

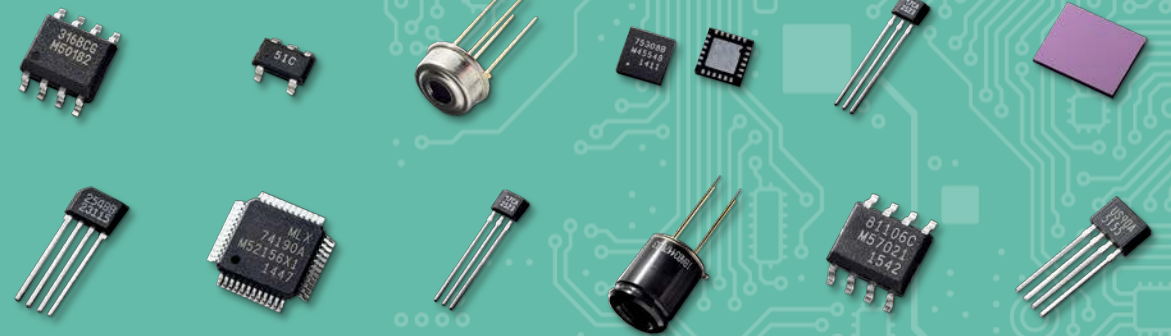


Presentation results FY 2021

What do we do?



