



VFB

25th of March 2017



Agenda

- ✓ Trends
- ✓ The automotive market
- ✓ Growth drivers
- ✓ Applications
- ✓ Market position
- ✓ Financial evolution

TREND: ELECTRIC VEHICLES

- Legislation
- Cleaner air
- Reduce oil dependency



TREND: SELF DRIVING CARS

A futuristic, dark-colored self-driving car is shown from a front-facing perspective at night. The car's headlights are on, casting a bright glow. A glowing blue light bar runs horizontally across the front of the car. Below the car, there are glowing blue lines on the road surface, suggesting sensor waves or lane markings. The background is a dark, blurred city street at night.

- Long term
- Environmental & societal benefits
- From science fiction into reality



TREND: ROBOTICS

- Industrial automation
- Collaborative/sensitive robots

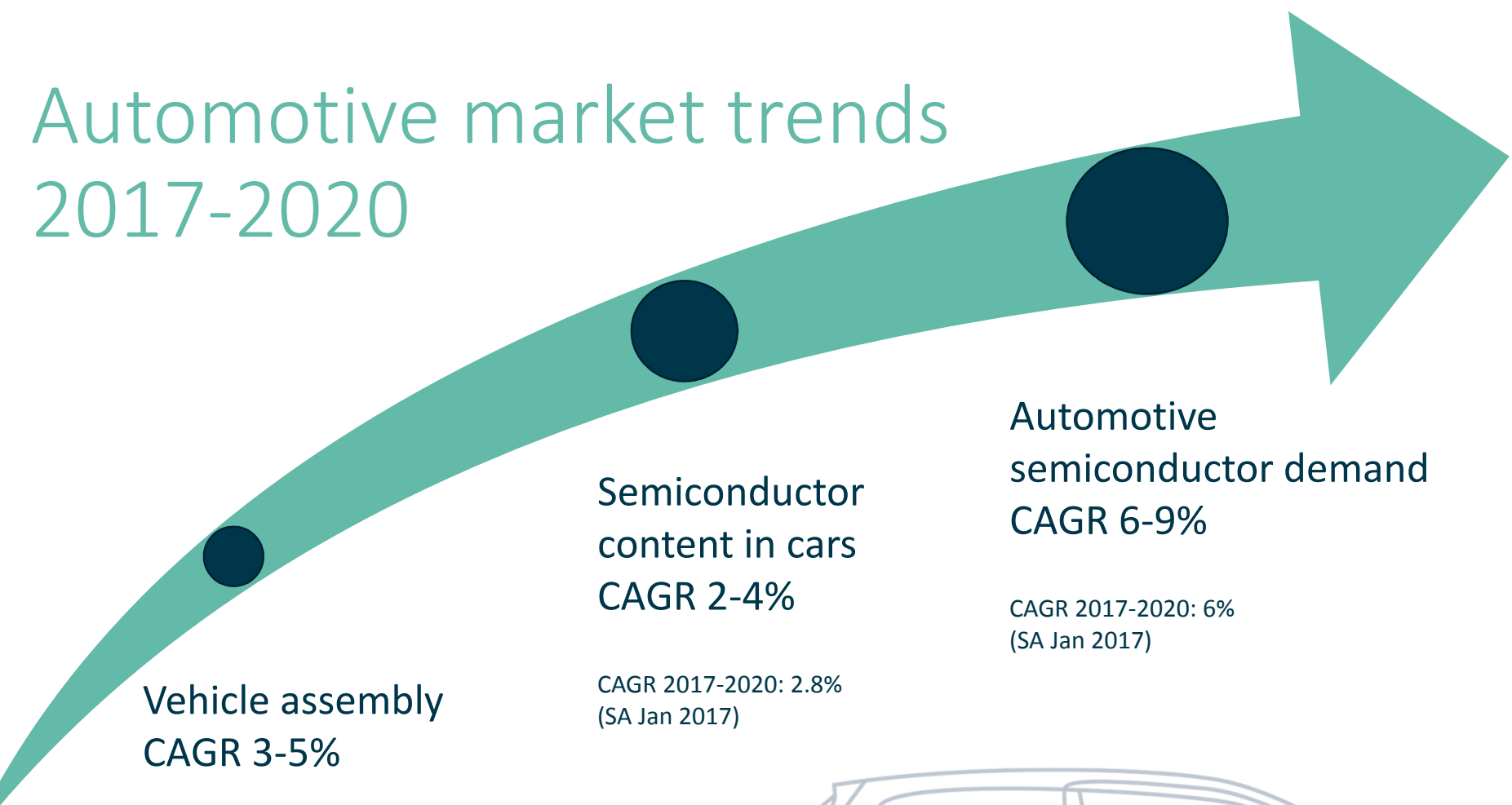
TREND: BIG DATA

- Algorithms - predictive insights
- Sensors are everywhere

What do we do?

