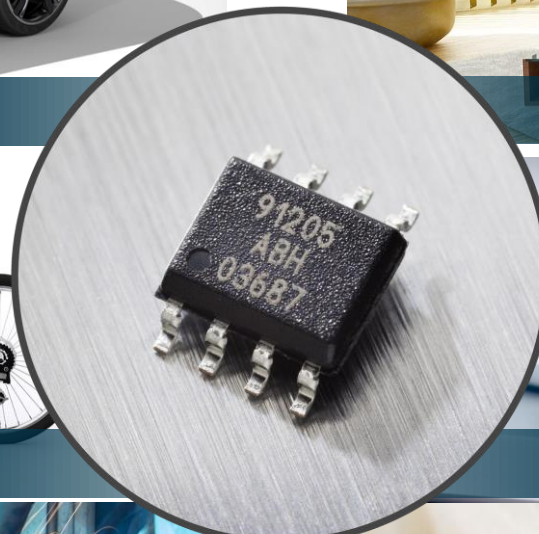
Automotive



Home



Motorcycles and e-bikes



Consumer

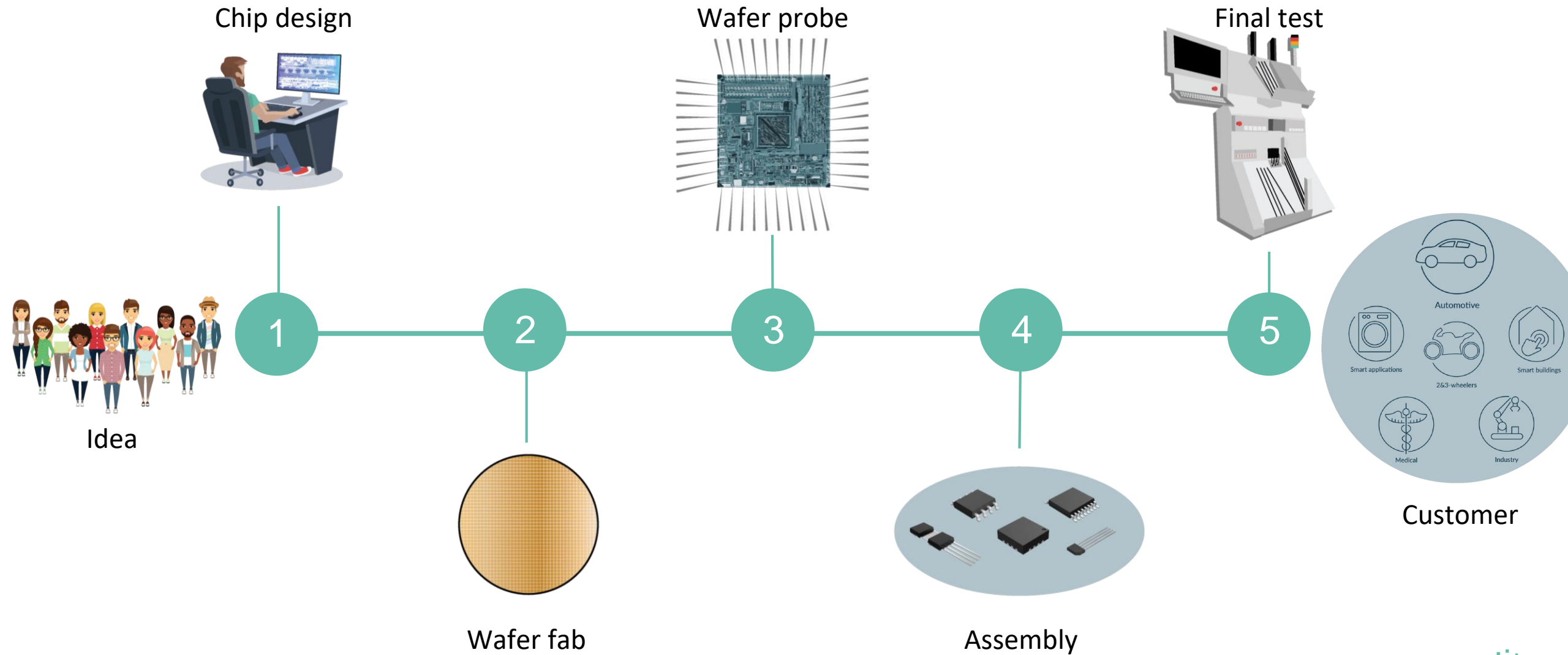


Industry



Healthcare

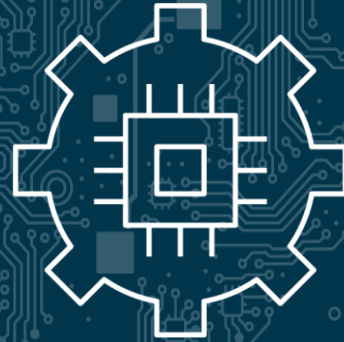
Process flow



Melexis strategy



Focus on
innovation in
automotive and
adjacent
markets



Leadership in
*sensing and
driving solutions*
to our
customers'
advantage



Organic growth,
selective
acquisitions

Approximately 1500 people on 3 continents



Sales & Applications

- Belgium – Ieper, Tessenderlo
- Greater China – Shanghai, Shenzhen
- France – Grasse, Paris
- Germany – Erfurt, Dresden
- Japan – Yokohama
- USA – Detroit, San Jose
- South Korea – Seoul
- Switzerland - Bevaix



Manufacturing

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



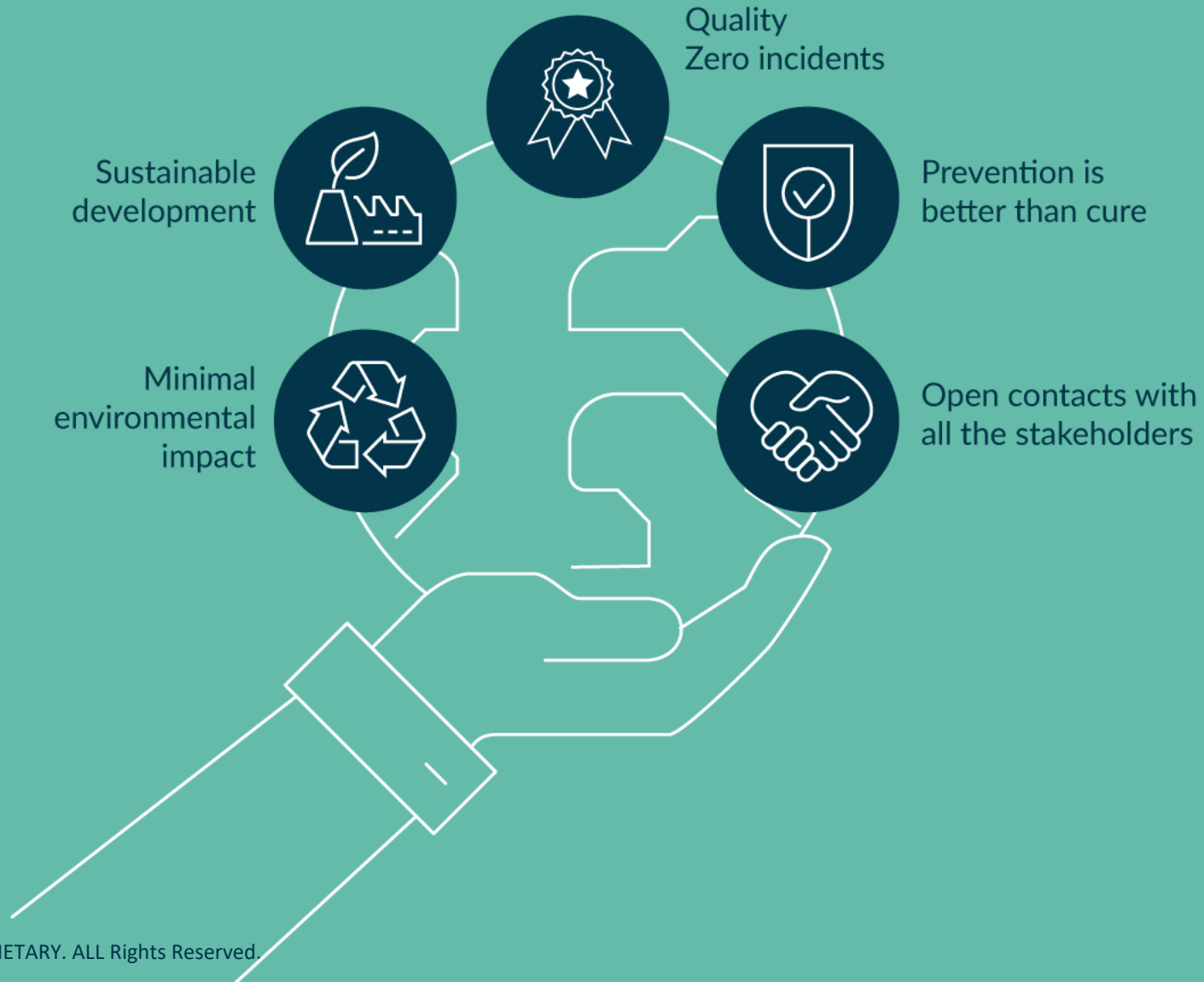
Research & Development

- Belgium – Ieper, Tessenderlo
- Philippines – Manila
- Bulgaria – Sofia
- Switzerland - Bevaix
- France – Grasse, Paris
- Ukraine – Kiev
- Germany – Erfurt, Dresden, Düsseldorf

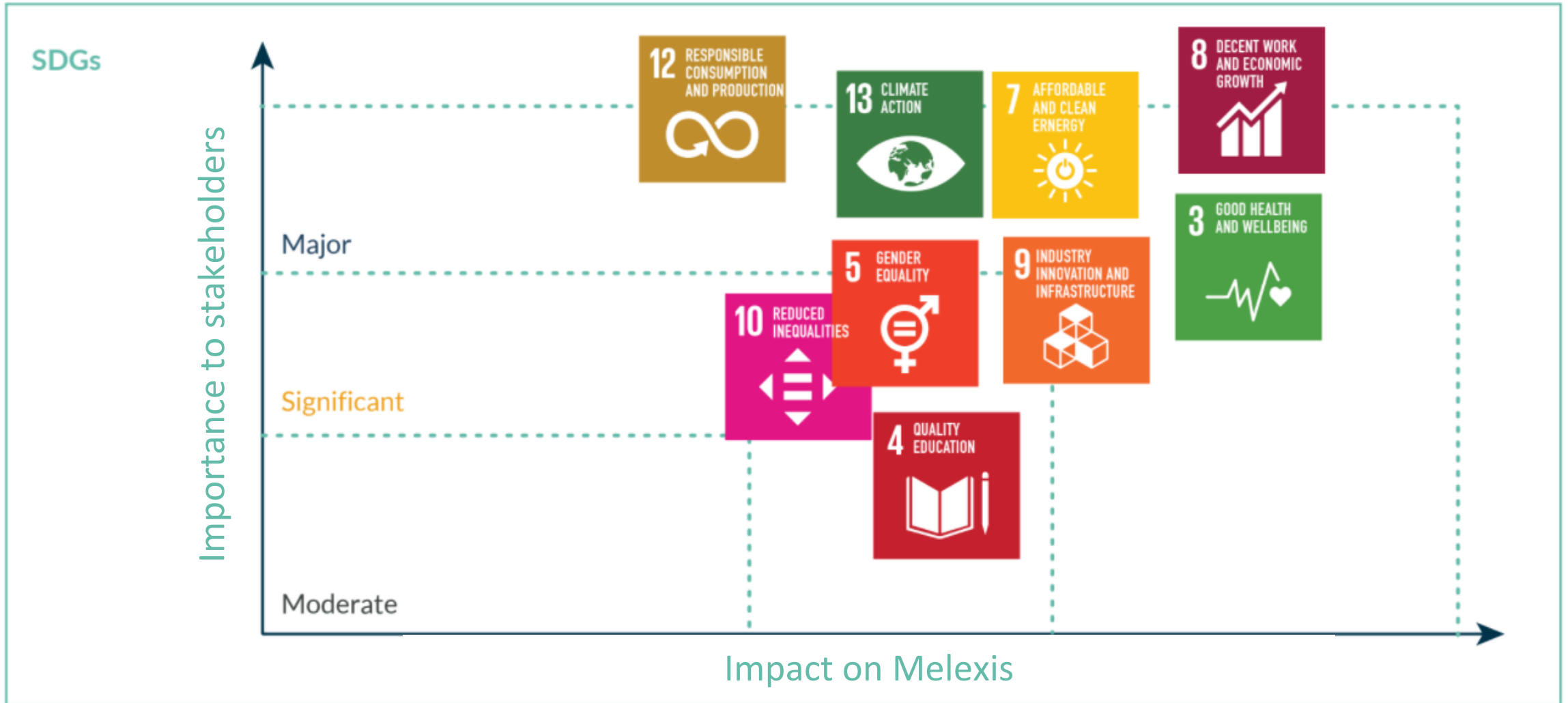


SUSTAINABILITY AT HEART

Our environmental policy is based on five principles



Sustainable Development Goals (SDGs)