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



Common denominator: sensing & driving is everywhere



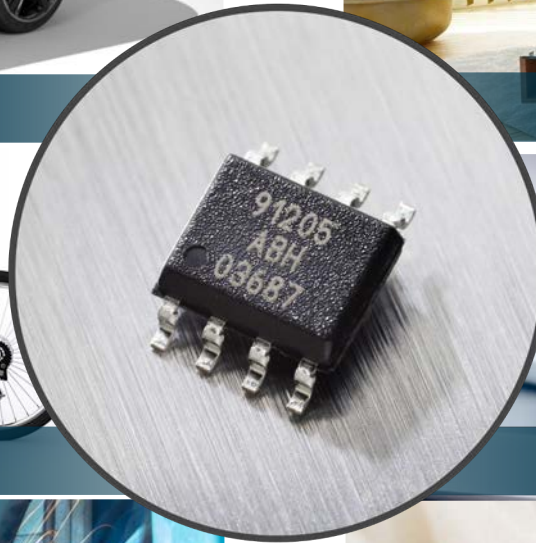
Automotive



Home



Motorcycles and e-bikes



Consumer

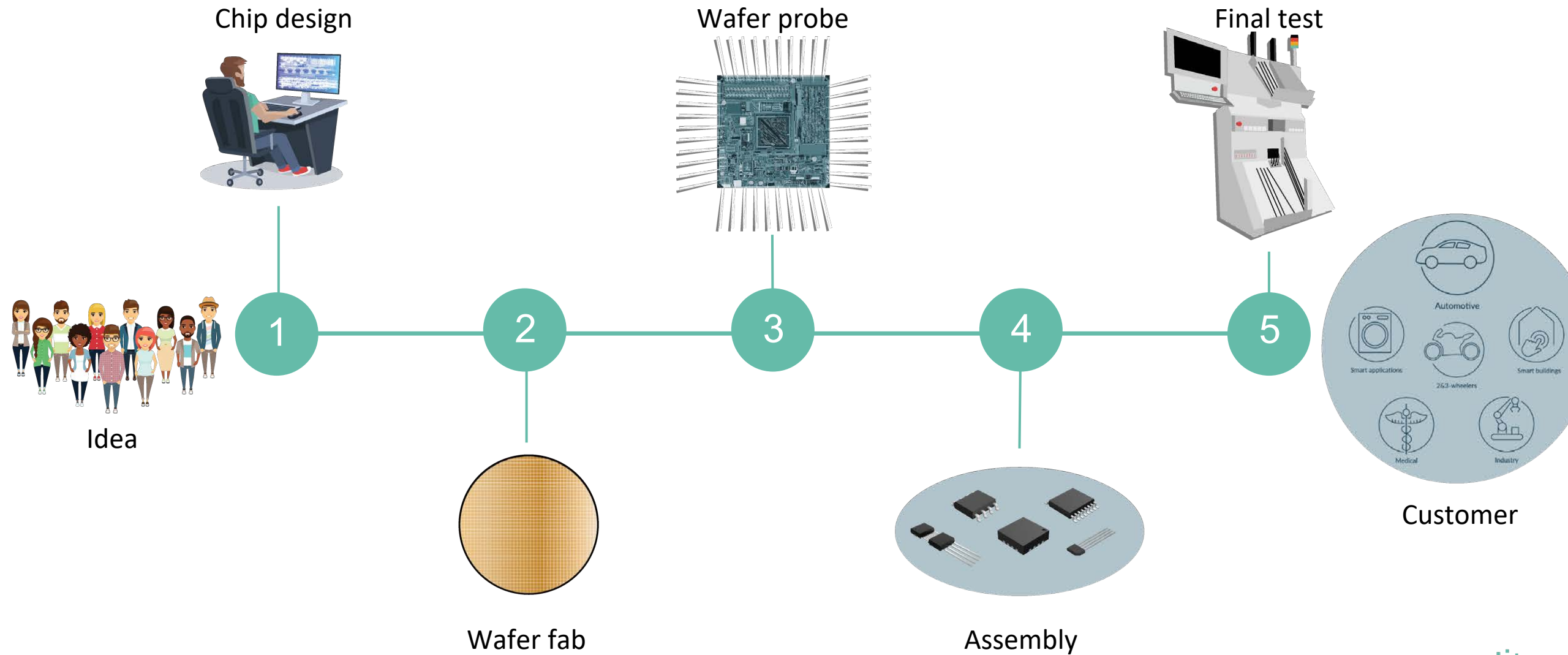


Industry



Healthcare

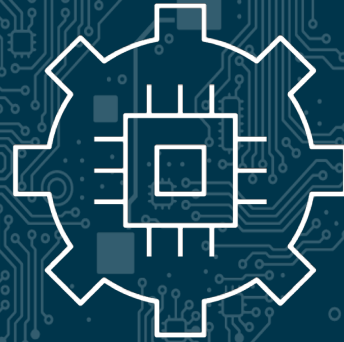
Process flow



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



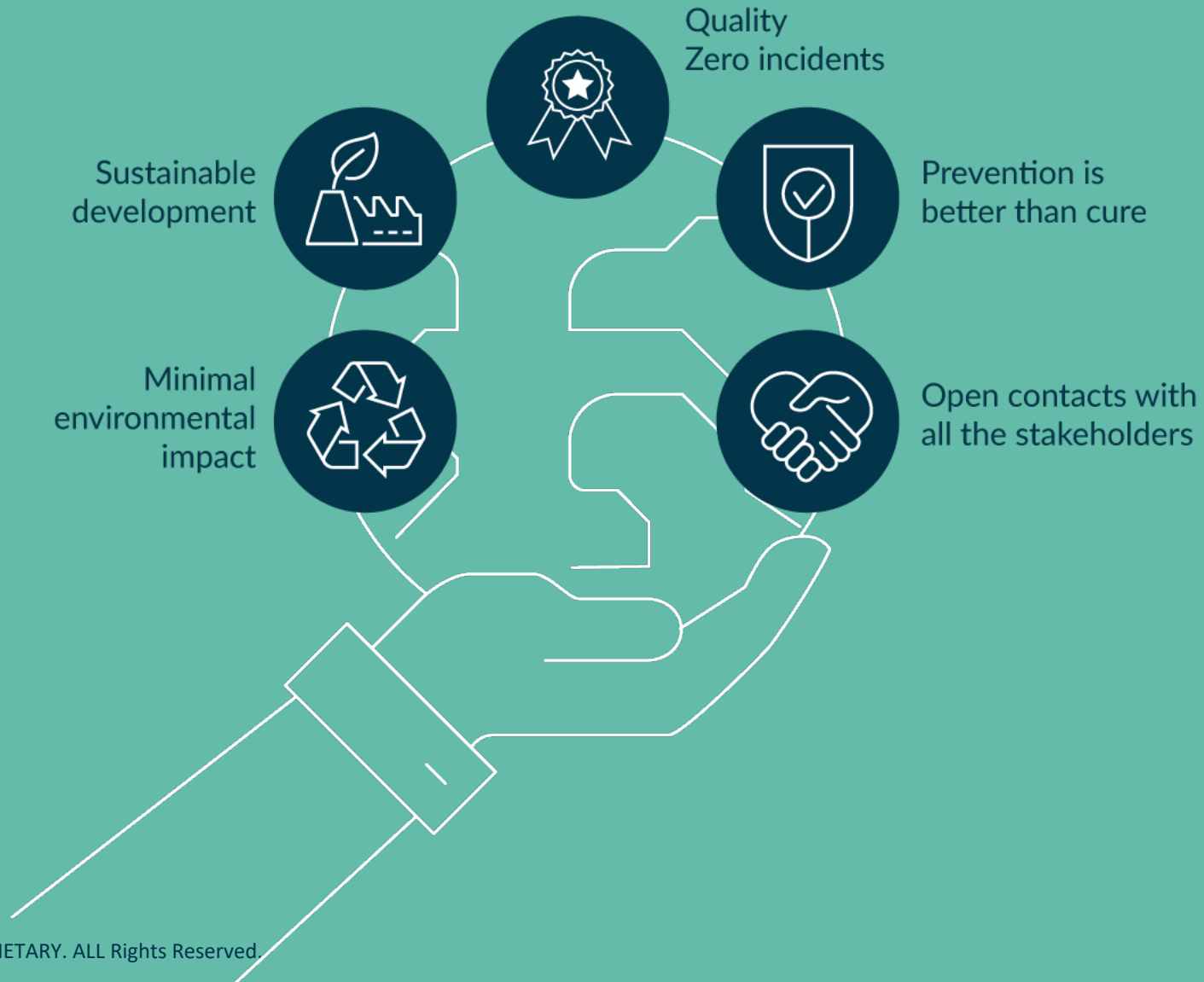
Research & Development

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

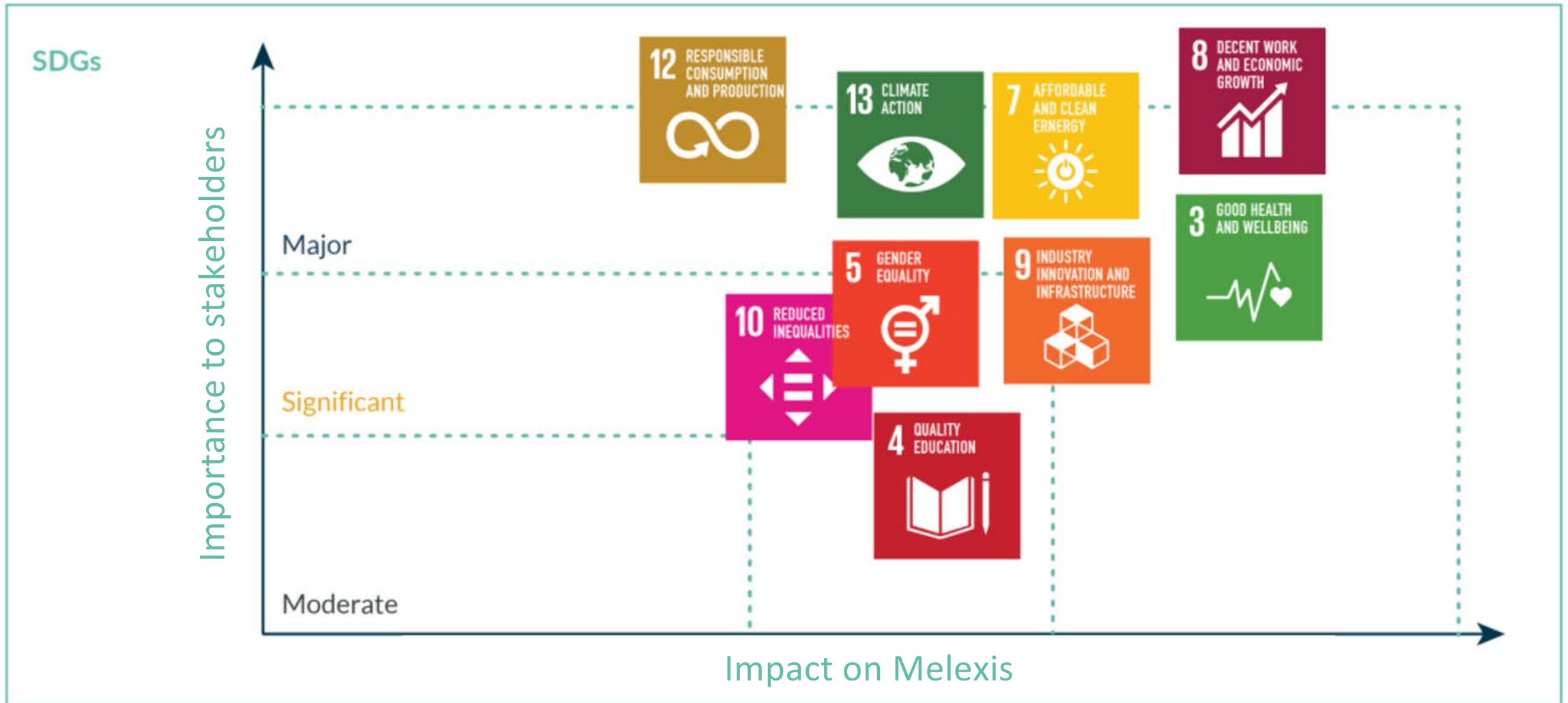


SUSTAINABILITY AT HEART

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



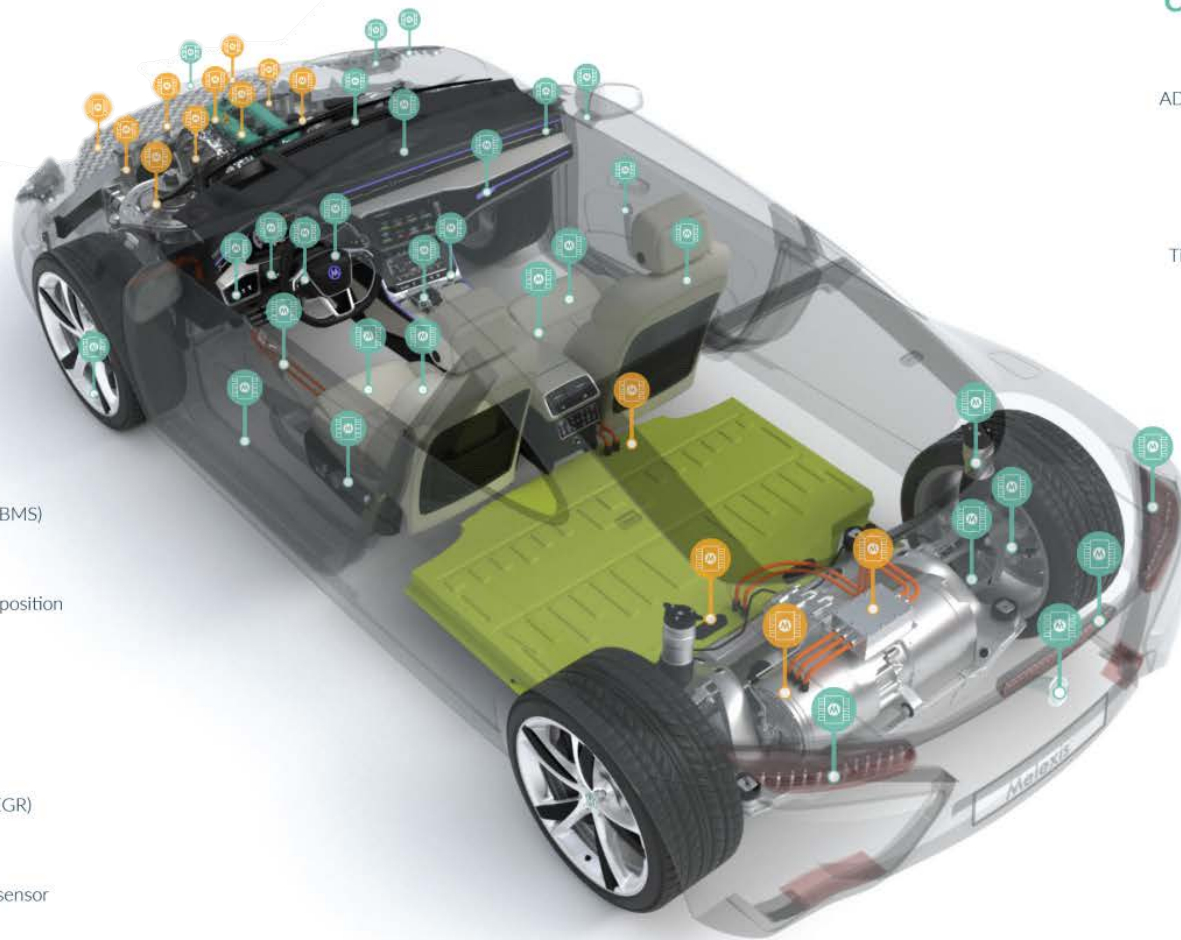
HEALTH



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

Melexis
INSPIRED ENGINEERING

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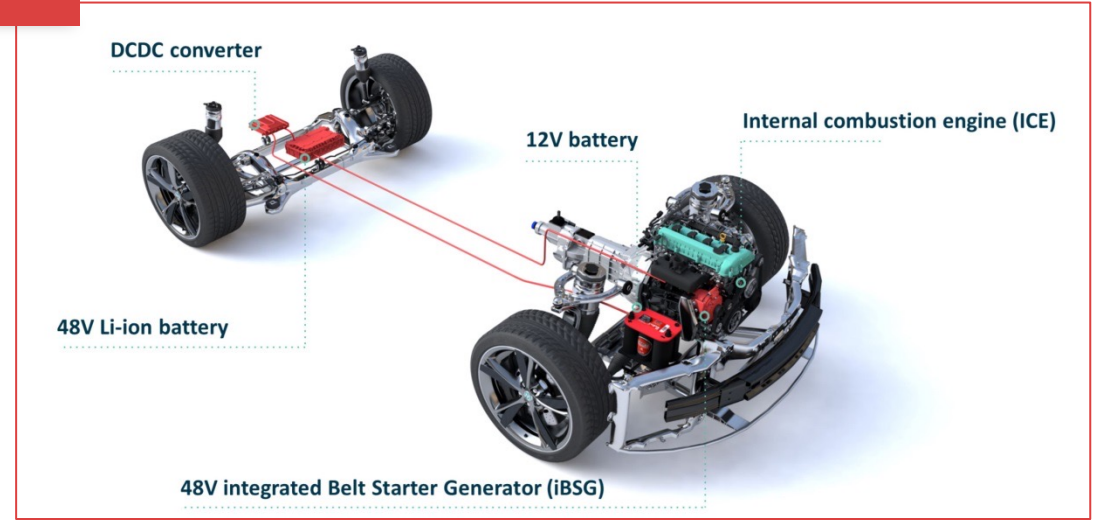
Automotive - From 10 to 20 (ICs/car) – How?