We invent, design, market, produce and sell
micro-electronic solutions
that add value to worldwide customers
in automotive, industrial and consumer

Automotive market trends 2017-2020



Vehicle assembly
CAGR 3-5%

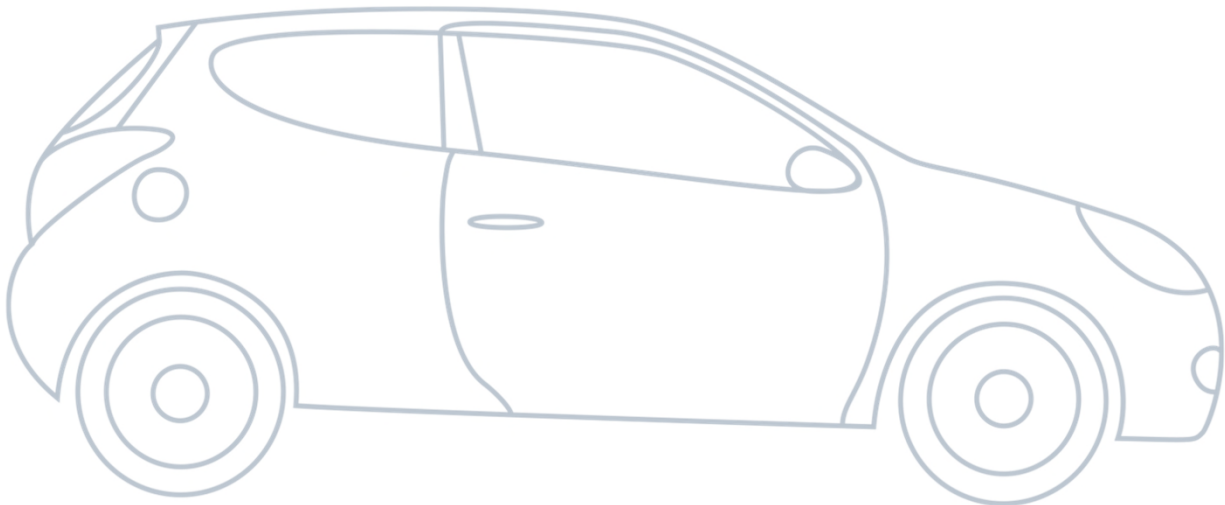
CAGR 2017-2020: 3.3%
(LMC Automotive Q4 2016)