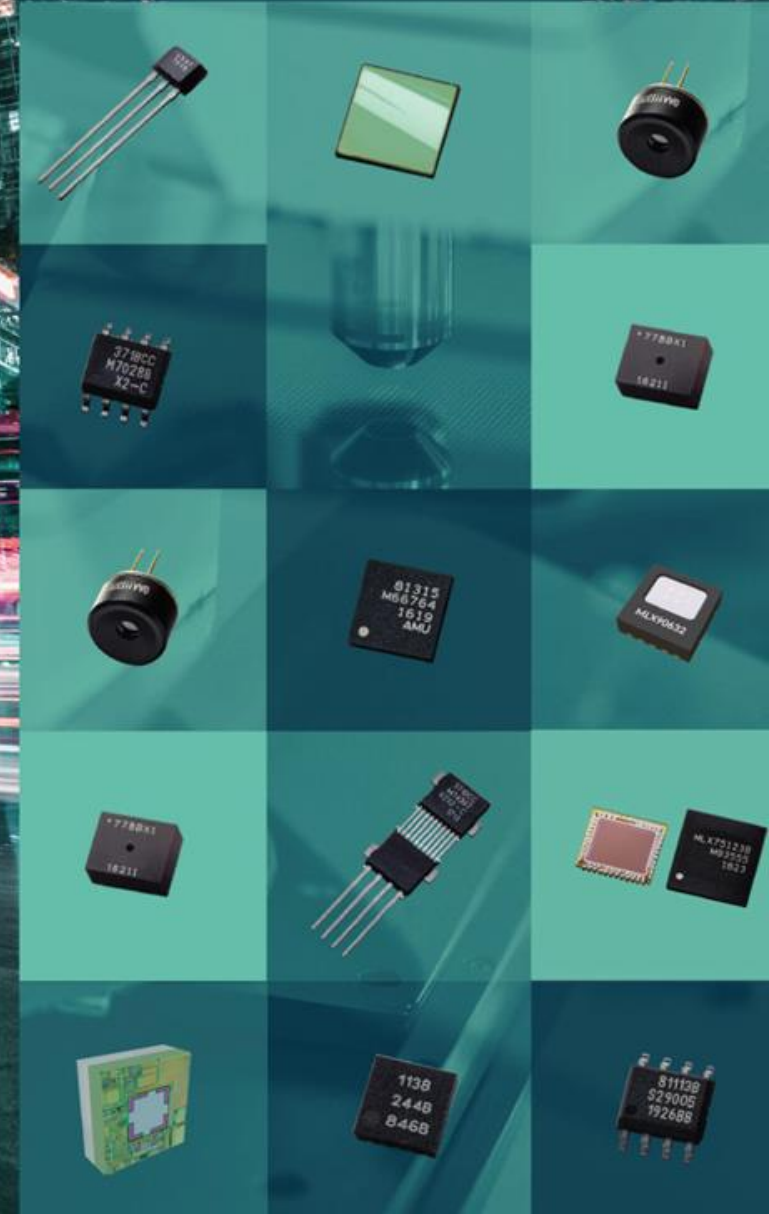
Melexis supplied > 1.7 billion ICs worldwide in 2021



- Magnetic position sensors • Pressure sensors
- Inductive position sensors • Tire monitoring sensors
- Current sensors • Temperature sensors
- Latch & switch • Optical sensors
- Embedded drivers • Sensor interfaces
- Smart drivers • Embedded lighting



MELEXIS ICs SHAPE THE FUTURE



MELEXIS ICs SHAPE THE FUTURE



PLANET



ELECTRIFICATION



MICRO MOBILITY



THERMAL MANAGEMENT



MELEXIS ICs SHAPE THE FUTURE



PEOPLE

USER EXPERIENCE

SAFETY

HEALTH



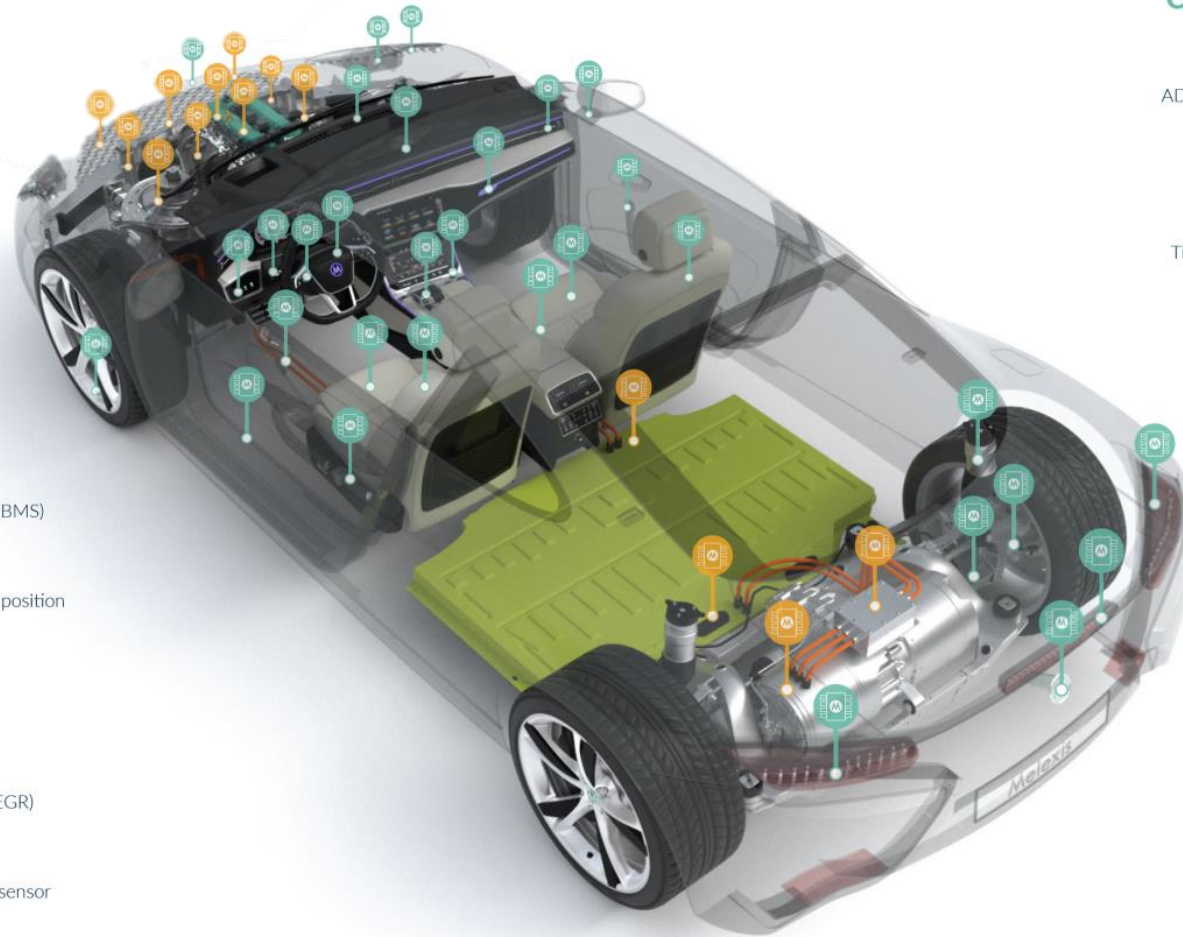
18 chips in every new car *

* Melexis shipped on average 18 ICs per car produced worldwide



Powertrain

- Traction inverter
- Battery Monitoring System (BMS)
- DCDC converter
- Thermal management
- Onboard charger (OBC)
- Accelerator / brake / clutch position
- Brake fluid level detection
- Transmission
- Clutch switch
- Gear shift
- Engine cooling fan
- Water pump
- Water valves
- Grille shutter
- Exhaust Gas Recirculation (EGR)
- Valve exhaust gas pressure
- Throttle
- Crankshaft position
- Manifold absolute pressure sensor
- Fuel pump
- Fuel level



Chassis - body - safety



- In-cabin monitoring & gesture control
- Driver Monitoring (DMS)
- ADAS / Dashboard GPU cooling
- Washing
- Liquid level detection
- Wiper
- Rain-light sensor
- Hood lock switch
- LED headlight ventilation fan
- LED and laser headlight control
- Tire Pressure Monitoring System (TPMS)
- Smart Tire Sensor
- Ride height
- Electrical Power Steering (EPS)
- Brake light switch
- Turn signals / stalk-end position
- Electric parking brake
- Flap position detection
- Climate control / HVAC
- Seat heating and ventilation
- Seat belt buckle
- Seat position adjuster
- Seat lumbar pressure
- Seat occupant detection
- Keyless entry
- Door lock switch
- Door handle wake up switch
- Side mirror adjuster
- Window lift
- Sunroof
- In-vehicle networking
- Interior ambient lighting
- Interior animated lighting
- Puddle lights
- Stop lights
- Rear lights
- Tailgate/trunk motor opener
- Trunk lock switch



Applications containing Melexis ICs

Disclaimer: Please note this list is not exhaustive and only includes some of the most common applications containing Melexis ICs.

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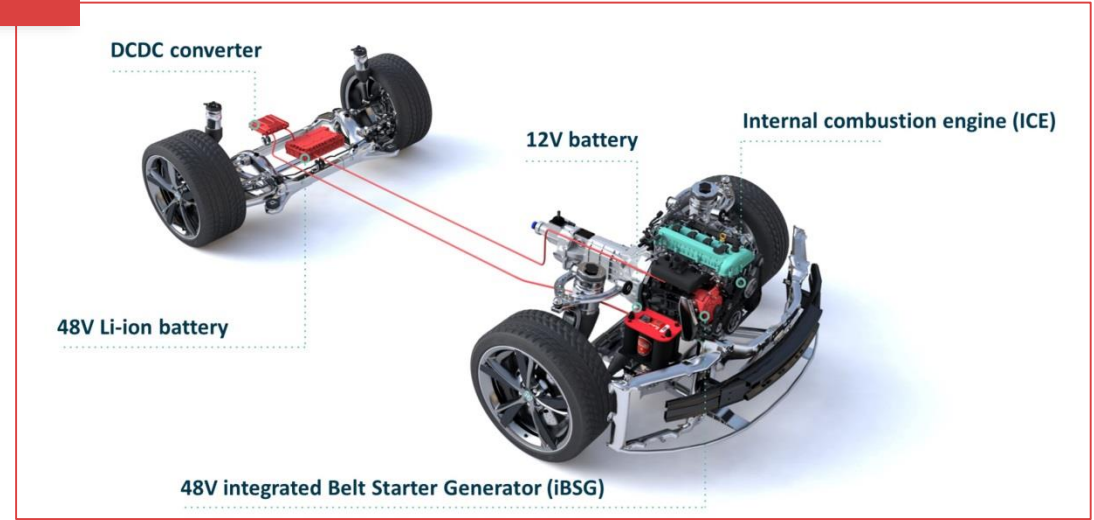
Automotive - From 10 to 20 (ICs/car) – How?



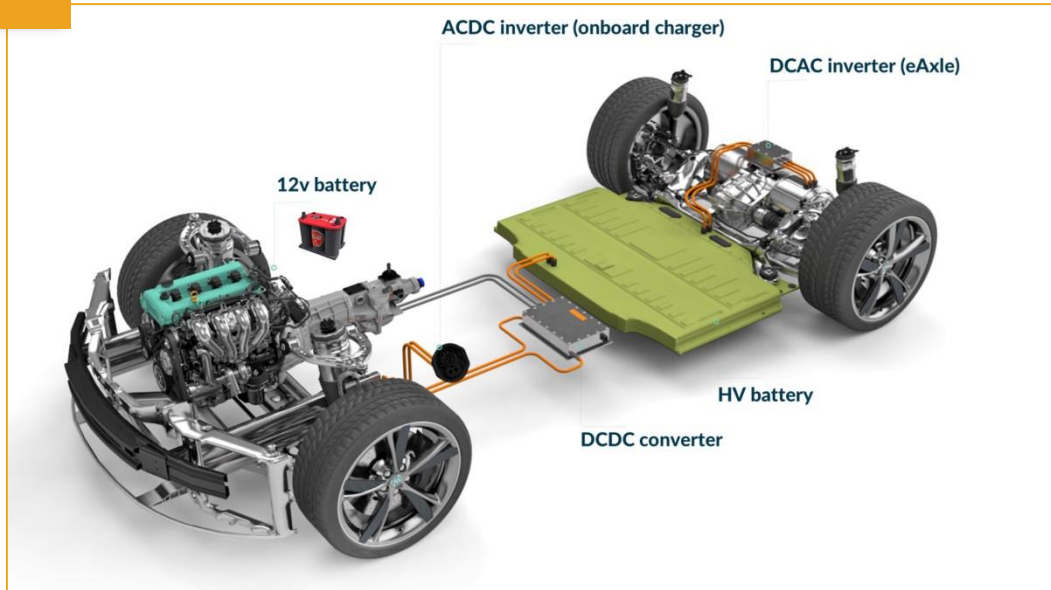
Internal Combustion Engine (ICE + μ HEV)