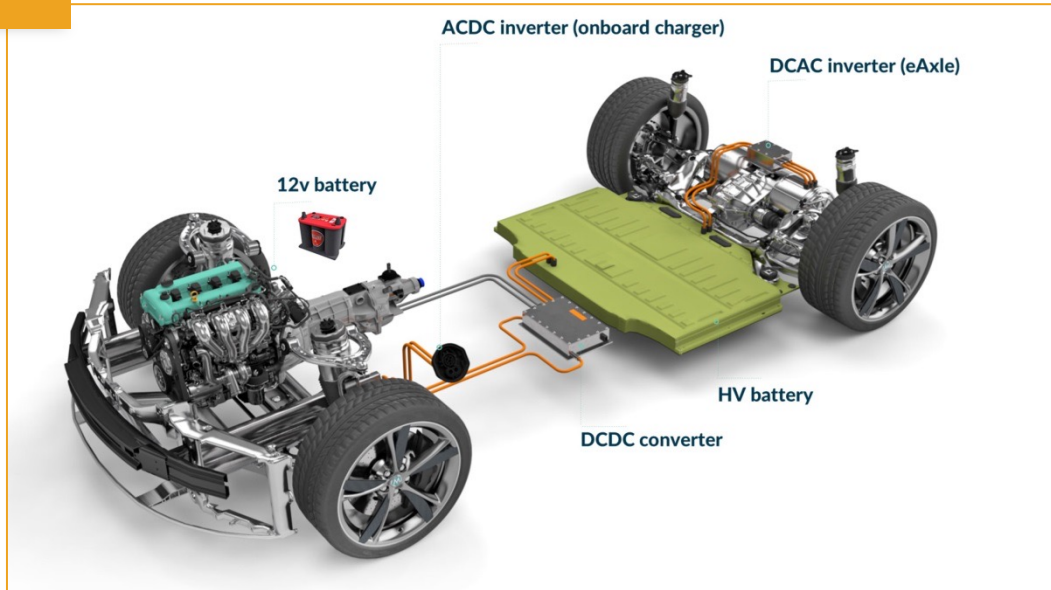
Internal Combustion Engine (ICE + μ HEV)



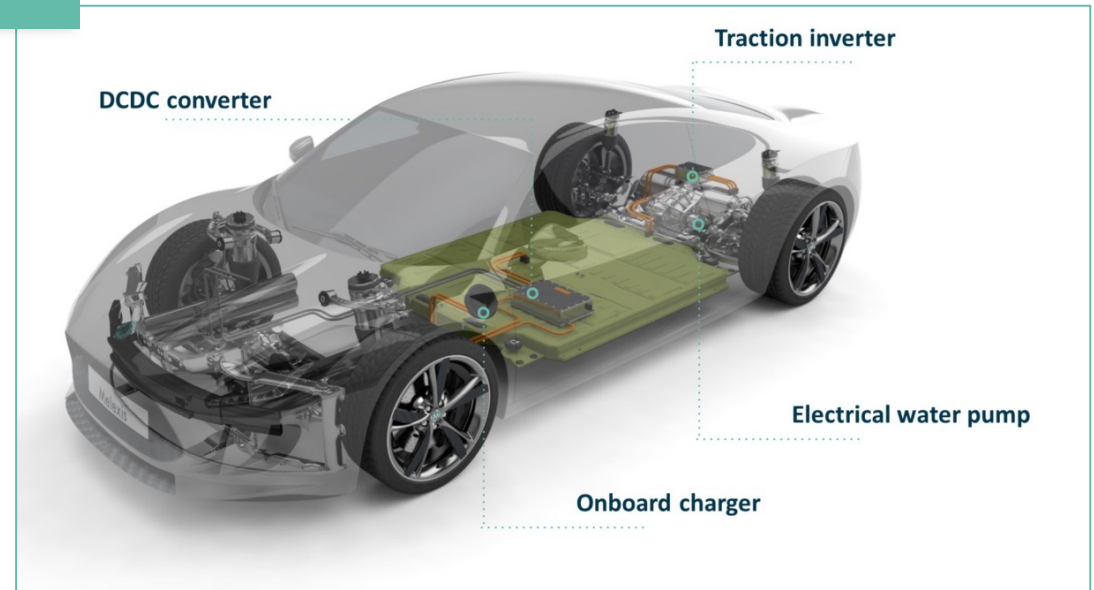
48 Volt Mild Hybrid (mHEV)



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



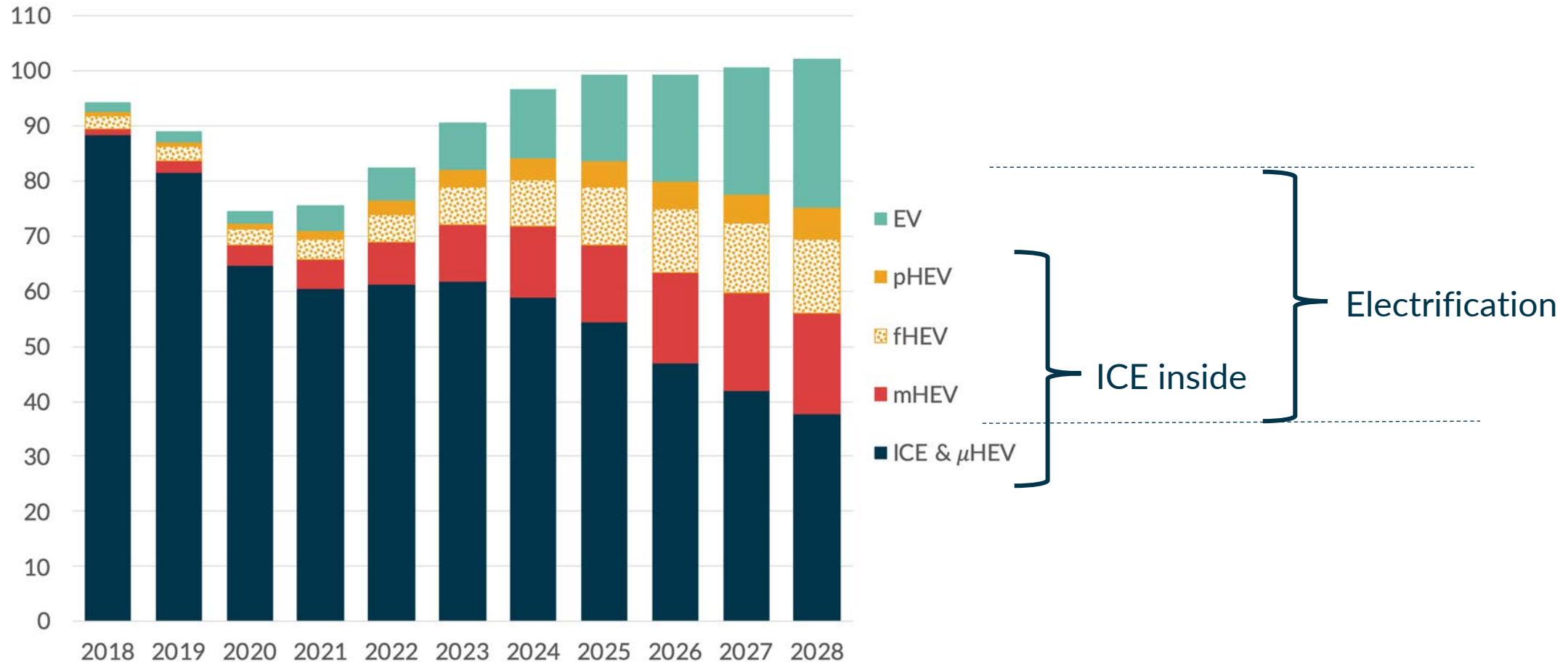
Electric Vehicle (BEV – FCEV)



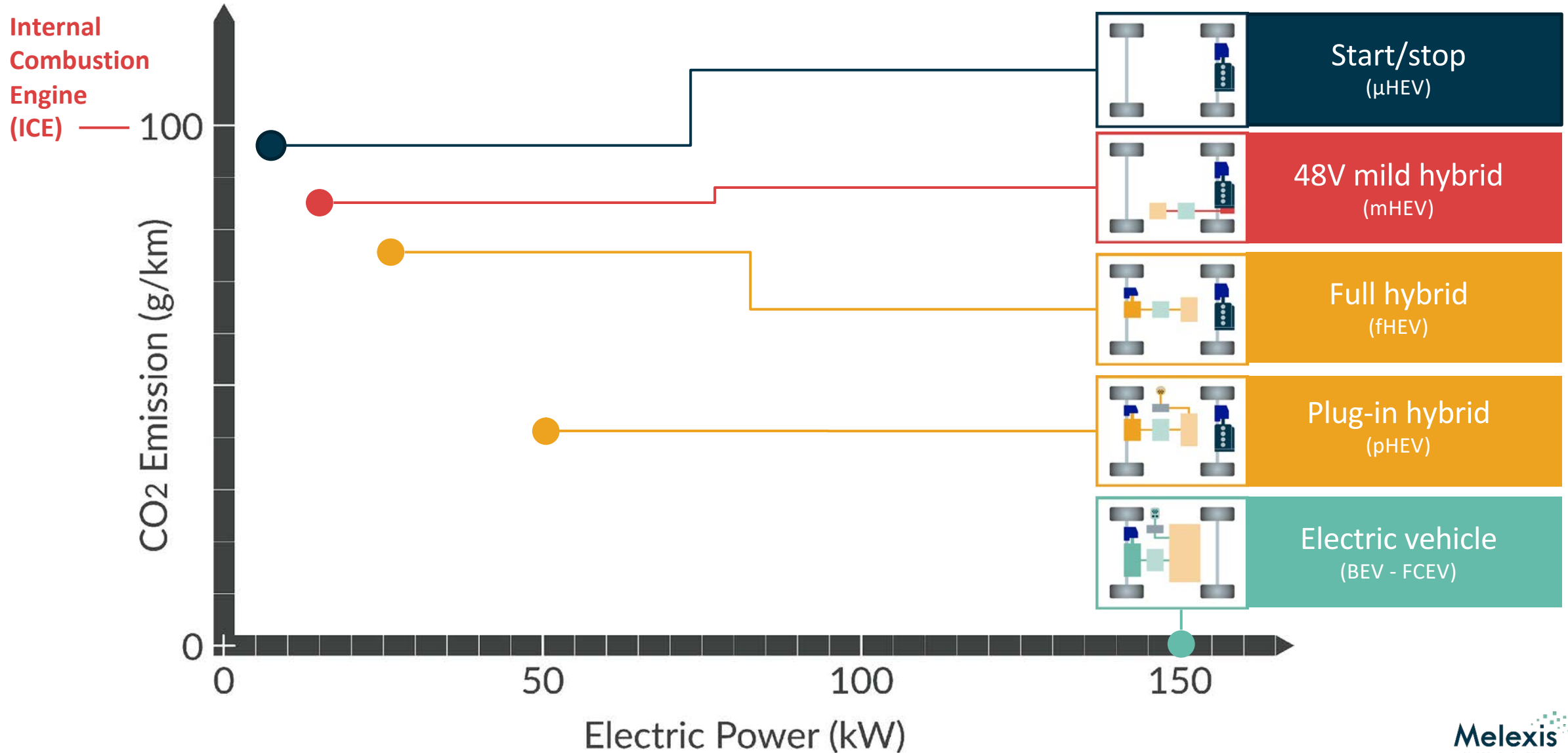
Global vehicle production (million units)