**Semiconductor
content in cars**
CAGR 2-4%

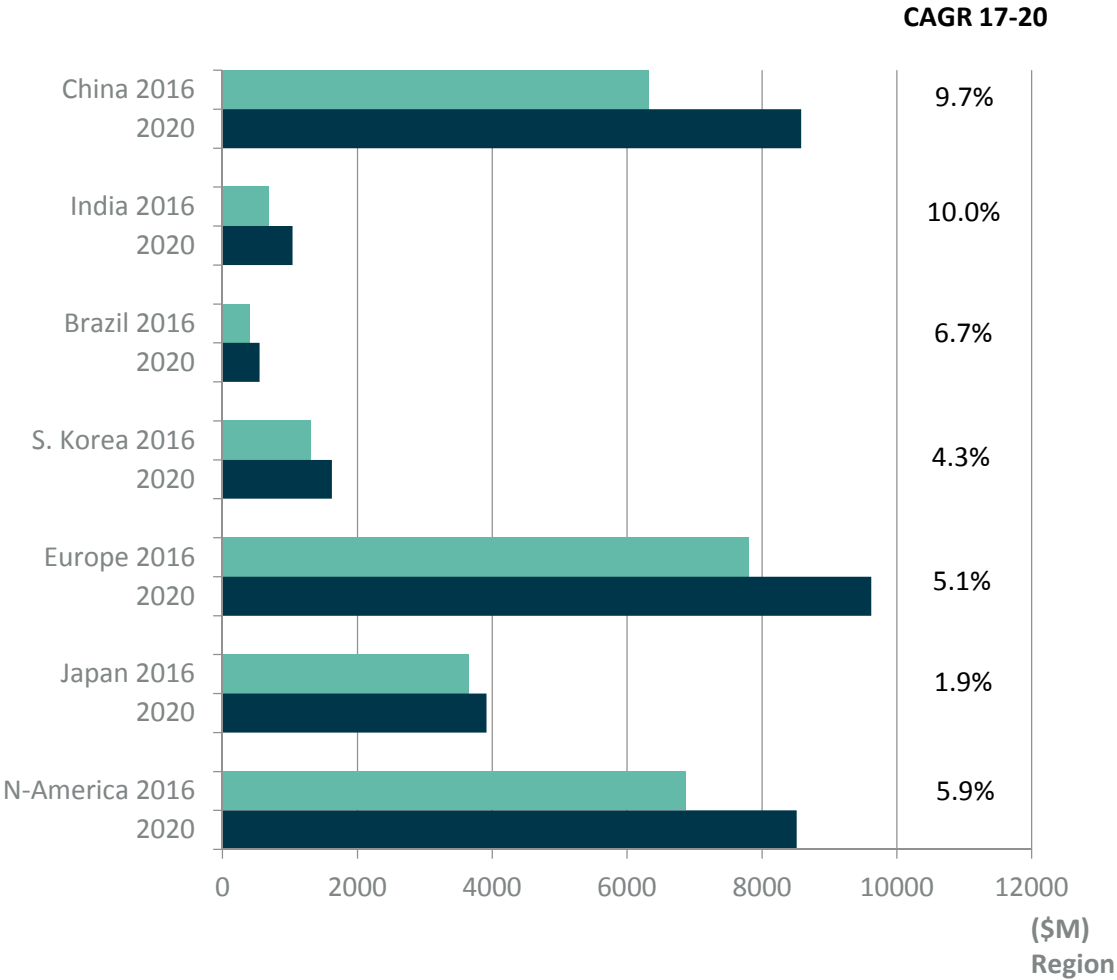
CAGR 2017-2020: 2.8%
(SA Jan 2017)

**Automotive
semiconductor demand**
CAGR 6-9%

CAGR 2017-2020: 6%
(SA Jan 2017)



Automotive semiconductor demand



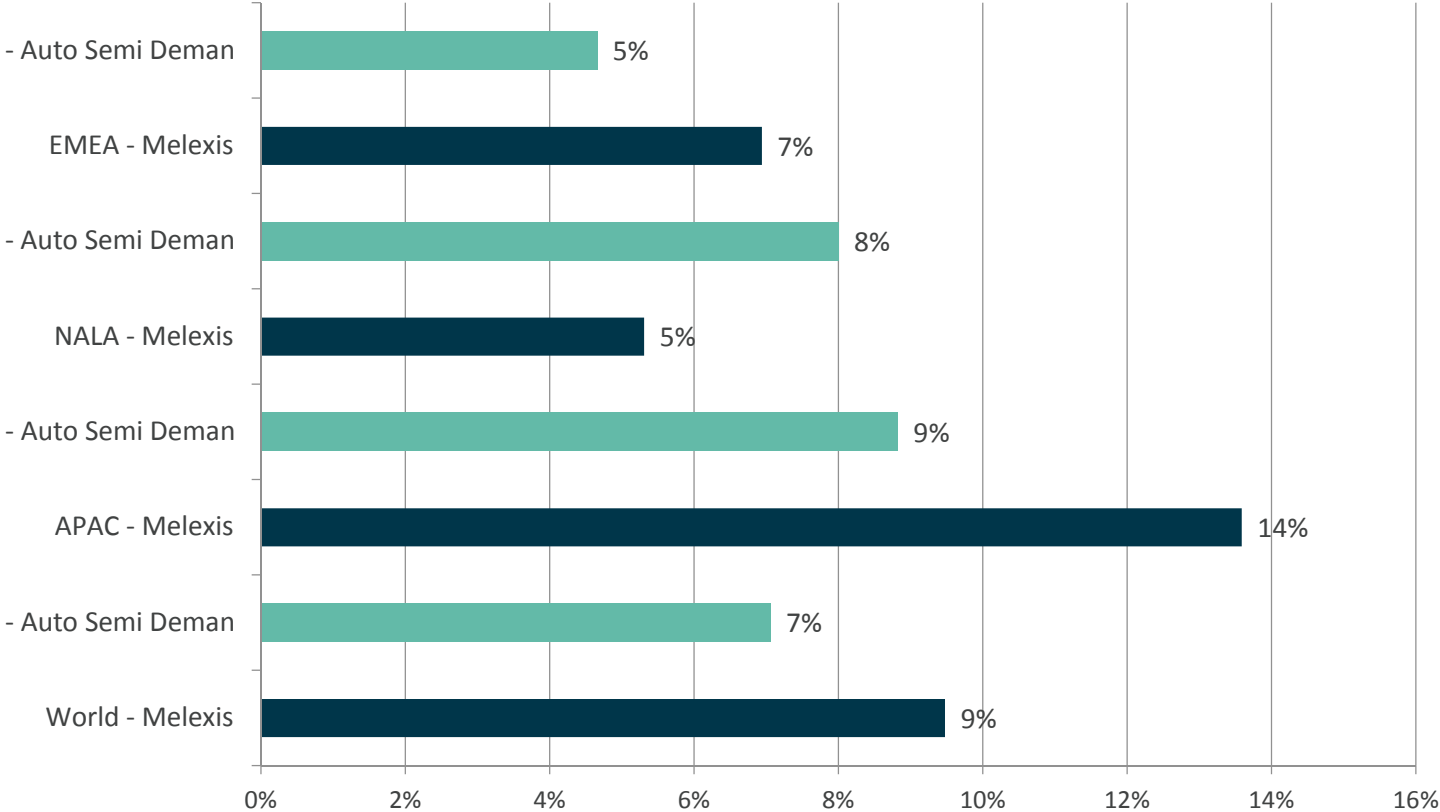
Source: Strategy Analytics Jan 2017
Data grouped by Melexis