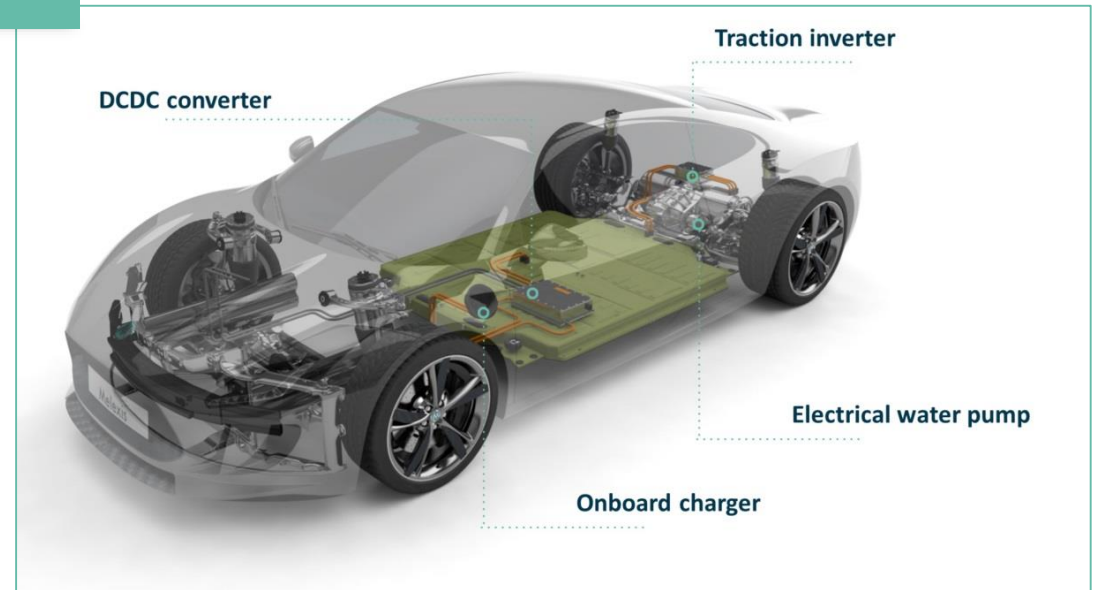
48 Volt Mild Hybrid (mHEV)



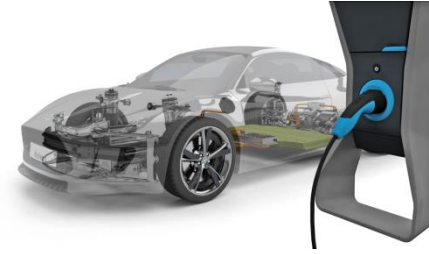
Full Hybrid (fHEV) - Plug-In Hybrid (pHEV)



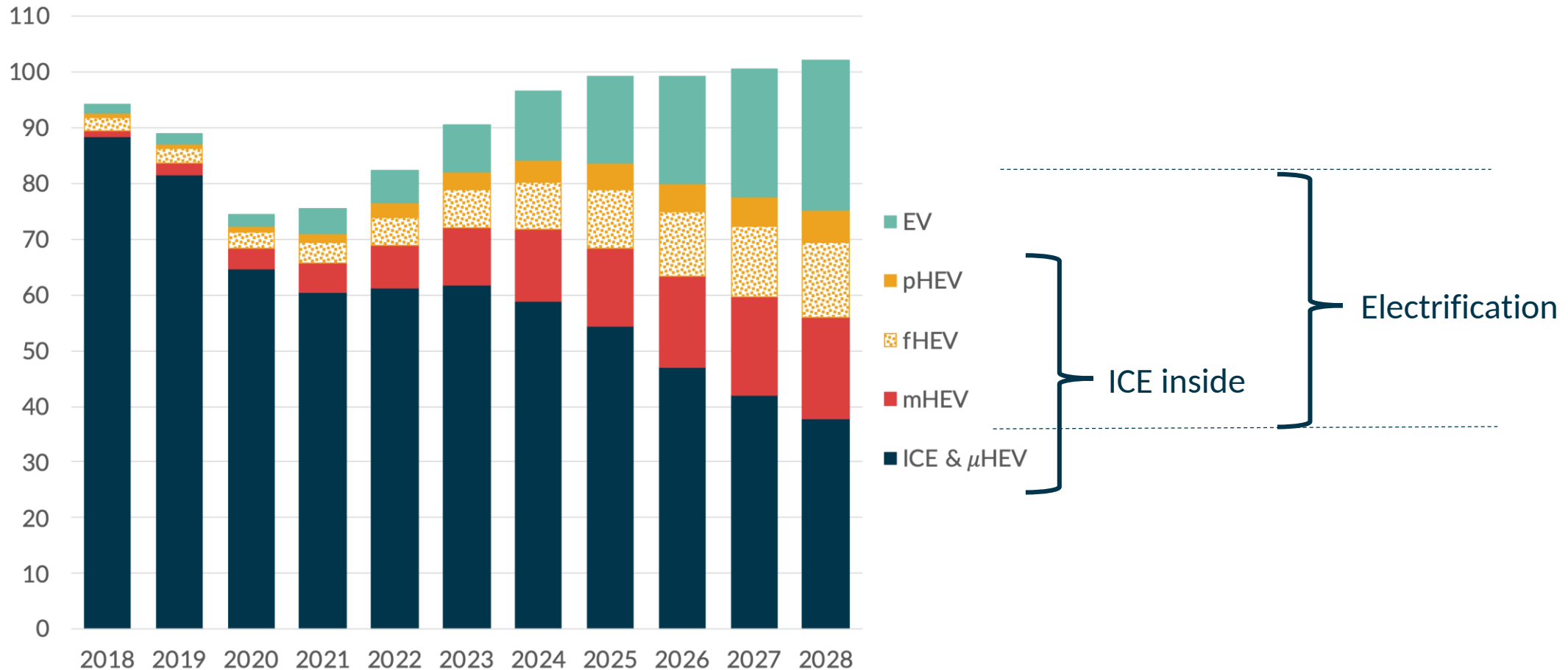
Electric Vehicle (BEV – FCEV)



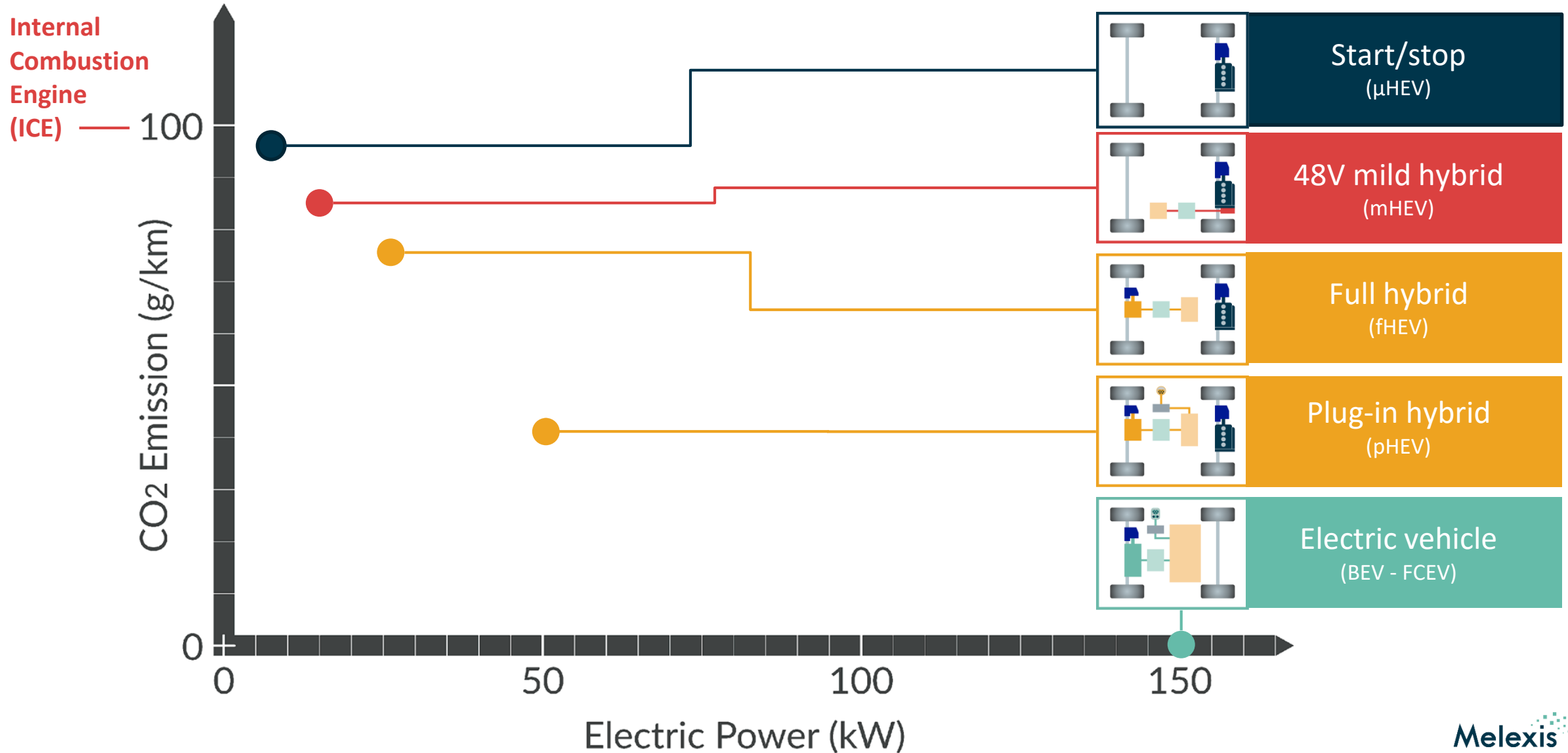
Global vehicle production (million units)



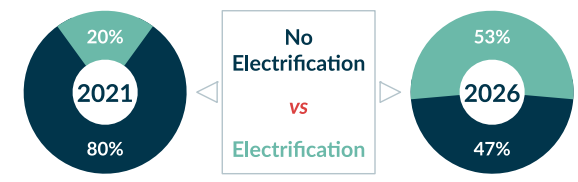
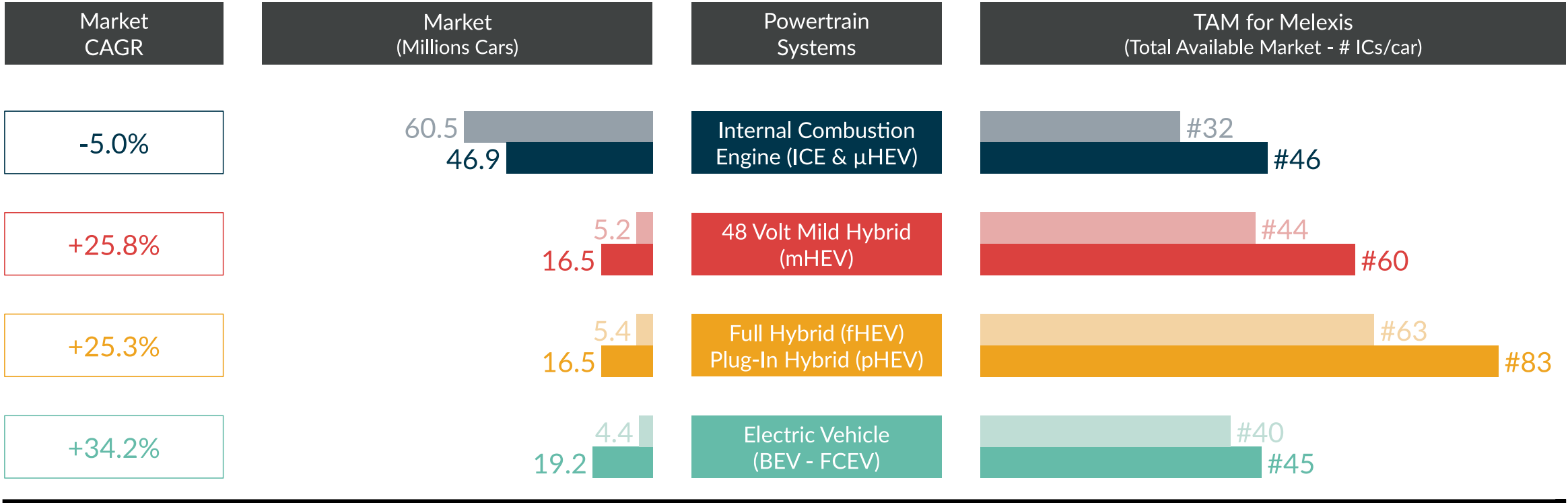
Electrification – Segmentation – Market Split



Automotive - From 10 to 20 (ICs/car)



Powertrain Systems



Chassis

Braking – Steering – Suspension



Body

Lighting – HVAC – HMI - Others



Safety

(Passive)