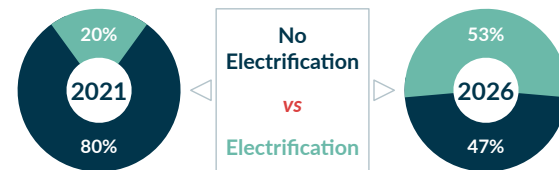
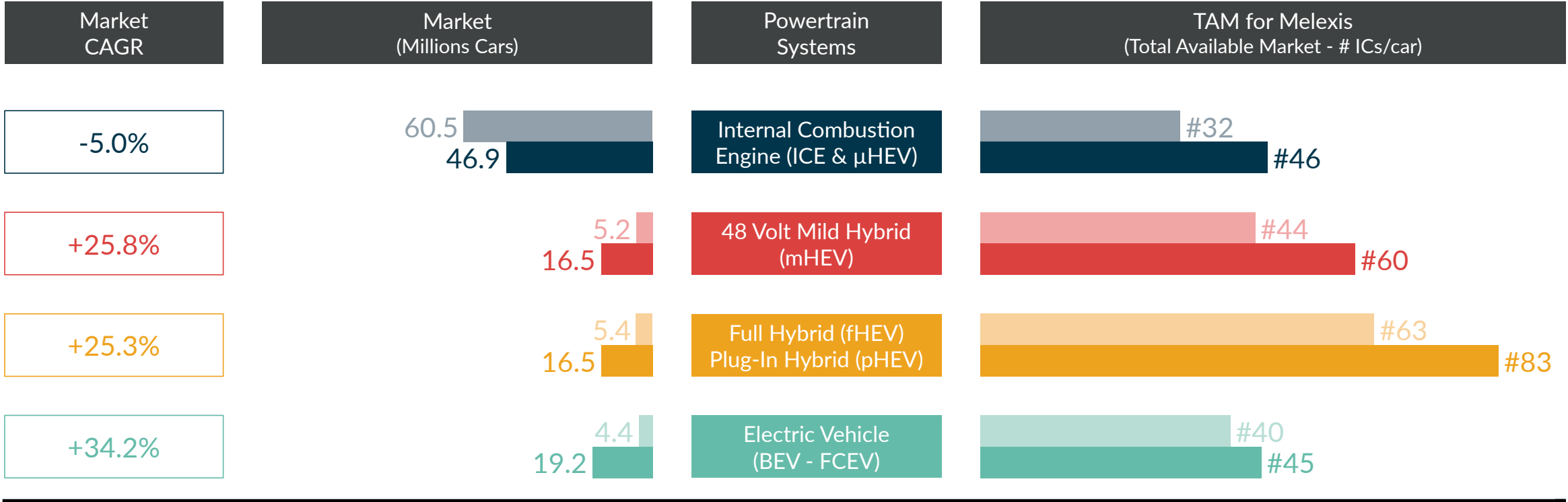
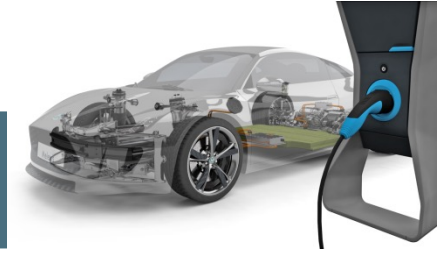
Electrification – Segmentation – Market Split



Automotive - From 10 to 20 (ICs/car)



Powertrain Systems



Chassis

Braking – Steering – Suspension



Body

Lighting – HVAC – HMI - Others



Safety

(Passive)



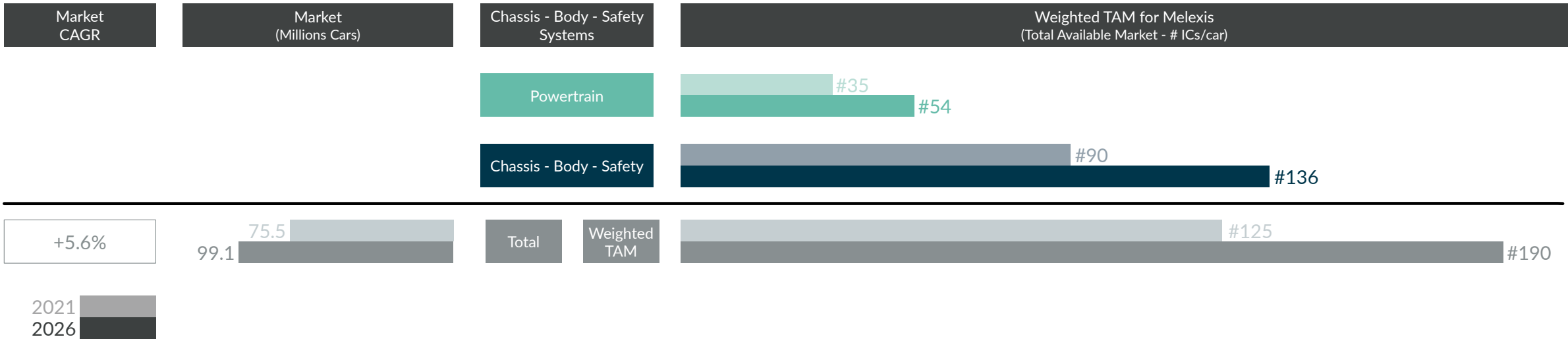
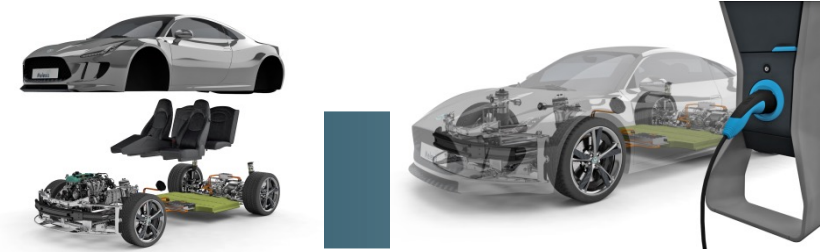
Source visuals: BMW
<https://www.autozeitung.de/klimaanlage-auto-wartung-funktion-187651.html>
<http://fertyimg.pw/Cremallera-de-direccin-hidraulica-Nissan-Tecnologia-t.html>