Worldwide automotive semiconductor
CAGR 2017 – 2020 = 6.0%

- Main growth drivers:
 - Europe, North-America, Japan
 - Energy efficiency
 - Safety
 - Comfort
 - Asia – BRIC
 - Increasing vehicles
 - Growing demand for sensors
 - Lower emission legislation can be adopted earlier than expected

Melexis growth per geography 2012-2016

China as growth driver



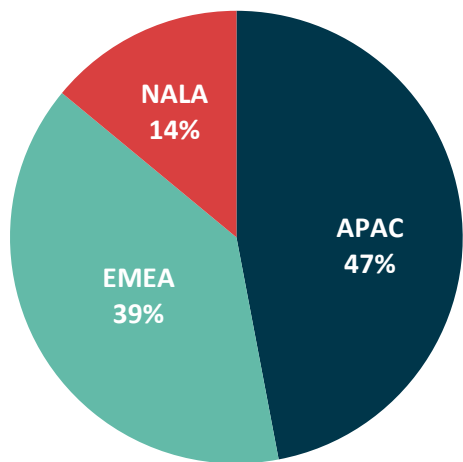
Source: Strategy Analytics Jan 2017 / Melexis
Data grouped by Melexis

CAGR 2012-2016
(in USD)

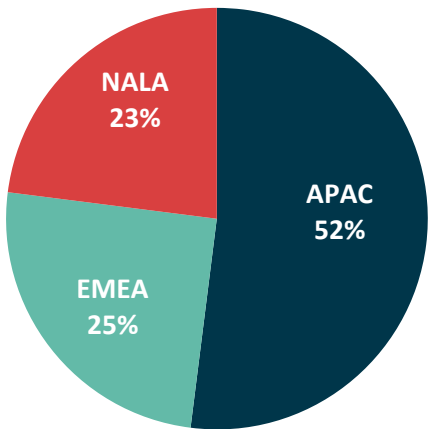
- Melexis outperforms automotive semi growth 9% versus 7% per year in USD
- Melexis outperforms regional growth in EMEA and Asia
- China: 17% growth per year (USD)

Geographies

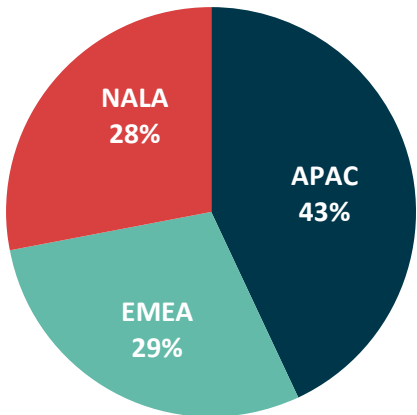
Melexis worldwide geographical split FY 2016