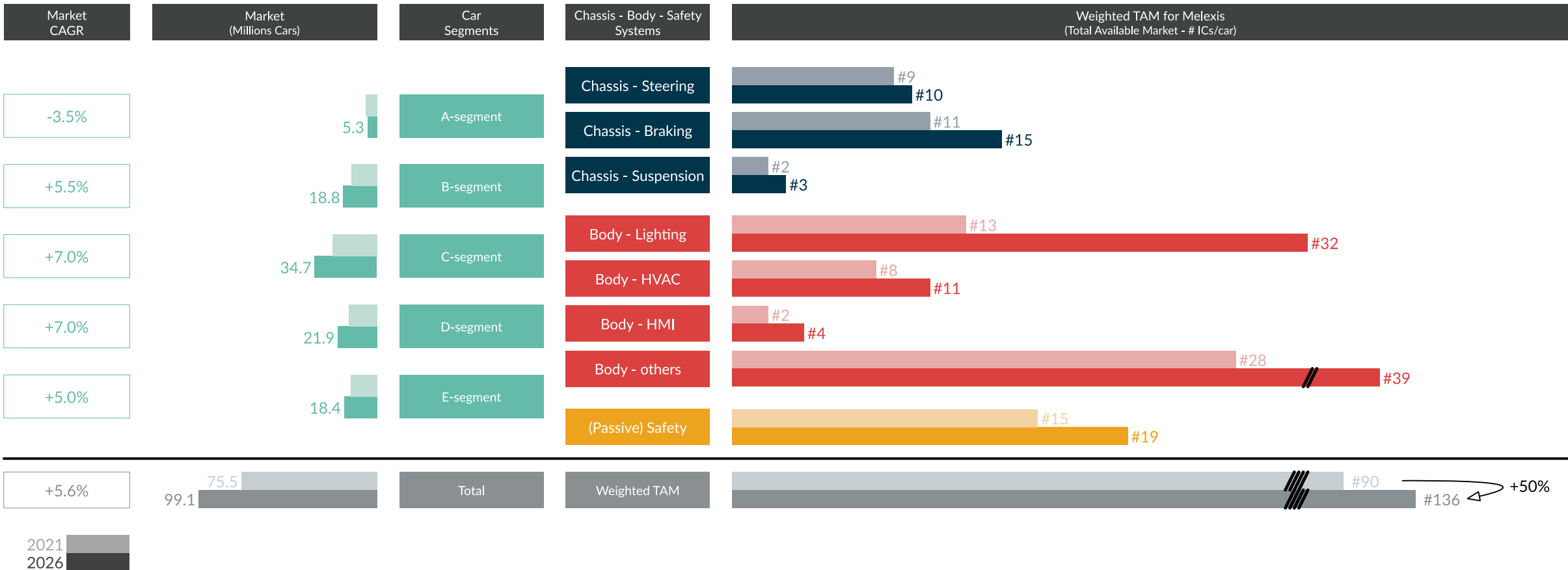


Source visuals: BMW

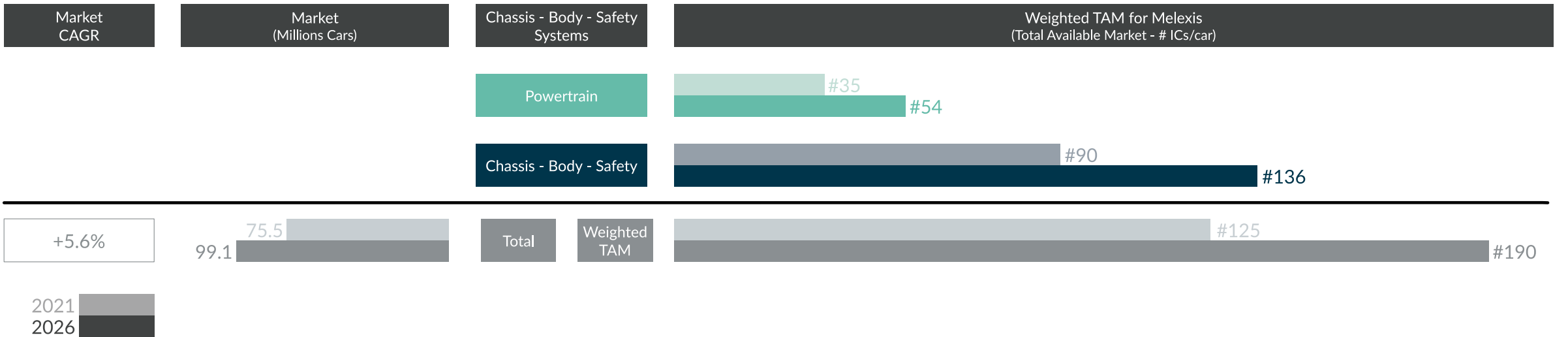
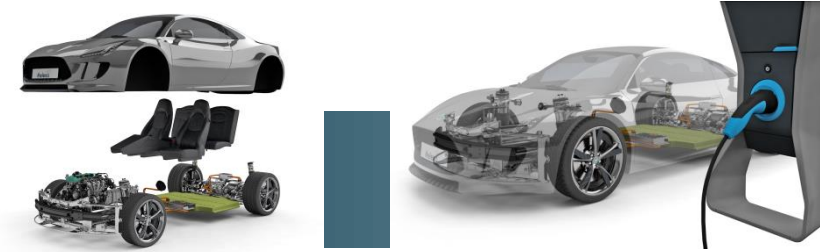
<https://www.autozeitung.de/klimaanlage-auto-wartung-funktion-187651.html>
<http://fertyimg.pw/Cremallera-de-direccin-hidraulica-Nissan-Tecnologia-t.html>



Chassis – Body – Safety Systems

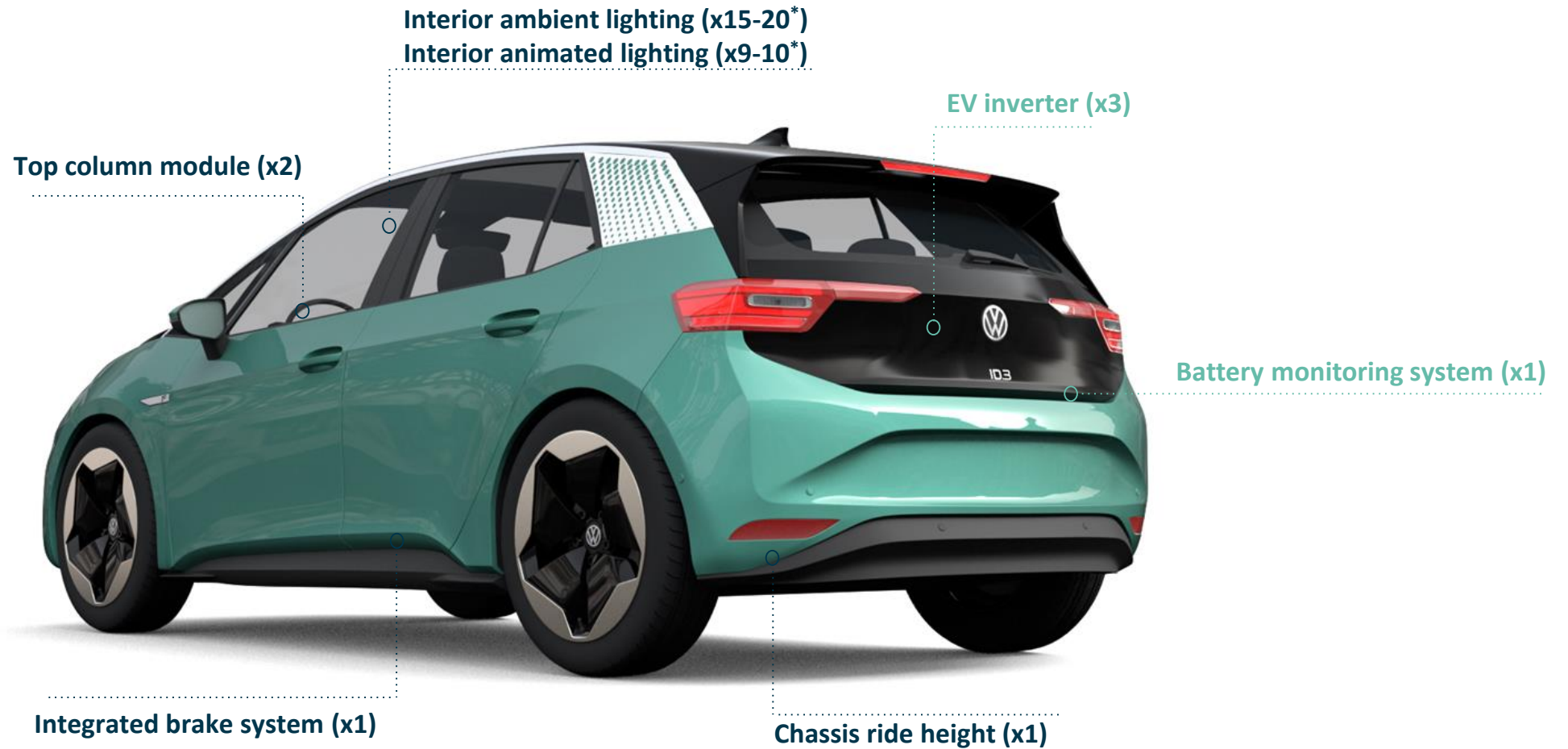


Melexis in automotive



Volkswagen ID.3/MEB

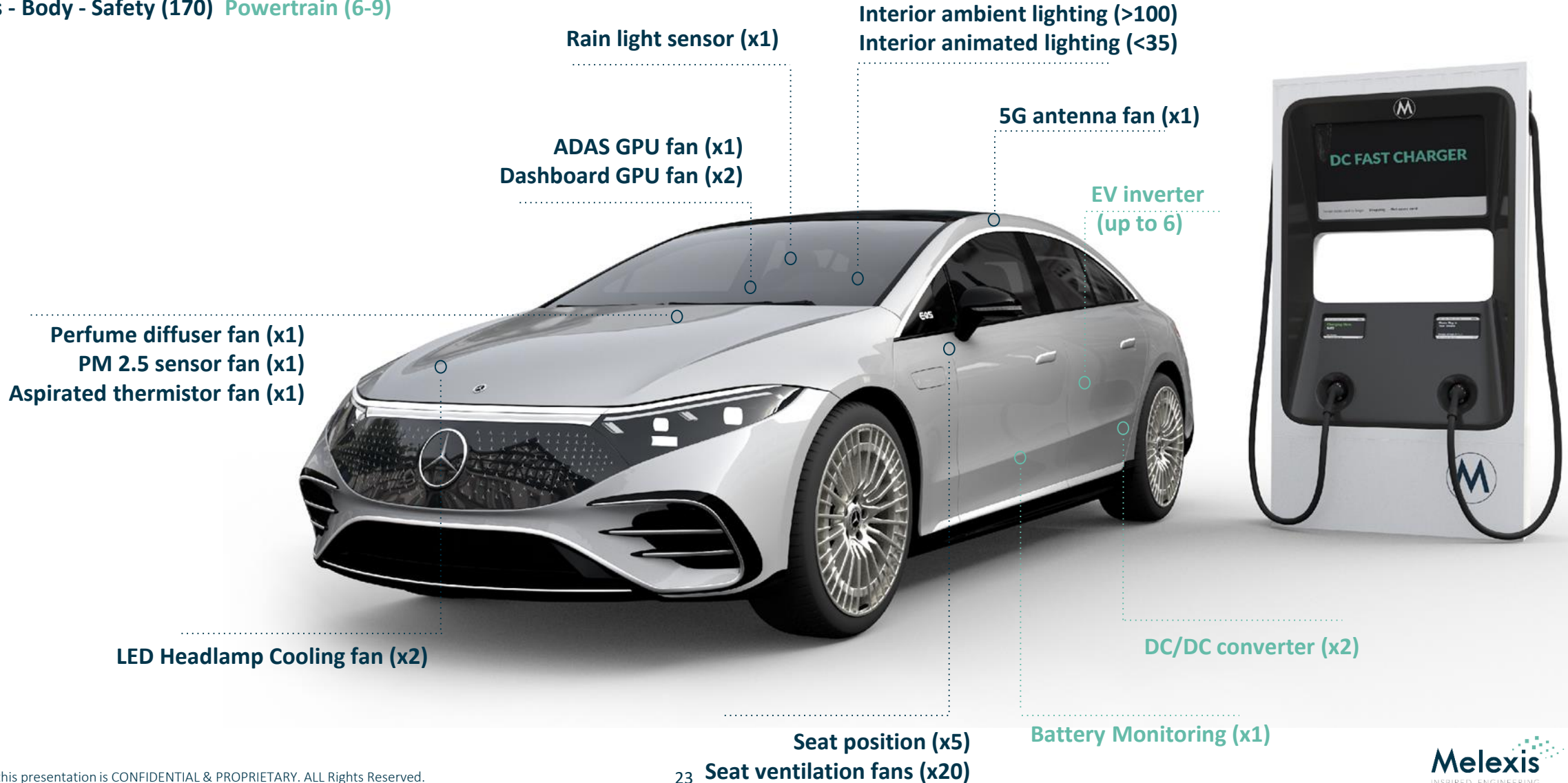
Chassis - Body - Safety (>28) Powertrain (4)