Chassis – Body – Safety Systems

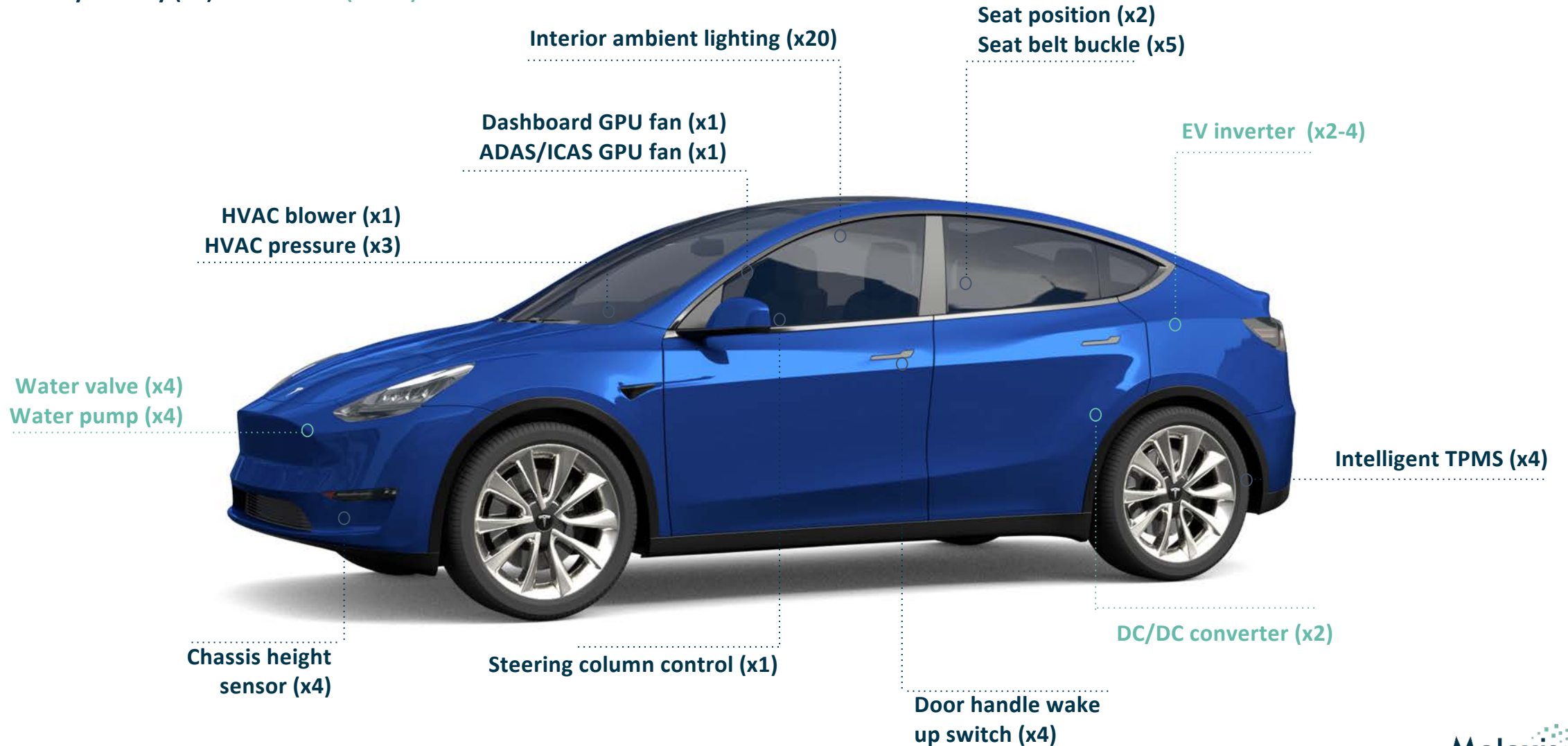


Melexis in automotive



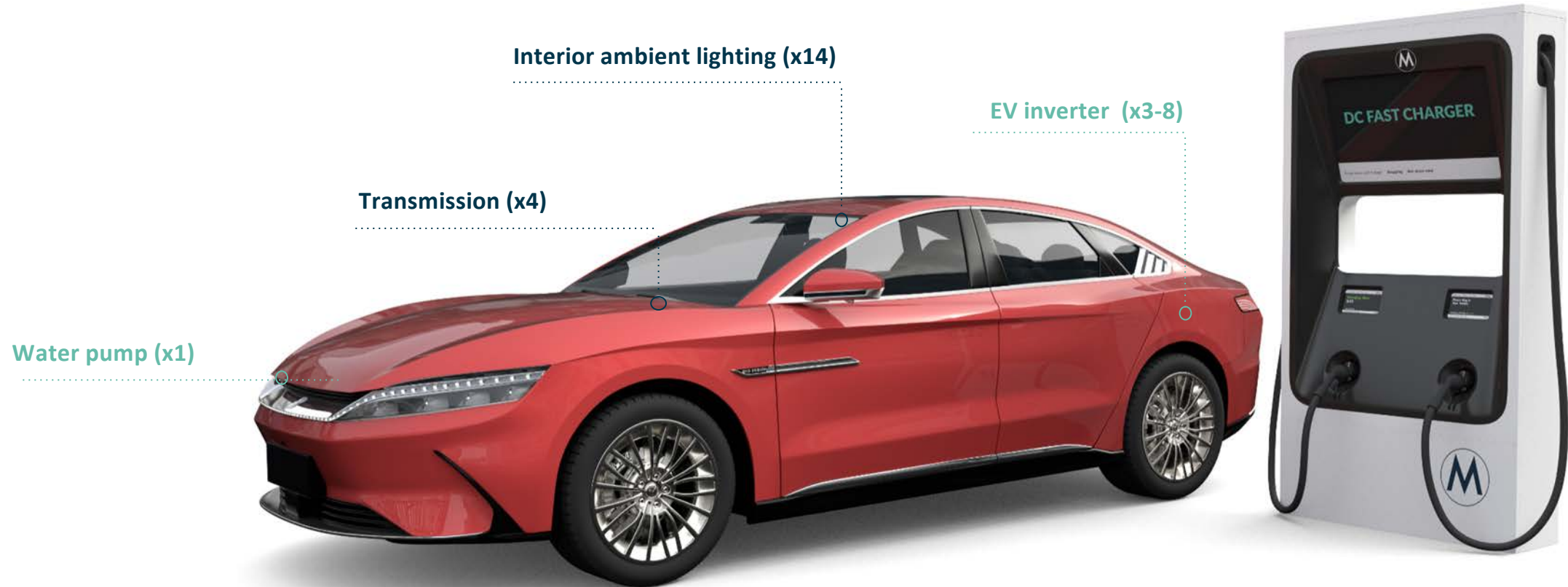
Tesla Model Y / Models X, S and 3

Chassis - Body - Safety (46) Powertrain (12-14)



BYD Han / BYD Dynasty Series 王朝系列

Chassis - Body - Safety (18) Powertrain (4-9)



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



Carbon-neutral

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



Alternative Mobility

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

Well-being

health, medical, wearable, gaming...



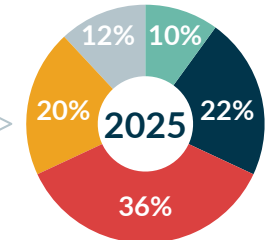
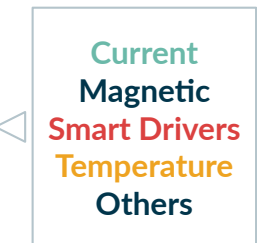
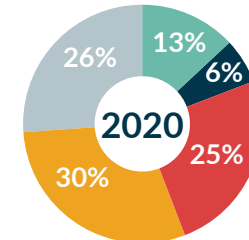
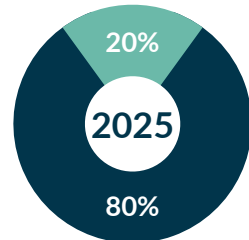
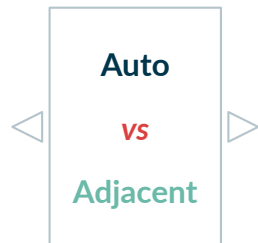
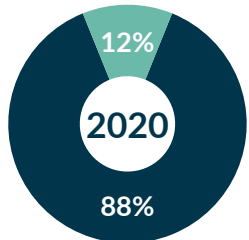
Robotics

automation, assisting, social interaction...



Computing & Networking

cooling, power management...