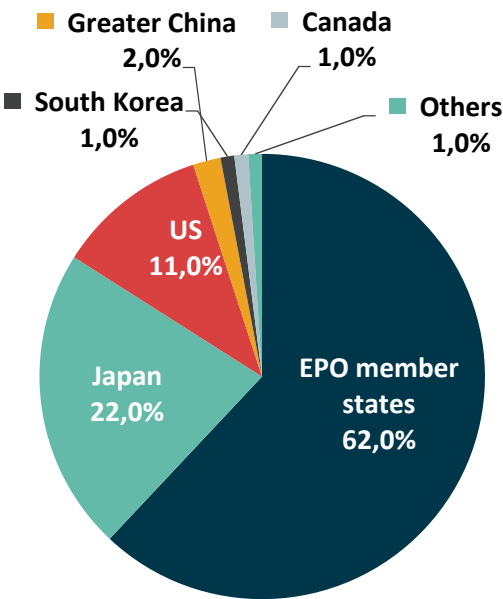
Worldwide vehicle assembly 2016



Worldwide automotive semiconductor demand 2016



Patents granted in the automotive sector 2015



Europe is leading the automotive innovation
=
Melexis playground

Melexis stands for
engineering that
enables the best
imaginable future

SUSTAINABLE



Triaxis[®]

SMART - SAFE



Melexis



STYLISH



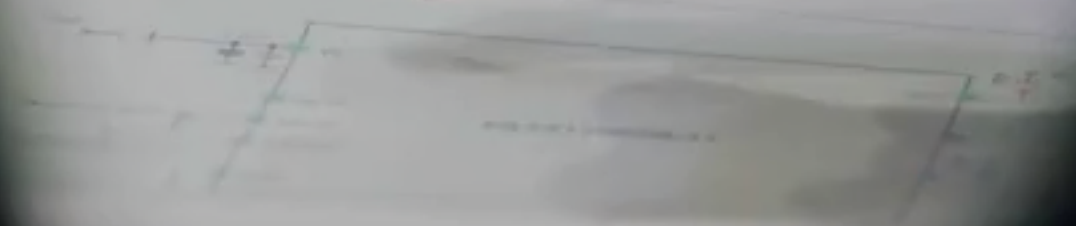
- Internal capacitor outputs
- 33-bit ADC with integrated pre-divider connects to all I/Os
- Internal battery and reference voltage monitor
- LED color compensation as well as aging compensation

Other Features

- Automotive temperature range of -40°C to 125°C
- MLX9132x18 - 80°C thermally enhanced package