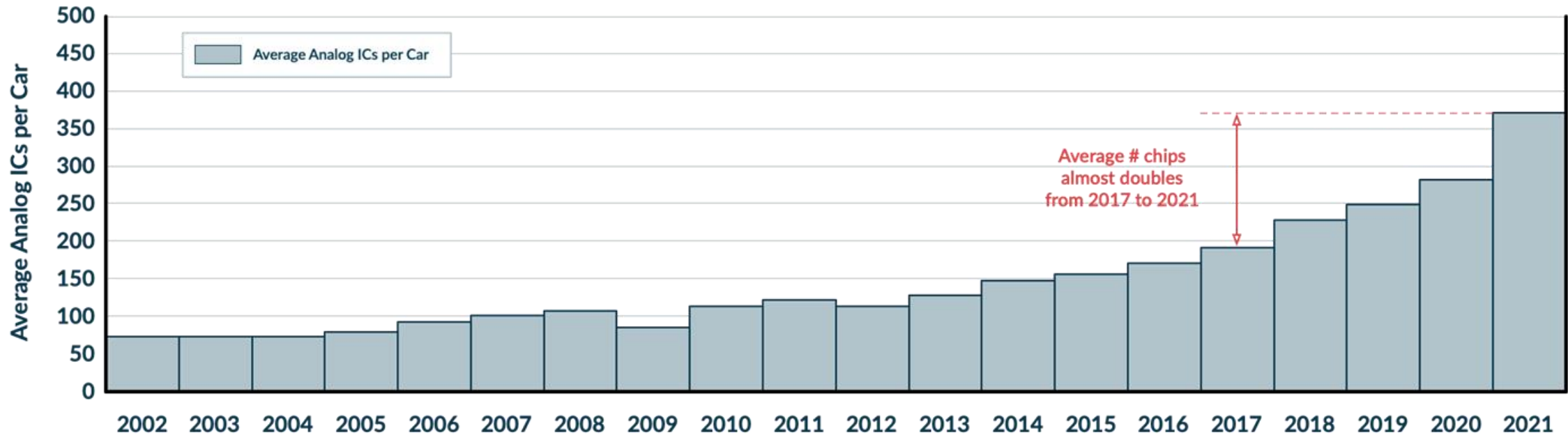
* estimation

Mercedes EQS / S-Class

Chassis - Body - Safety (170) Powertrain (6-9)



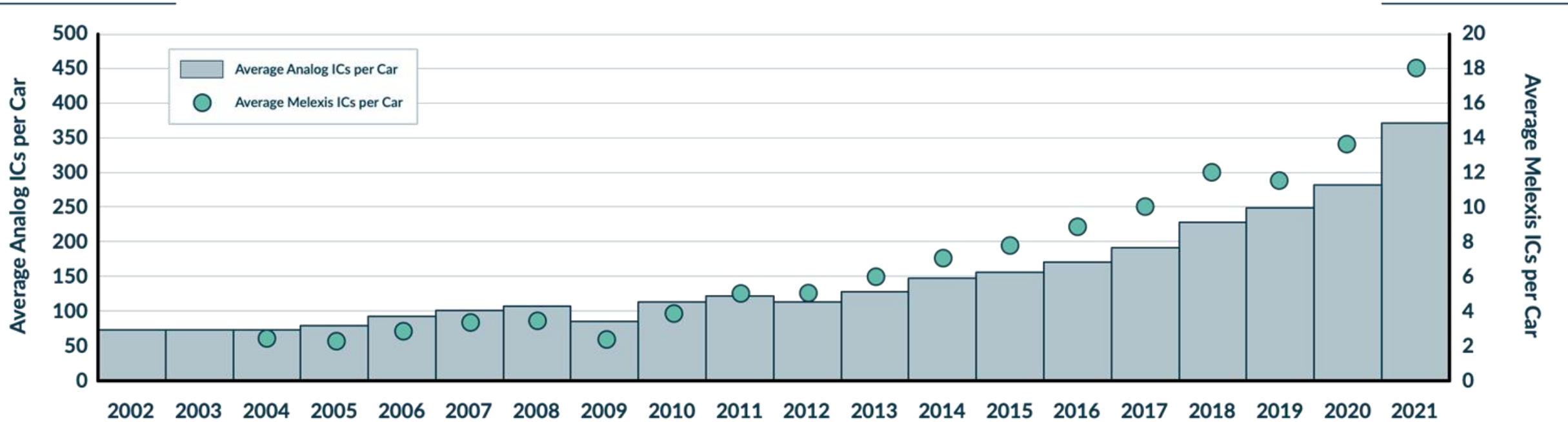
Accelerated Demand for Automotive Analog ICs



Sources: IHS Markit Light Vehicle Production, WSTS

- Power management ICs (for Electronic Control Unit [ECU], Systems-on-Chips [SoC], etc.)
- Integrated sensors and Signal conditioning ICs for sensors
- Bus transceiver ICs (for ECU, Sensor and Electronic Modules)
- Driver ICs for electric motors, LEDs (lighting), displays, etc.
- Radar transceivers, high-end audio, RF front-end, etc.

Accelerated Demand for Melexis Analog ICs

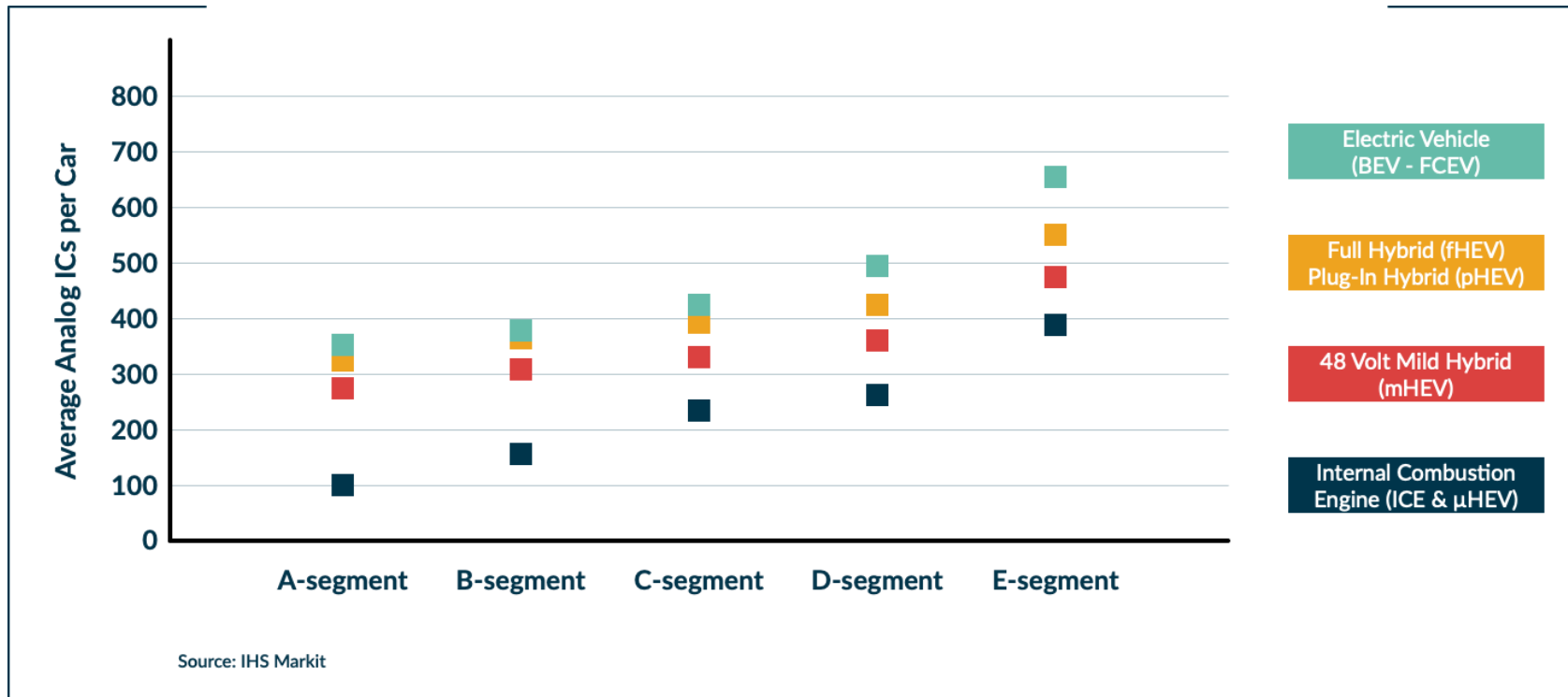


Sources: IHS Markit Light Vehicle Production, WSTS, Melexis

- Power management ICs (for Electronic Control Unit [ECU], Systems-on-Chips [SoC], etc.)
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Accelerated Demand for Automotive Analog ICs

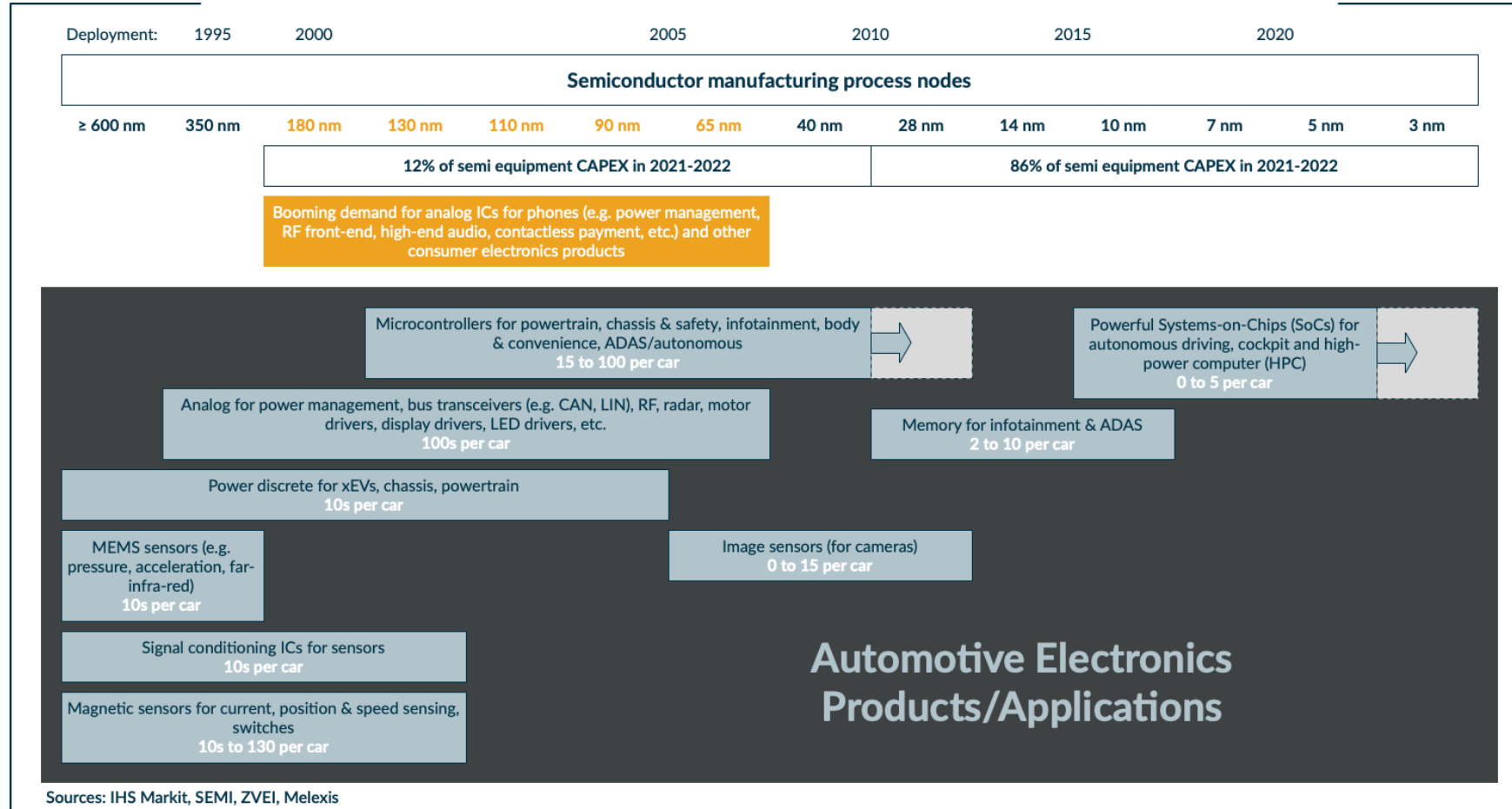
Automotive Analog ICs per car vs. Segment & Propulsion