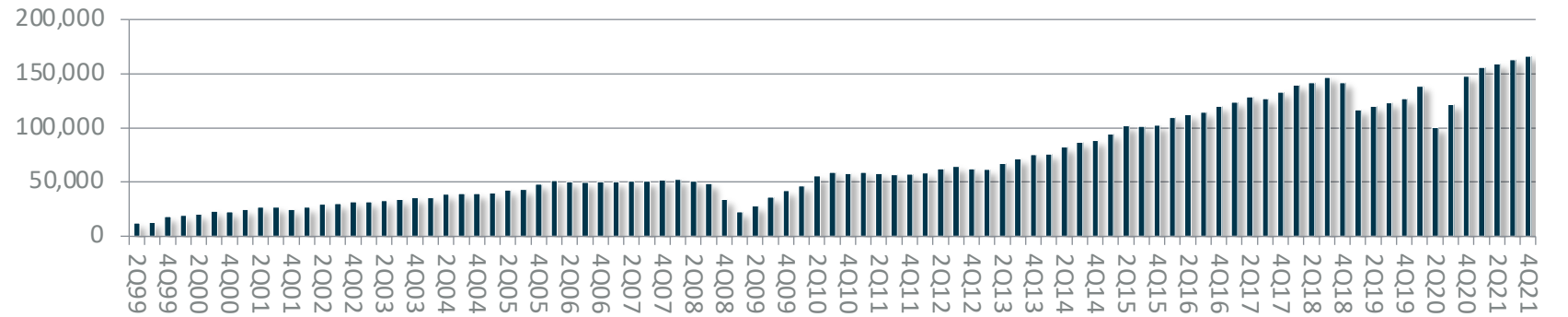


Evolution financials 1999-2021

Turnover

Q4 2021: 166.2 mln EUR

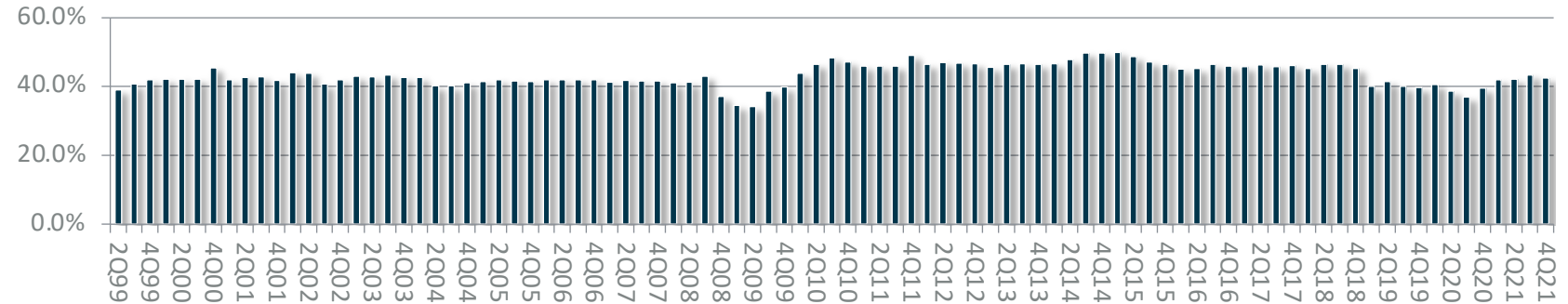
FY 2021: 643.8 mln EUR



Gross profit margin

Q4 2021: 42.5%

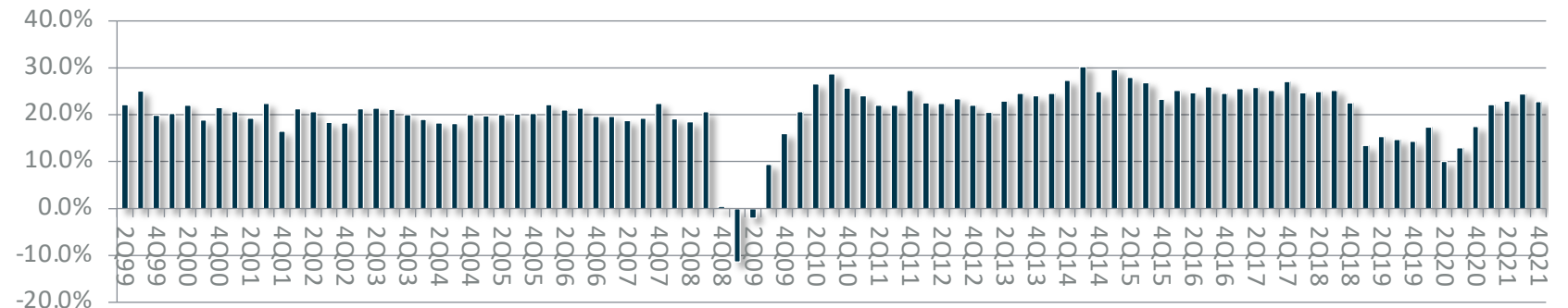
FY 2021: 42.5%



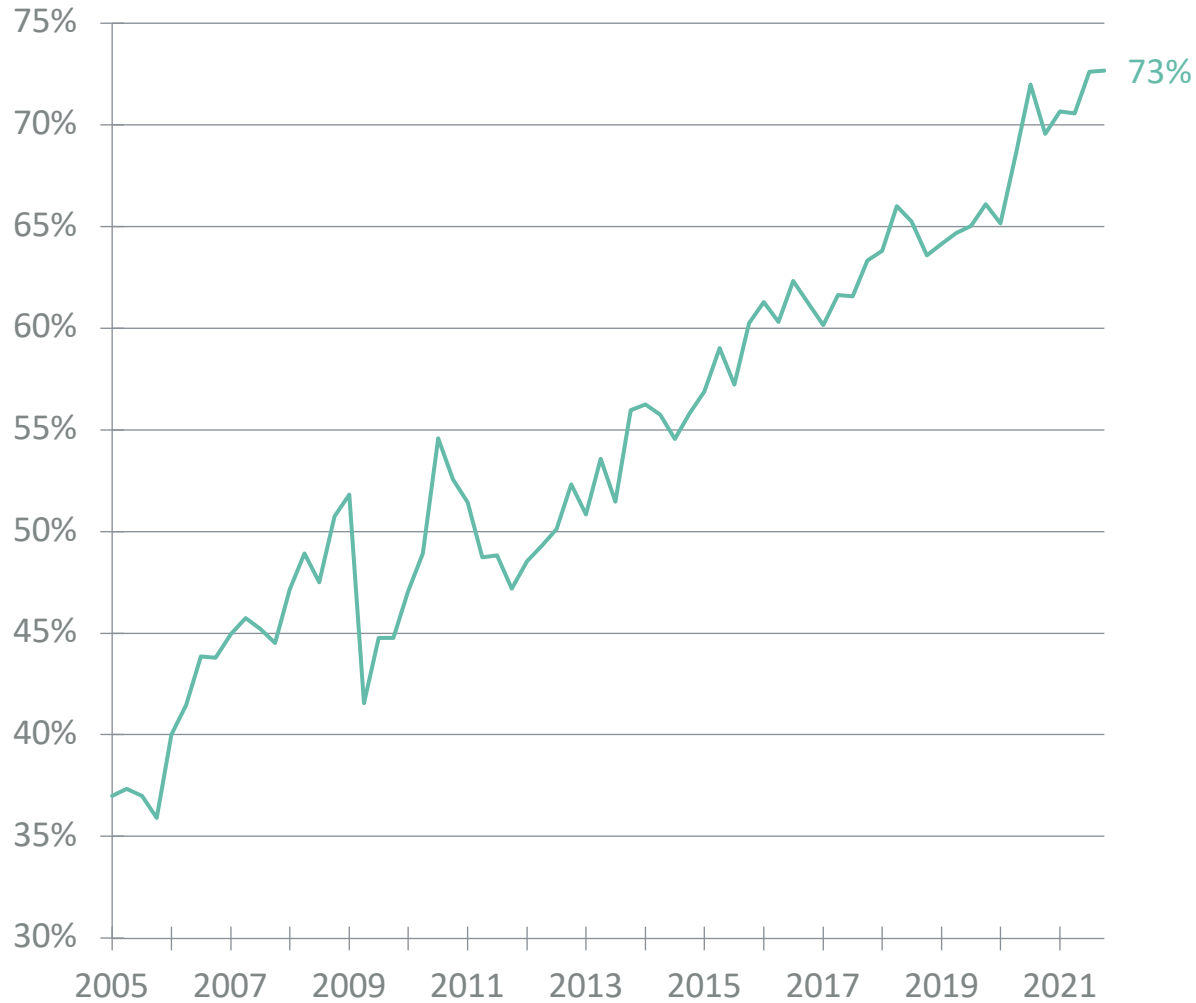
Operating margin

Q4 2021: 22.8%

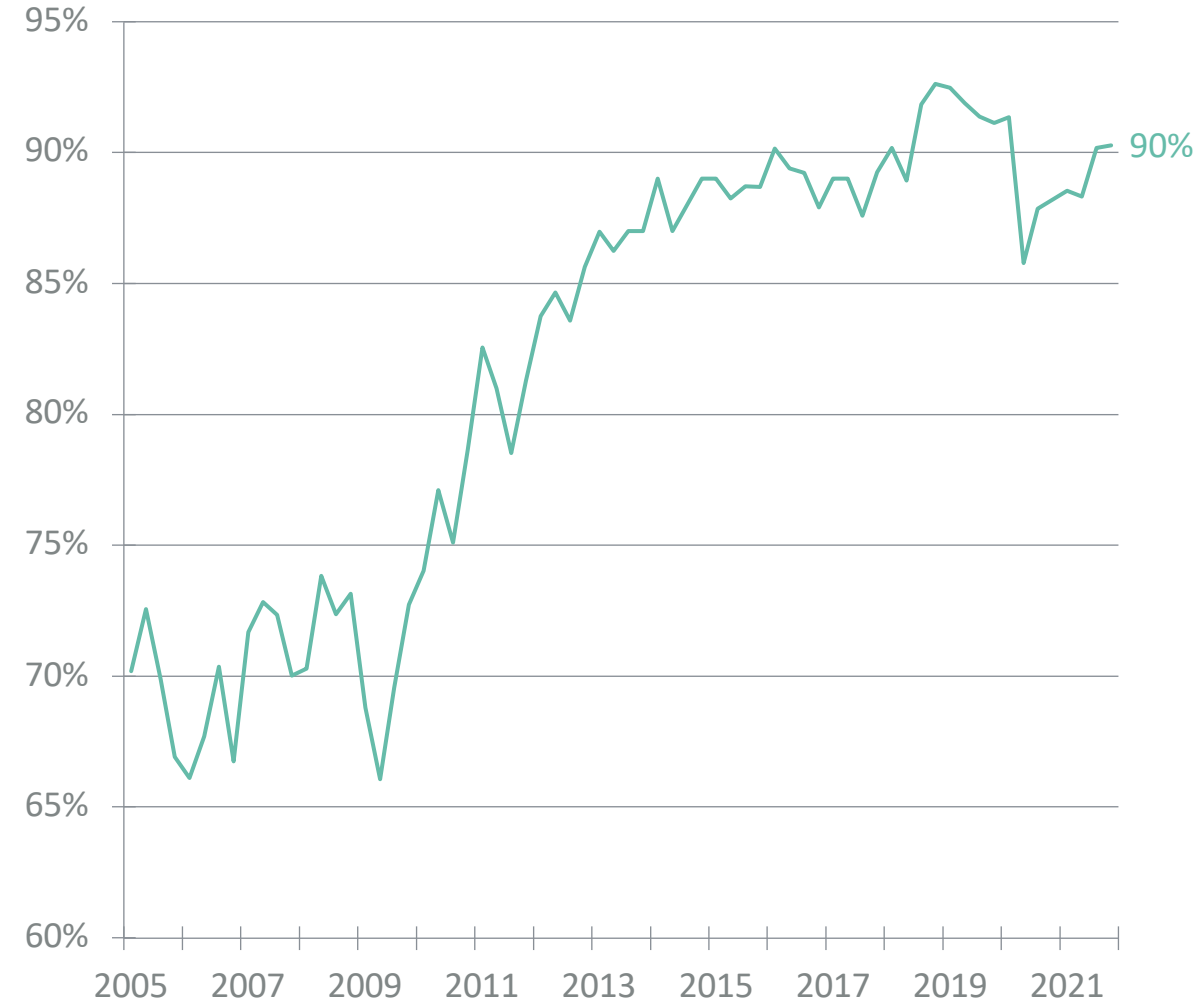
FY 2021: 23.1%



% ASSP sales



% automotive sales



Q4 2021 results at a glance

Sales

166.2m EUR

+13% Y-o-Y

Gross margin

42.5%

70.6m EUR

+21% Y-o-Y

Operating result

22.8%

37.8m EUR

+47% Y-o-Y

Net result

0.82 EPS

33.3m EUR

+39% Y-o-Y

Oper. cash flow

(before wcap change)

41.8m EUR

-1% Y-o-Y

Net cash

35.0m EUR

Outlook

Melexis expects sales in the first quarter of 2022 to be in the range of 177 to 183 million euro.

For the full year 2022, Melexis expects sales growth between 12% and 17%, with a gross profit margin around 42% and an operating margin around 23% at the midpoint of the sales guidance, all taking into account a EUR/USD exchange rate of 1.13.

For the full year 2022, Melexis expects CAPEX to be around 45 million EUR.

Profit & loss

Q4 2021 versus Q4 2020 versus Q3 2021

P&L account (in million EUR)	Q4 2021	% of Sales	Q4 2020	% of Sales	Q3 2021	% of Sales
Sales	166.2	100.0%	147.4	100.0%	162.8	100.0%
Cost of goods sold	-95.6	-57.5%	-89.1	-60.5%	-92.2	-56.6%
Gross margin	70.6	42.5%	58.3	39.5%	70.6	43.4%
R&D	-20.0	-12.0%	-20.2	-13.7%	-19.6	-12.0%
G&A	-8.8	-5.3%	-8.6	-5.9%	-7.8	-4.8%
Selling	-4.0	-2.4%	-3.6	-2.5%	-3.6	-2.2%
EBIT	37.8	22.8%	25.8	17.5%	39.7	24.4%
Net financial result	1.9	1.2%	1.2	0.8%	3.0	1.9%
Income taxes	-6.5	-3.9%	-3.0	-2.0%	-6.2	-3.8%
Net profit	33.3	20.0%	24.0	16.3%	36.5	22.4%
Earnings per share	0.82		0.59		0.90	

FY 2021 results at a glance

Sales

643.8m EUR

+27% Y-o-Y

Gross margin

42.5%

273.6m EUR

+38% Y-o-Y

Operating result

23.1%

148.4m EUR

+97% Y-o-Y

Net result

3.25 EPS

131.1m EUR

+89% Y-o-Y

Oper. cash flow

(before wcap change)

192.3m EUR

+64% Y-o-Y

Net cash

35.0m EUR

Outlook

Melexis expects sales in the first quarter of 2022 to be in the range of 177 to 183 million euro.