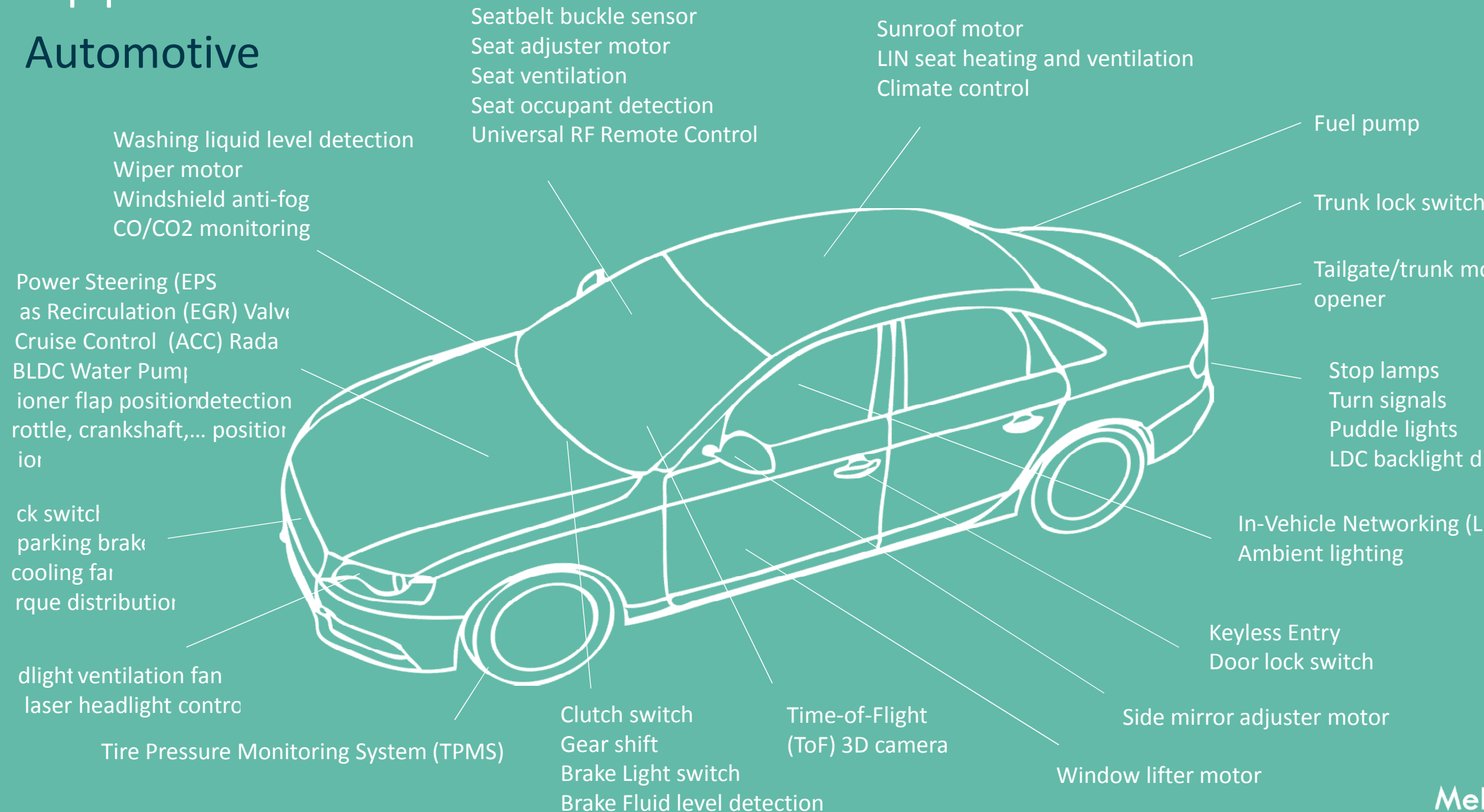


EASY APPLICATION CONFIGURATION



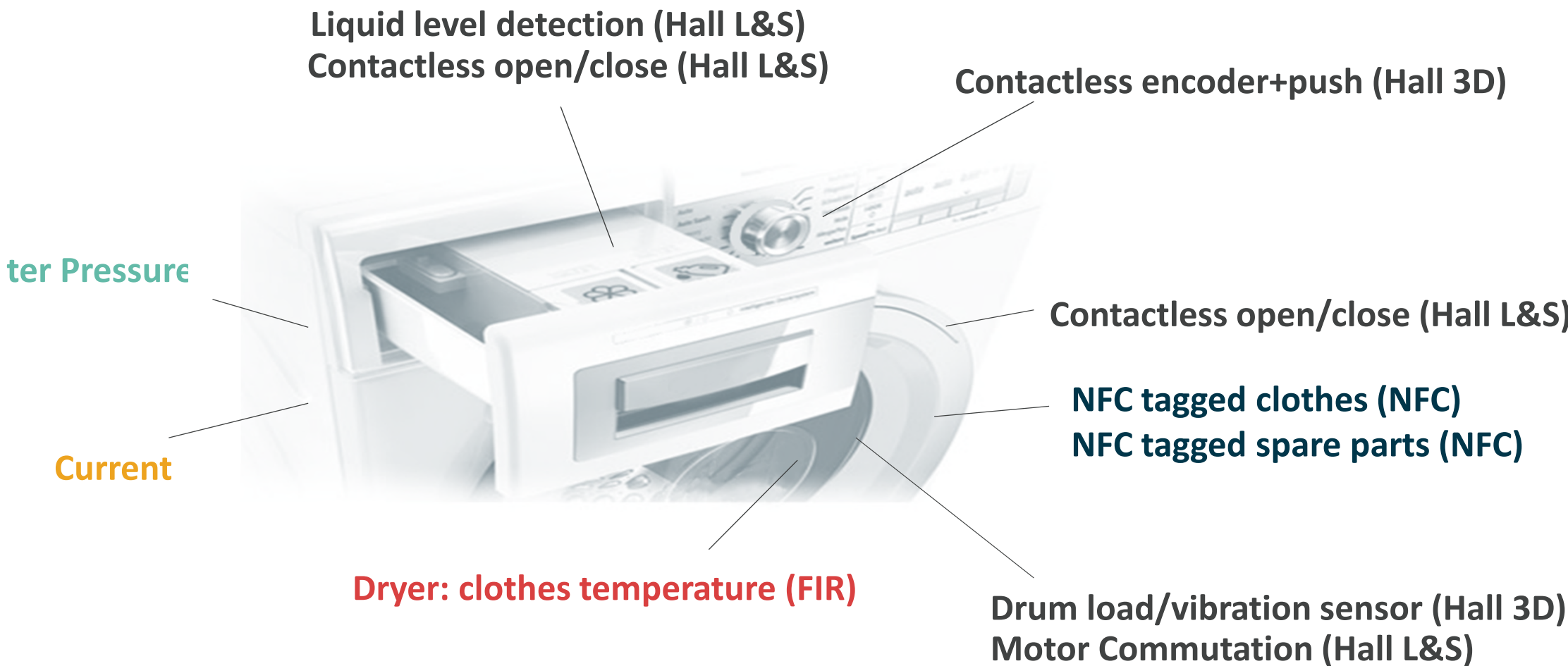
Applications

Automotive



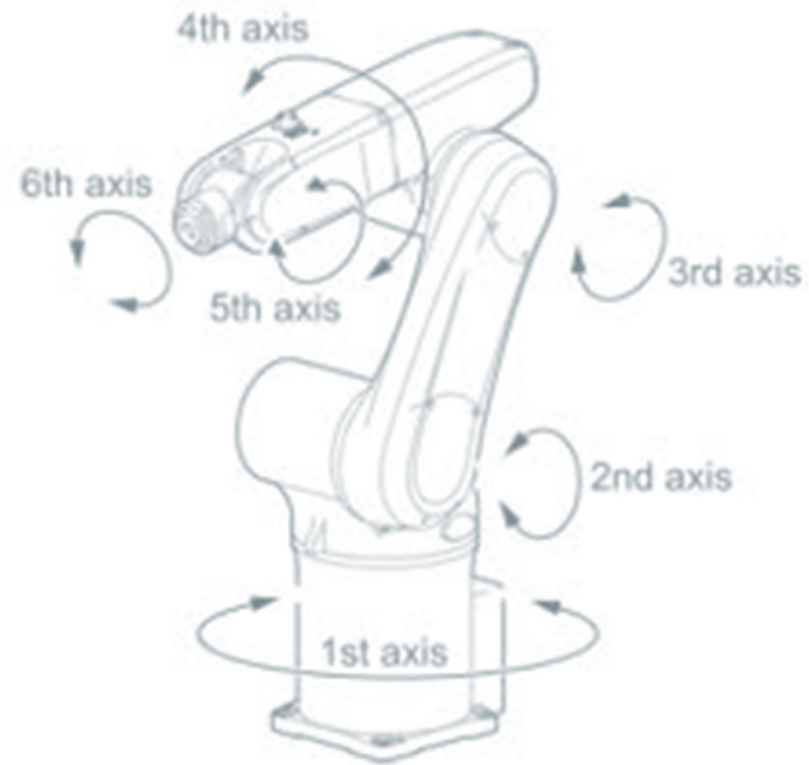
Application

White Goods

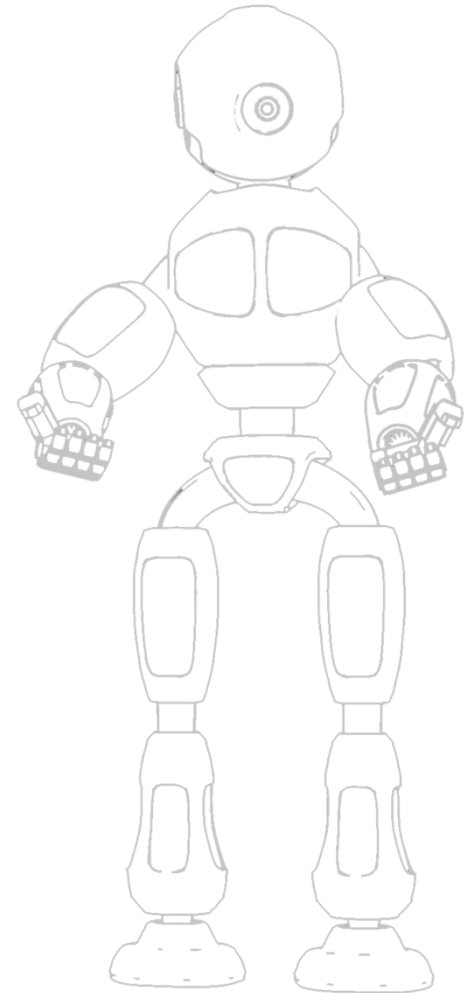


Application