Main Drivers

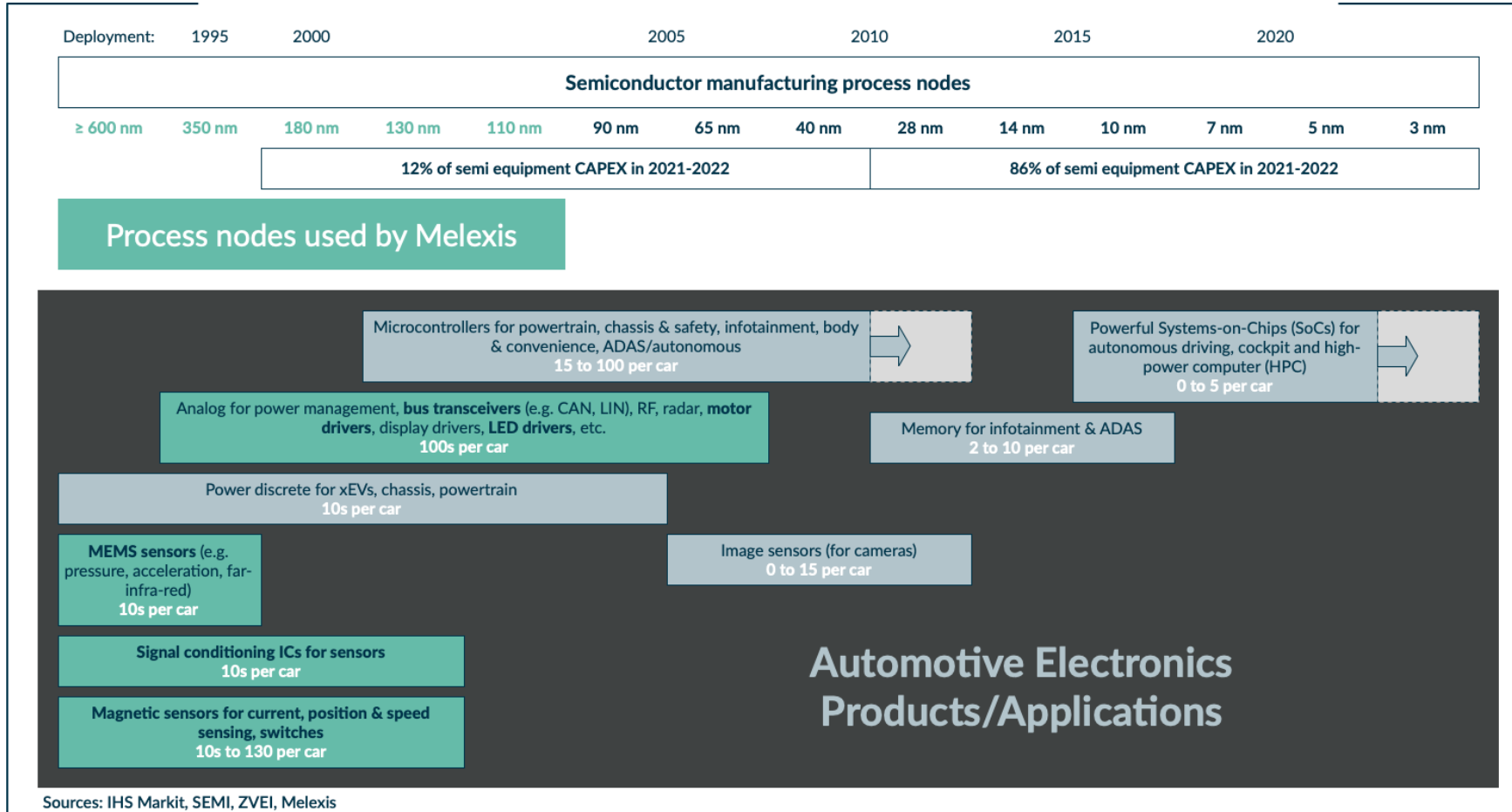
- Electrification (Electric & Hybrid Vehicles)
- Premium Segment

Under-Investments in Automotive SC Processes



- Low investments over the past decade in the process nodes which matter to the automotive but also to many other electronic segments (e.g. consumer, medical, industrial, etc.)
- Limited investments in 2021-2022 compared to the advanced process nodes which matter less for the automotive

Under-Investments in Automotive SC Processes



Adjacent - From 10 to 20 (%Revenue) – How?



Carbon-neutral

smart appliances, smart buildings, non-fossil energy, smart metering,...



Alternative Mobility

2–3 wheelers, e-mobility, micro-delivery, robotaxis, AGVs...

Well-being

health, medical, wearable, gaming...



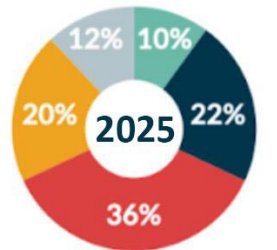
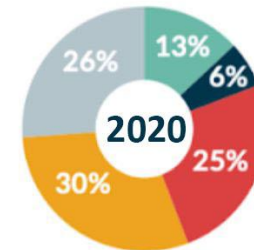
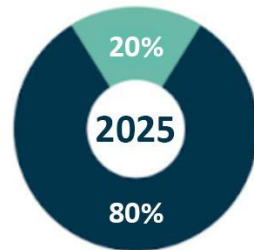
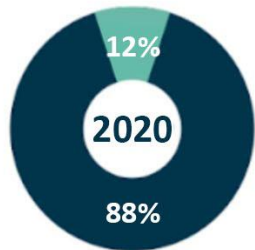
Robotics

automation, assisting, social interaction...



Computing & Networking

cooling, power management...