For the full year 2022, Melexis expects sales growth between 12% and 17%, with a gross profit margin around 42% and an operating margin around 23% at the midpoint of the sales guidance, all taking into account a EUR/USD exchange rate of 1.13.

For the full year 2022, Melexis expects CAPEX to be around 45 million EUR.

Profit & loss

FY 2021 versus FY 2020

P&L account (in million EUR)	FY 2021	% of Sales	FY 2020	% of Sales
Sales	643.8	100.0%	507.5	100.0%
Cost of goods sold	-370.2	-57.5%	-309.5	-61.0%
Gross margin	273.6	42.5%	198.0	39.0%
R&D	-78.4	-12.2%	-77.7	-15.3%
G&A	-32.1	-5.0%	-30.9	-6.1%
Selling	-14.7	-2.3%	-13.8	-2.7%
Other operating result		0.0%		0.0%
EBIT	148.4	23.1%	75.5	14.9%
Net financial result	5.9	0.9%	0.4	0.1%
Income taxes	-23.2	-3.6%	-6.6	-1.3%
Net profit	131.1	20.4%	69.3	13.7%
Earnings per share	3.25		1.72	

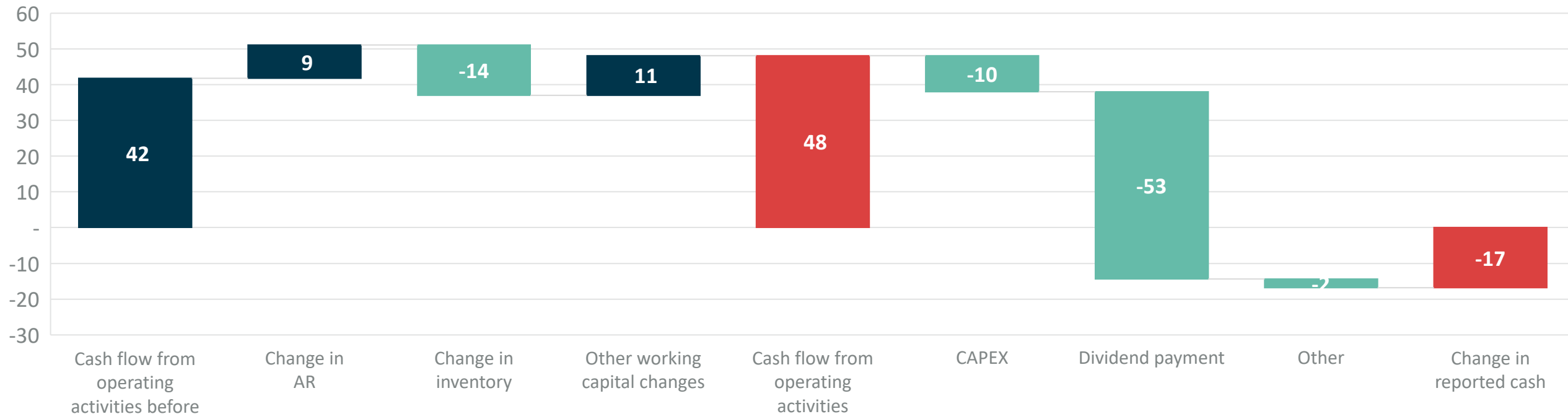
Balance sheet

Q4 2021 versus Q4 2020 versus Q3 2021

Balance Sheet (in million EUR)	Q4 2021	Q4 2020	Q3 2021
Total assets	461.2	433.4	478.9
Current assets			
Cash	35.0	58.9	51.8
Inventory	144.5	123.5	131.3
A/R Trade	80.2	65.1	85.8
Non-current assets	169.3	170.0	169.6
Shareholders' equity	389.1	314.8	407.8
Interest bearing debt	0.0	62.0	0.0
Long term	0.0	62.0	0.0
Short term	0.0	0.0	0.0

Q4 2021 cash flow

MIn. EUR

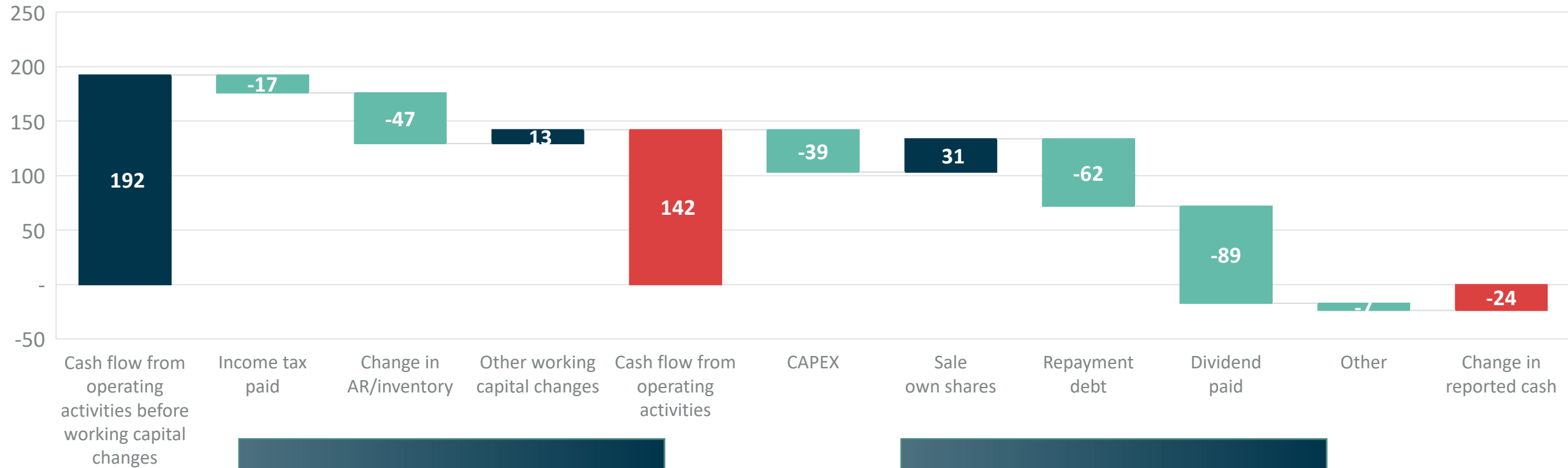


Free cash flow of 38m EUR in 4Q21 (30m EUR in 4Q20)

53m EUR dividend paid to the shareholders of Melexis in 4Q21

FY 2021 cash flow

Mln. EUR

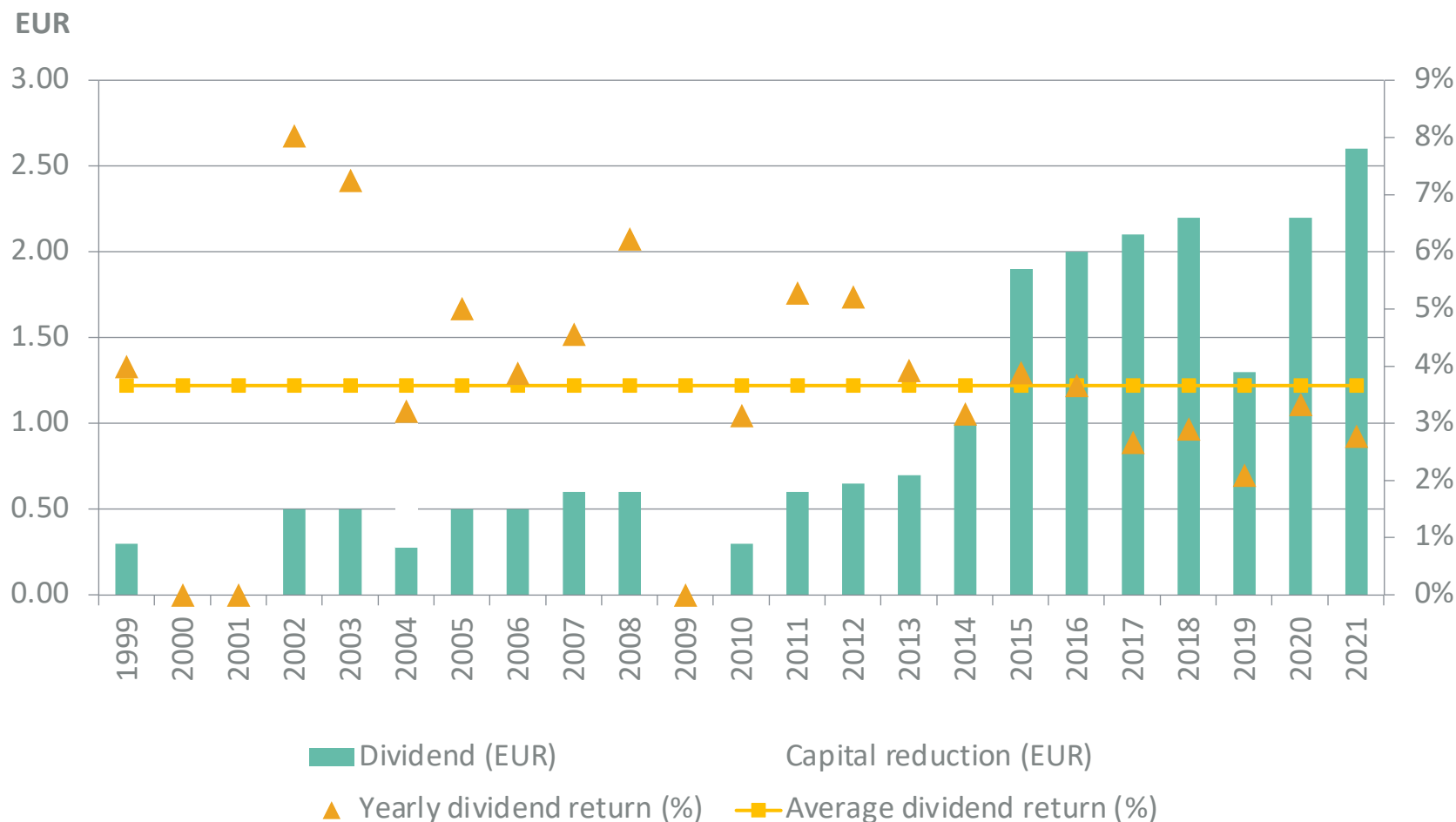


Free cash flow of 103m EUR in 2021 (71m EUR in 2020)