Industrial, humanoids



**Position Sensing
(Hall Switch, 3D Hall)
Motor Commutation
(Hall Latch)
Motor Drivers
Current Sensors**



Our market position



Automotive
semiconductors

14



Automotive
sensors

5



Magnetic
sensors

3



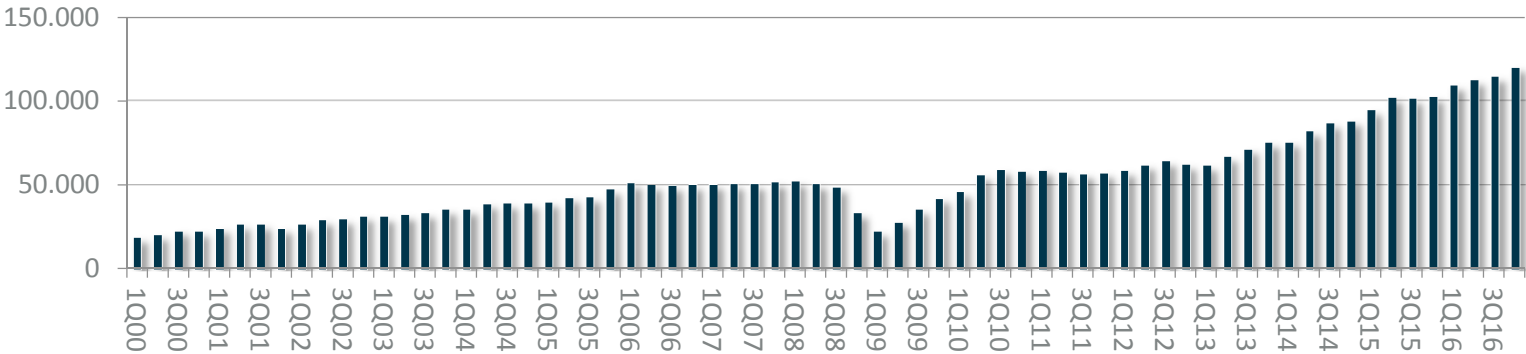