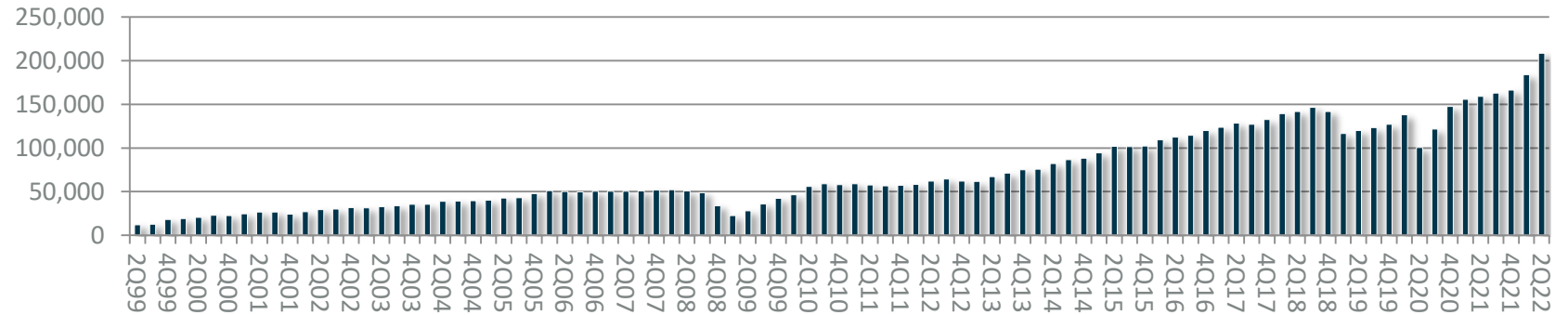


Evolution financials 1999-2022

Turnover

Q2 2022: 208.4 mln EUR

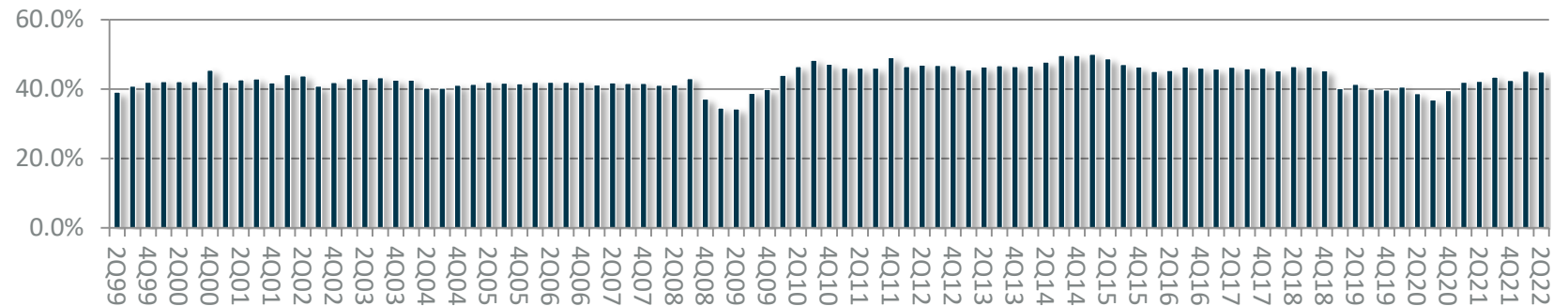
HY 2022: 392.5 mln EUR



Gross profit margin

Q2 2022: 44.9%

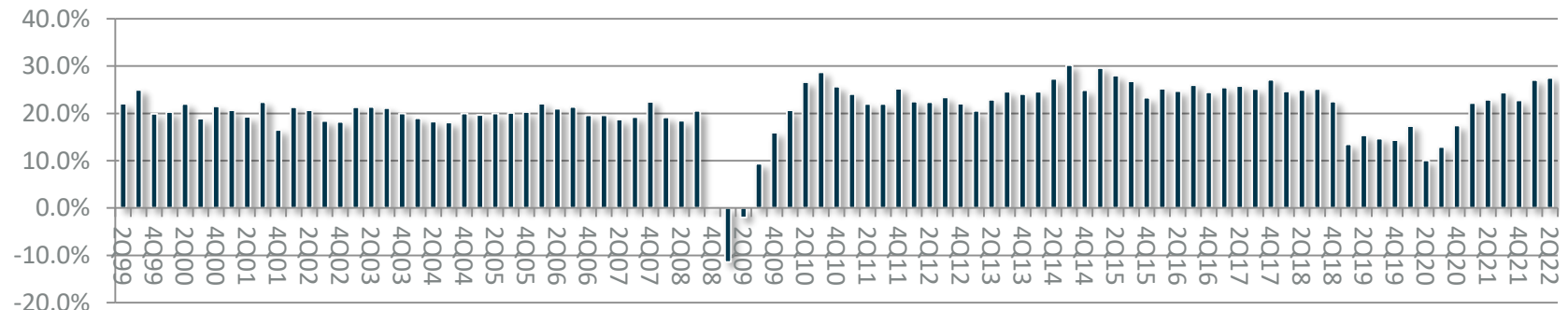
HY 2022: 45.0%



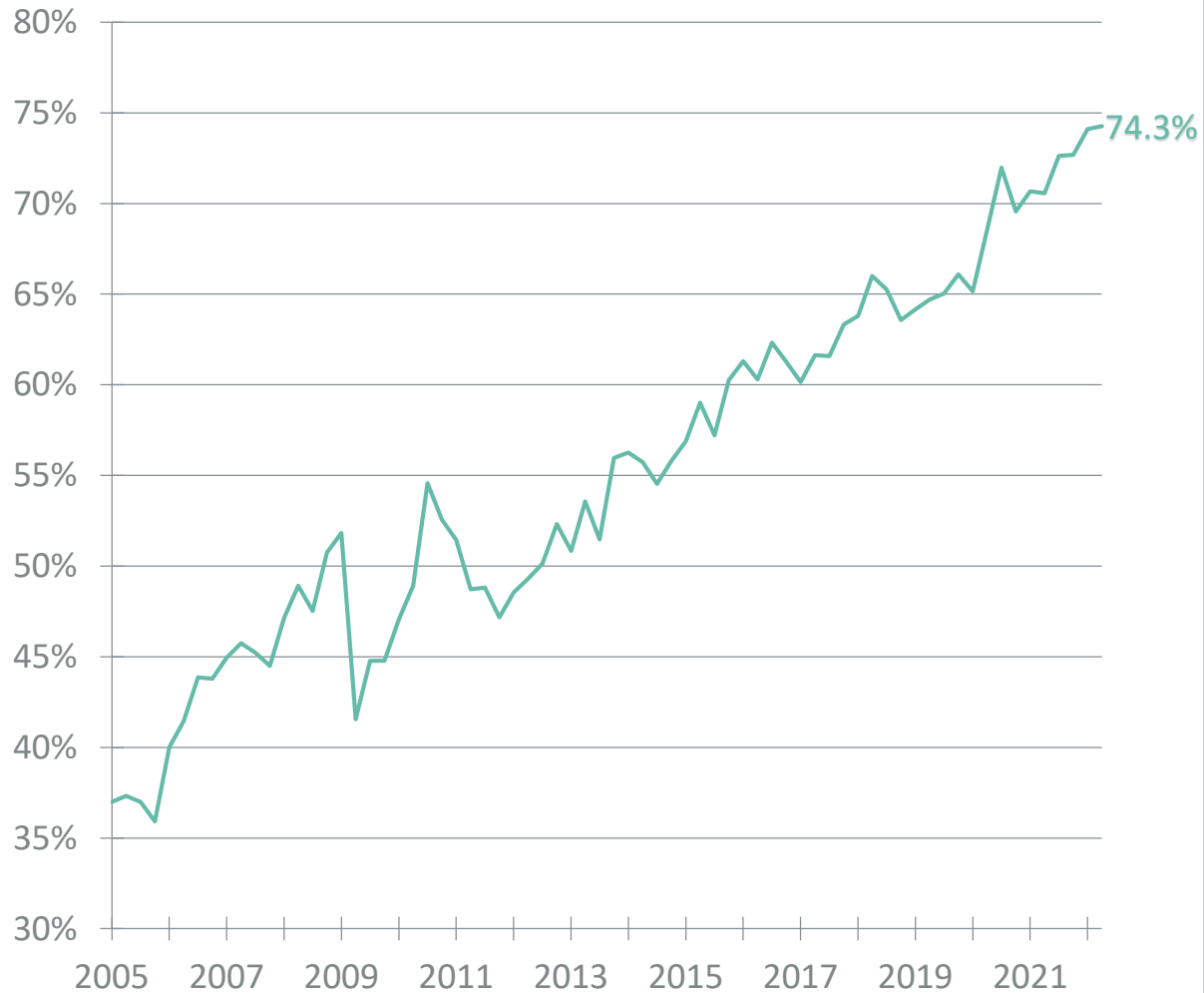
Operating margin

Q2 2022: 27.5%

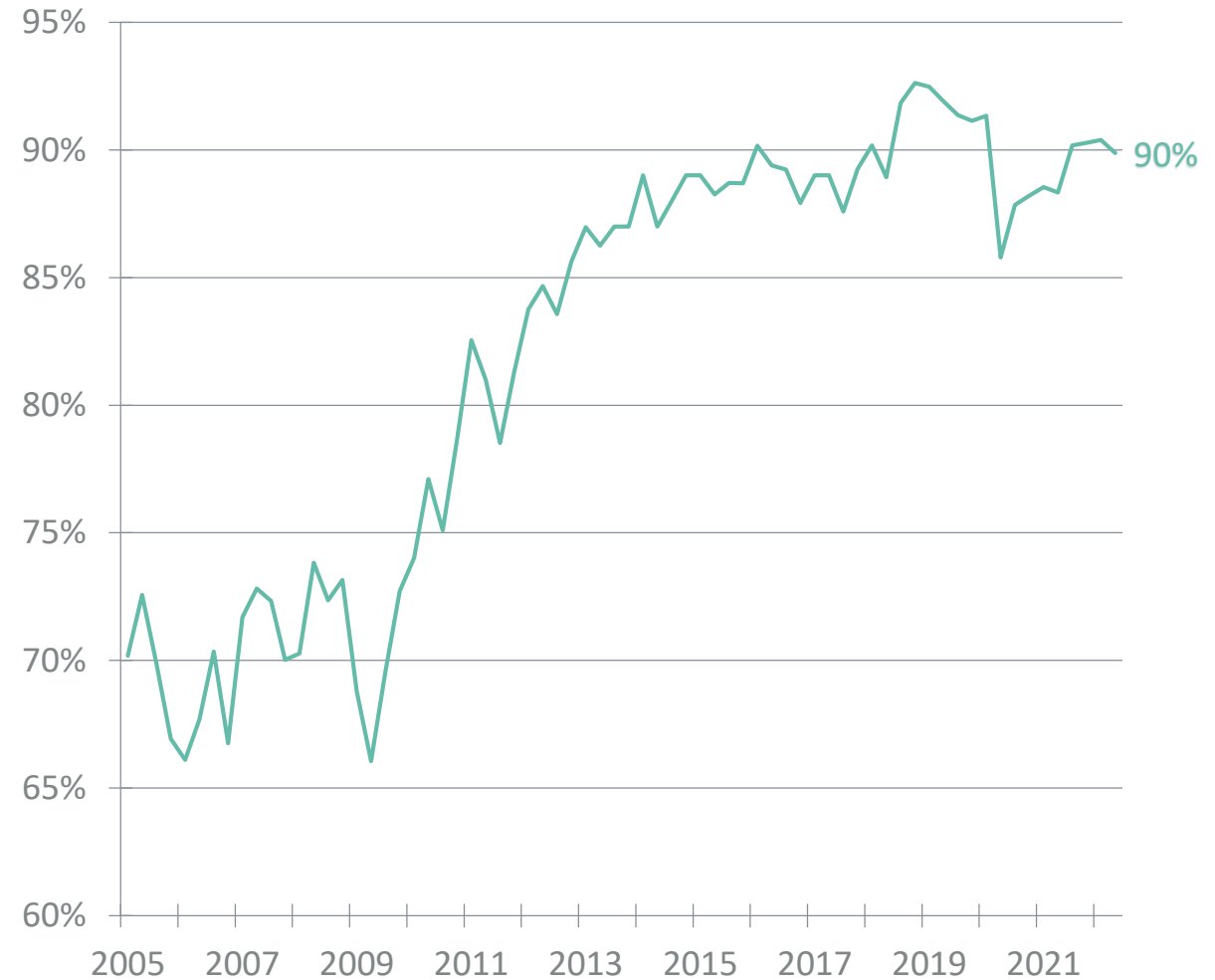
HY 2022: 27.3%



% ASSP sales



% automotive sales



Q2 2022 results at a glance

Sales

208.4m EUR

+31% Y-o-Y

Gross margin

44.9%

93.6m EUR

+40% Y-o-Y

Operating result

27.5%

57.3m EUR

+57% Y-o-Y

Net result

1.18 EPS

47.6m EUR

+42% Y-o-Y

Oper. cash flow

(before wcap change)

65.1m EUR

+21% Y-o-Y

Net cash

39.3m EUR

Outlook

Melexis expects sales in the third quarter of 2022 in the range of 215 to 220 million EUR.

For the full year 2022, Melexis expects a sales increase between 28% and 30%, with a gross profit margin of around 45% and an operating margin of around 26% at the midpoint of the sales guidance, all taking into account a EUR/USD exchange rate of 1.00 for the remainder of the year. The evolution of the EUR/USD exchange rate in 2022 has a positive impact of around 5% on the full-year sales outlook.

Profit & loss

Q2 2022 versus Q2 2021 versus Q1 2022

P&L account (in million EUR)	Q2 2022	% of Sales	Q2 2021	% of Sales	Q1 2022	% of Sales
Sales	208.4	100.0%	159.1	100.0%	184.1	100.0%
Cost of goods sold	-114.8	-55.1%	-92.0	-57.8%	-100.9	-54.8%
Gross margin	93.6	44.9%	67.1	42.2%	83.1	45.2%
R&D	-22.1	-10.6%	-19.1	-12.0%	-20.4	-11.1%
G&A	-10.3	-4.9%	-7.9	-4.9%	-9.2	-5.0%
Selling	-4.0	-1.9%	-3.7	-2.3%	-3.7	-2.0%
EBIT	57.3	27.5%	36.4	22.9%	49.9	27.1%
Net financial result	0.5	0.2%	3.0	1.9%	9.7	5.3%
Income taxes	-10.2	-4.9%	-5.9	-3.7%	-10.9	-5.9%
Net profit	47.6	22.8%	33.5	21.1%	48.6	26.4%
Earnings per share	1.18		0.83		1.20	

HY 2022 results at a glance

Sales

392.5m EUR

+25% Y-o-Y

Gross margin

45.0%

176.8m EUR

+34% Y-o-Y

Operating result

27.3%

107.1m EUR

+51% Y-o-Y

Net result

2.38 EPS

96.2m EUR

+57% Y-o-Y

Oper. cash flow

(before wcap change)

139.1m EUR

+39% Y-o-Y

Net cash

39.3m EUR

Outlook

Melexis expects sales in the third quarter of 2022 in the range of 215 to 220 million EUR.

For the full year 2022, Melexis expects a sales increase between 28% and 30%, with a gross profit margin of around 45% and an operating margin of around 26% at the midpoint of the sales guidance, all taking into account a EUR/USD exchange rate of 1.00 for the remainder of the year. The evolution of the EUR/USD exchange rate in 2022 has a positive impact of around 5% on the full-year sales outlook.

Profit & loss

HY 2022 versus HY 2021

P&L account (in million EUR)	HY 2022	% of Sales	HY 2021	% of Sales
Sales	392.5	100.0%	314.7	100.0%
Cost of goods sold	-215.7	-55.0%	-182.4	-57.9%
Gross margin	176.8	45.0%	132.4	42.1%
R&D	-42.5	-10.8%	-38.8	-12.3%
G&A	-19.5	-5.0%	-15.5	-4.9%
Selling	-7.6	-1.9%	-7.1	-2.3%
Other operating result		0.0%		0.0%
EBIT	107.1	27.3%	70.9	22.5%
Net financial result	10.2	2.6%	0.9	0.3%
Income taxes	-21.1	-5.4%	-10.6	-3.4%
Net profit	96.2	24.5%	61.3	19.5%
Earnings per share	2.38		1.52	

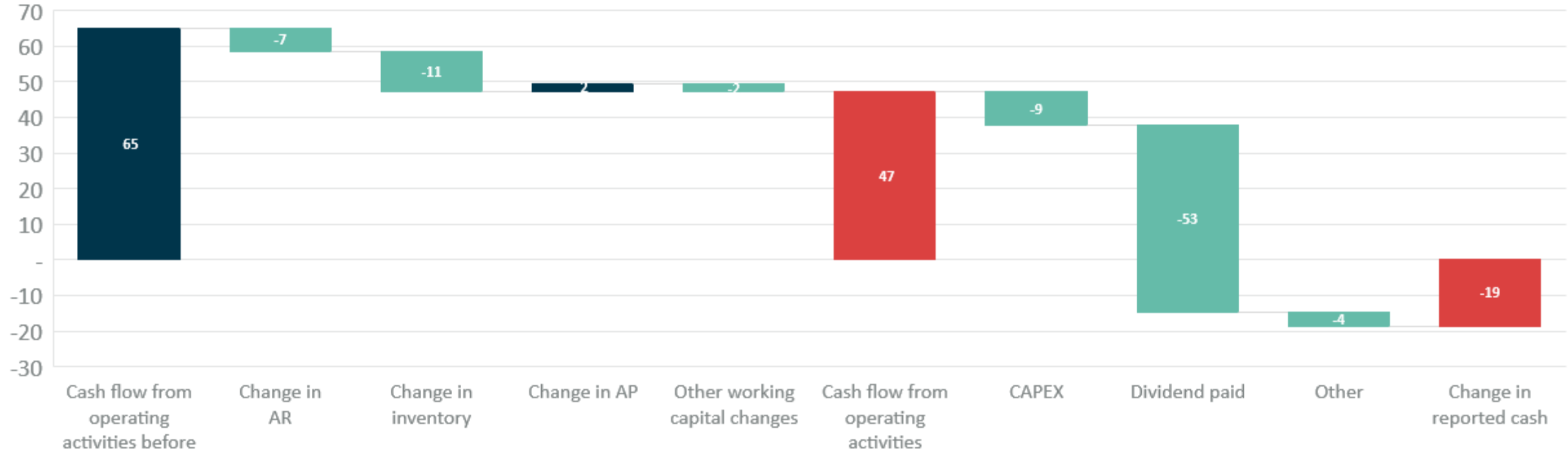
Balance sheet

Q2 2022 versus Q2 2021 versus Q1 2022

Balance Sheet (in million EUR)	Q2 2022	Q2 2021	Q1 2022
Total assets	522.7	465.3	527.3
Current assets			
Cash	39.3	59.0	57.8
Inventory	167.3	128.5	158.3
A/R Trade	100.7	80.7	94.2
Non-current assets	161.3	169.6	162.5
Shareholders' equity	434.4	370.9	437.9
Interest bearing debt	0.0	30.0	0.0
Long term	0.0	30.0	0.0
Short term	0.0	0.0	0.0

Q2 2022 cash flow

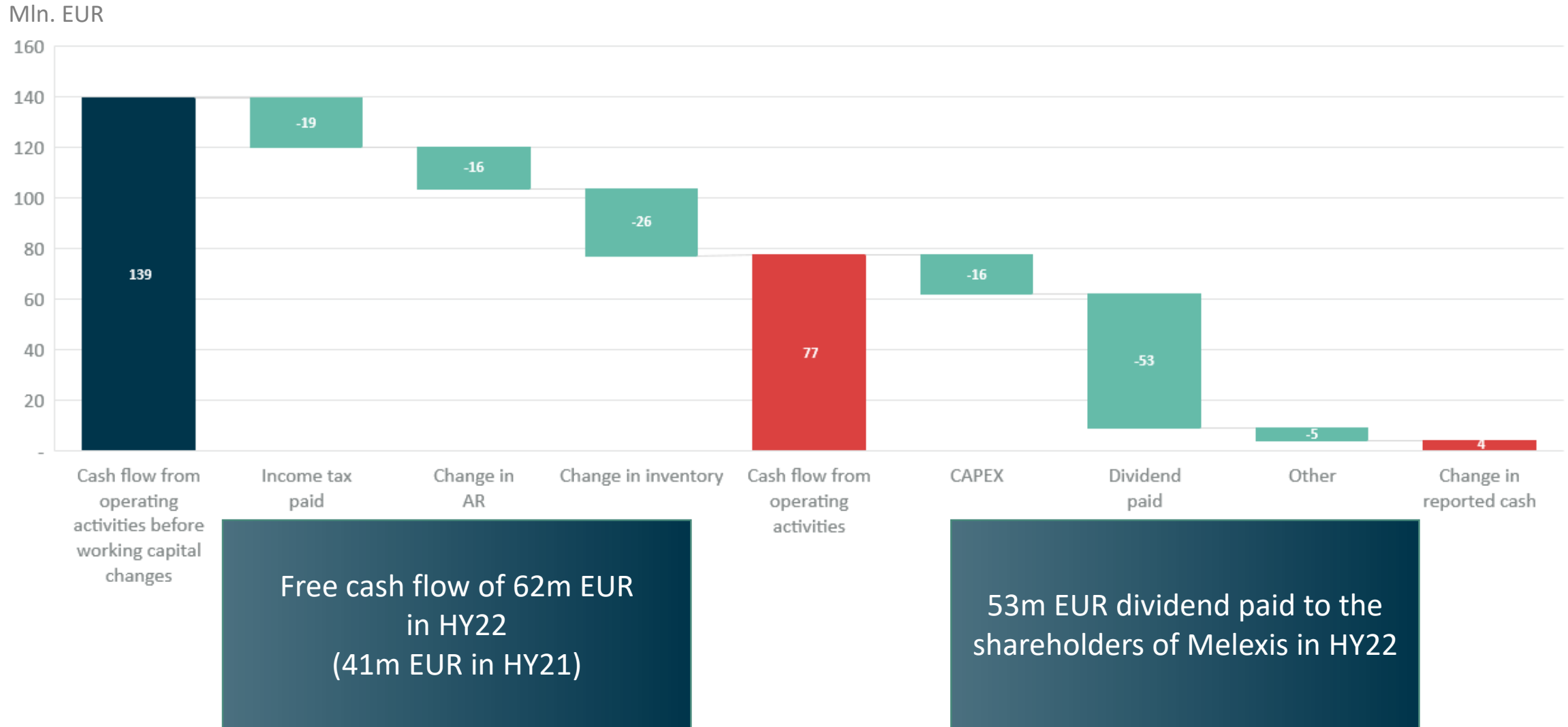
Mln. EUR



Free cash flow of 38m EUR in 2Q22 (19m EUR in 2Q21)