89m EUR dividend paid to the shareholders of Melexis in 2021

Dividend yield

Based on average share price

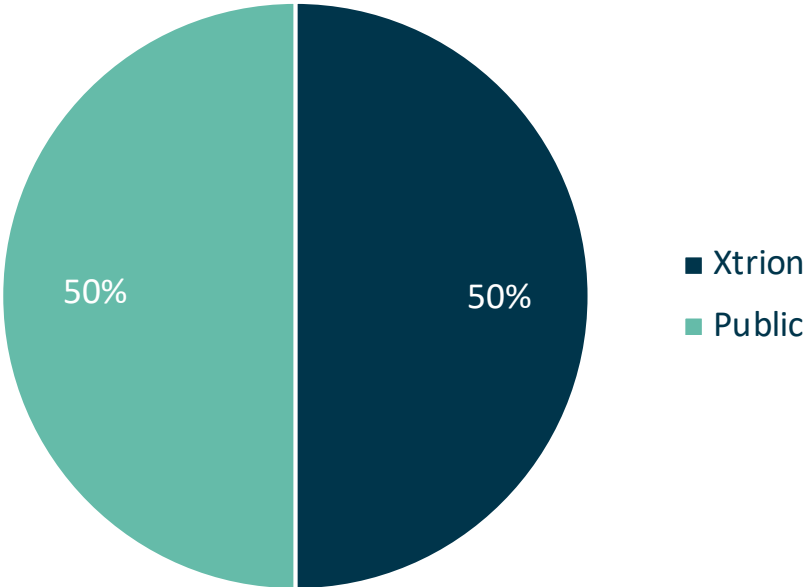


Gross dividend per share (EUR)	
2005	0.50
2006	0.50
2007	0.60
2008	0.60
2009	0.00
2010	0.30
2011	0.60
2012	0.65
2013	0.70
2014	1.00
2015	1.90
2016	2.00
2017	2.10
2018	2.20
2019	1.30
2020	2.20
(**) 2021	2.60

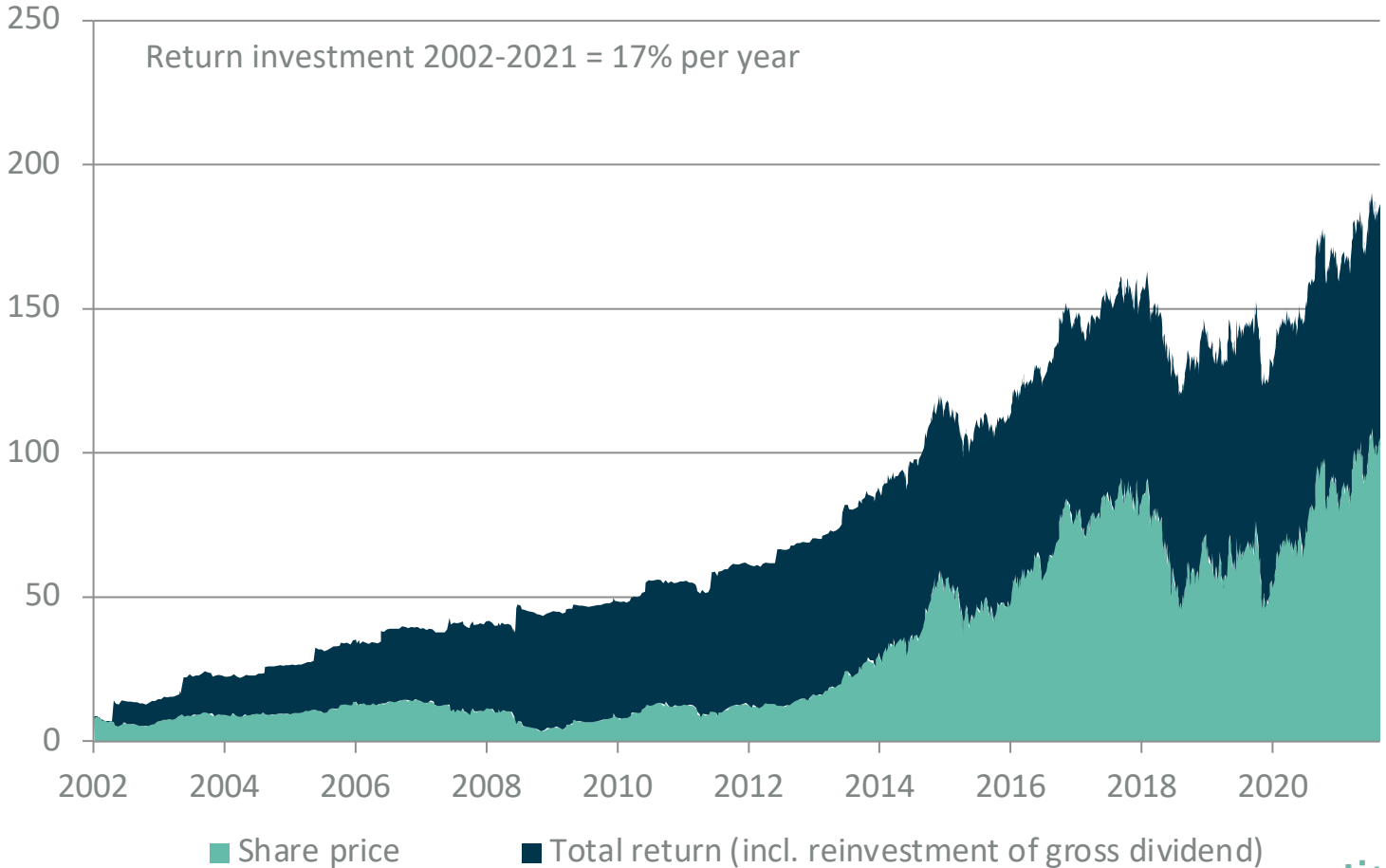
(**) 1.30 final dividend payable as from May 13, 2022

Shareholders structure & shareholder return

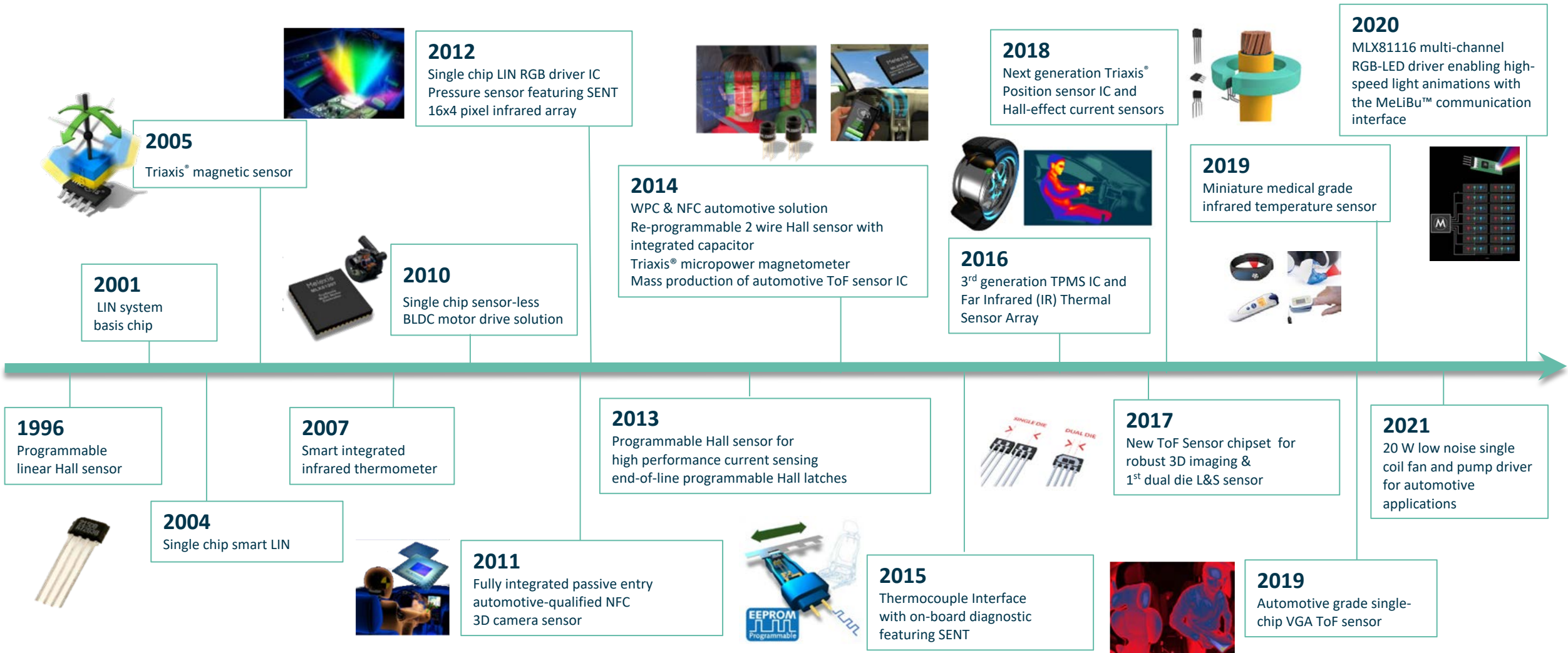
Shareholder structure on 30 December 2021



Shareholder Return 2002-2021



Industry firsts from Melexis



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