Magnetic
position sensors

1

Evolution financials 2000-2016

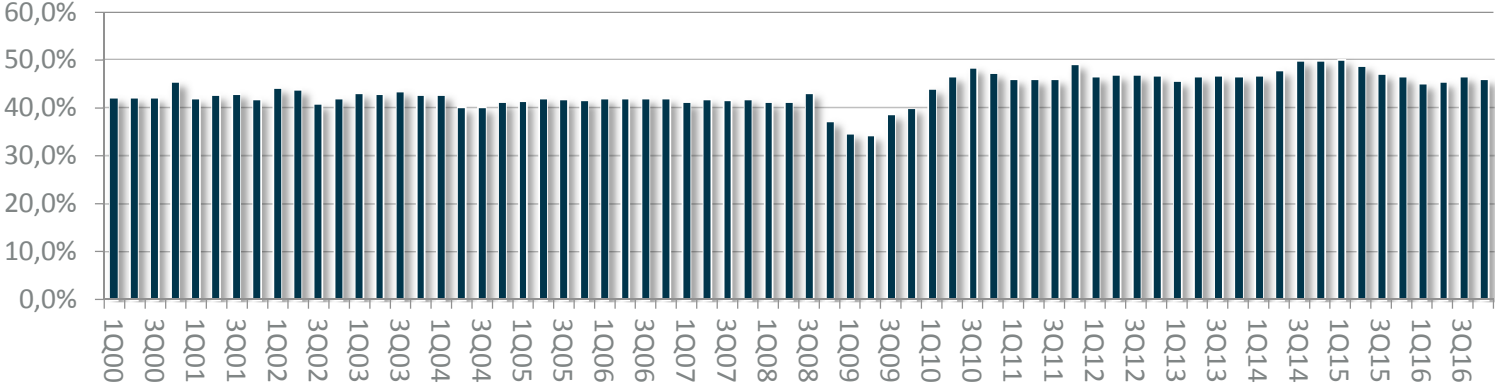
Turnover

Q4 2016: 120.0 mln EUR
FY 2016: 456.3 mln EUR



Gross profit margin

Q4 2016: 46.0%
FY 2016: 45.7%



Operating margin

Q4 2016: 24.5%
FY 2016: 25.1%