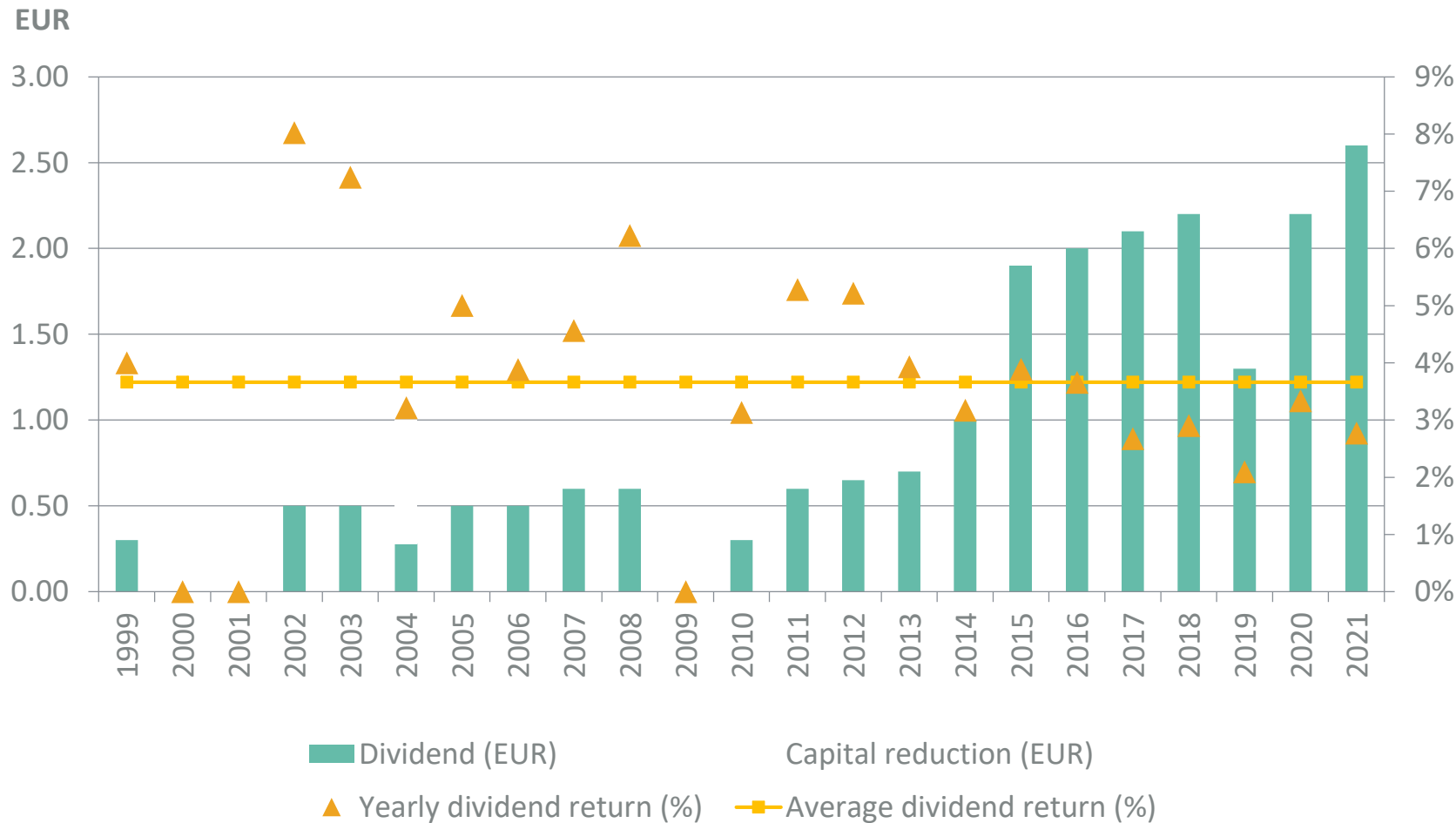
53m EUR dividend paid to the shareholders of Melexis in 2Q22

HY 2022 cash flow



Dividend yield

Based on average share price

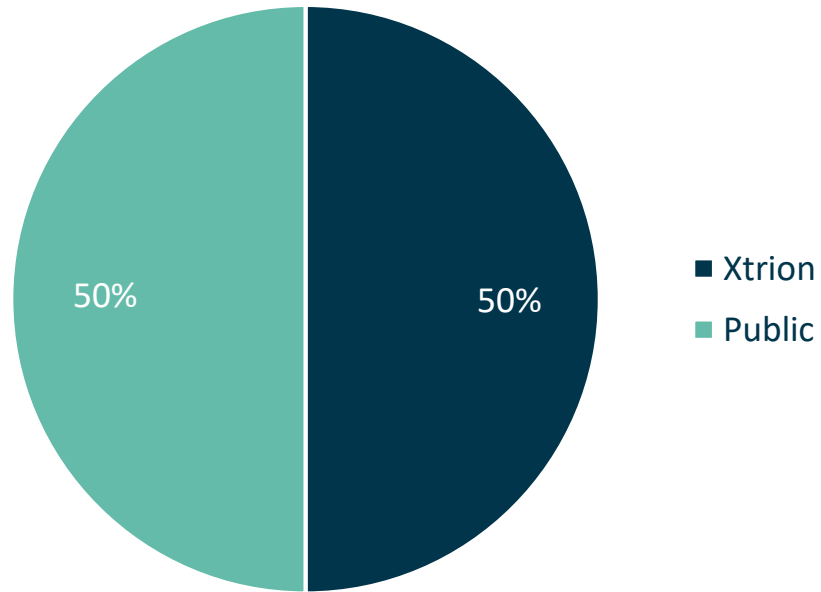


Gross dividend per share (EUR)	
2005	0.50
2006	0.50
2007	0.60
2008	0.60
2009	0.00
2010	0.30
2011	0.60
2012	0.65
2013	0.70
2014	1.00
2015	1.90
2016	2.00
2017	2.10
2018	2.20
2019	1.30
2020	2.20
2021	2.60
(**) YTD 2022	1.30

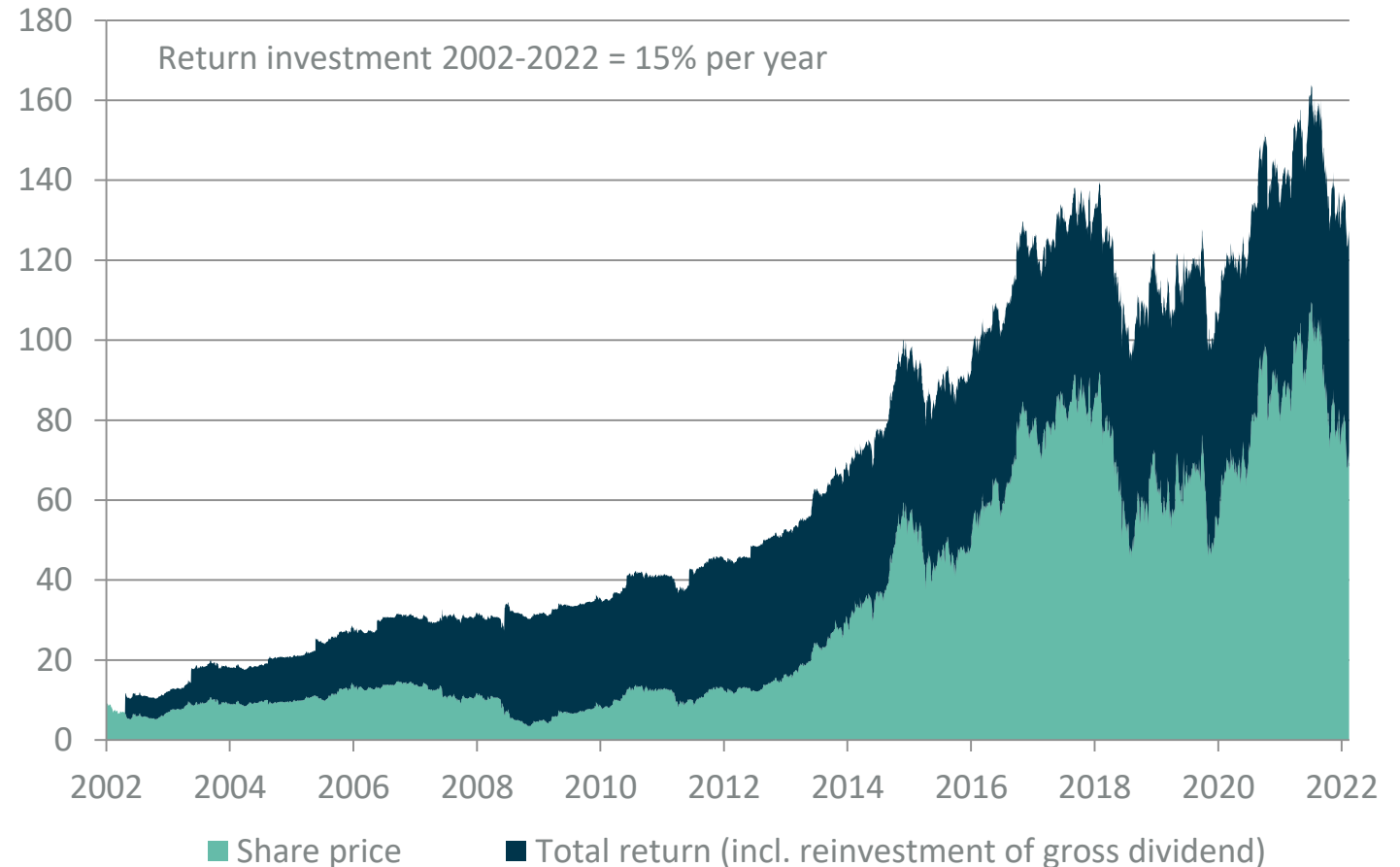
(**) payable October 20, 2022

Shareholders structure & shareholder return

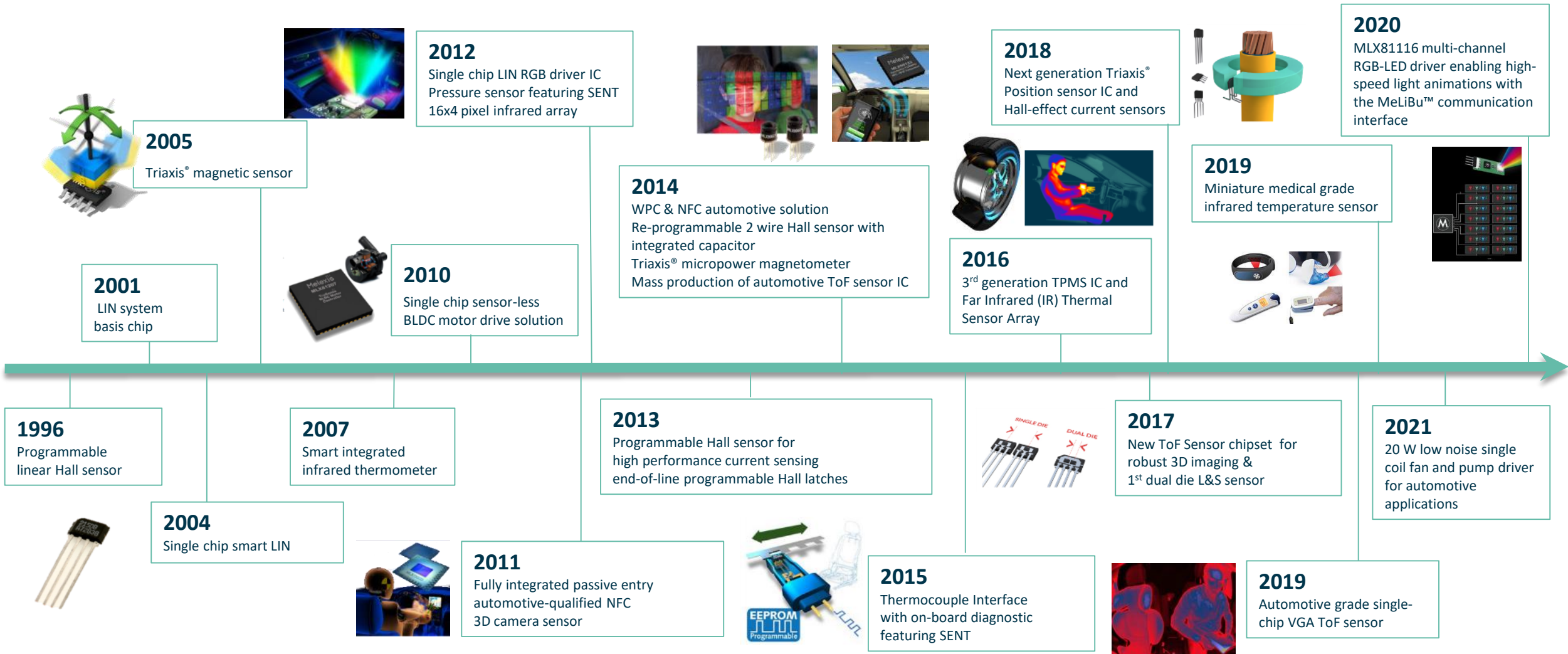
Shareholder structure on
30 June 2022



Shareholder Return
2002-2022



Industry firsts from Melexis



Melexis Investor Relations

Karen van Griensven

CFO

Valerie Kerfs

IR Professional

investor@melexis.com

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