

PRECISION. SAFETY. MOTION.

CAPITAL MARKETS DAY

Amsterdam, 10 September 2020

AGENDA

Introduction

- Strategic overview
- Kendrion foundation
- Business pillars
 - Automotive
 - Industrial Brakes
 - Industrial Actuators and Controls
 - China
- Financial targets
- Questions & answers

CAUTIONARY NOTE REGARDING FORWARD LOOKING STATEMENTS

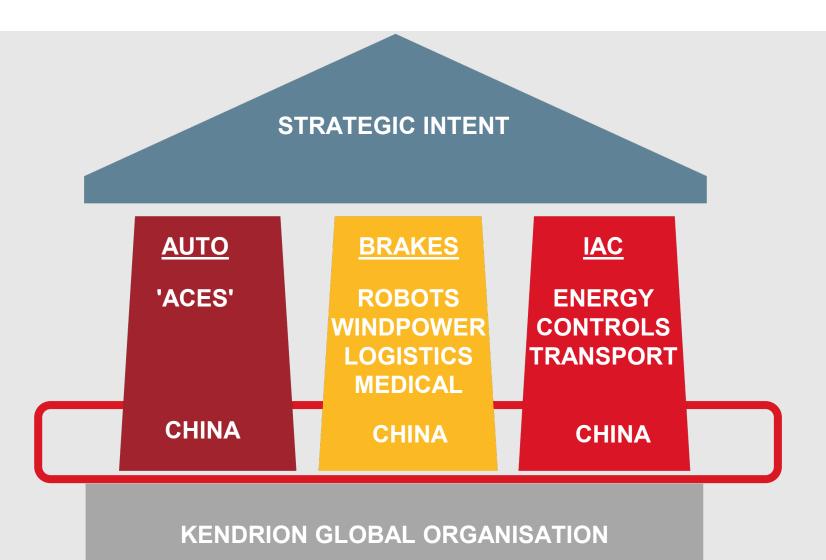
Certain statements contained in this presentation constitute forward-looking statements. These statements may include, without limitation, statements concerning future results of operations, the Company's share of new and existing markets, general industry and macro-economic trends and the Company's performance relative thereto and statements preceded by, followed by or including the words "believes", "expects", "anticipates", "will", "may", "could", "should", "intends", "estimate", "plan", "goal", "target", "aim" or similar expressions. These forward-looking statements rely on a number of assumptions concerning future events and are subject to uncertainties and other factors, many of which are outside the Company's control that could cause actual results to differ materially from such statements.

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KENDRION STRATEGIC HOUSE



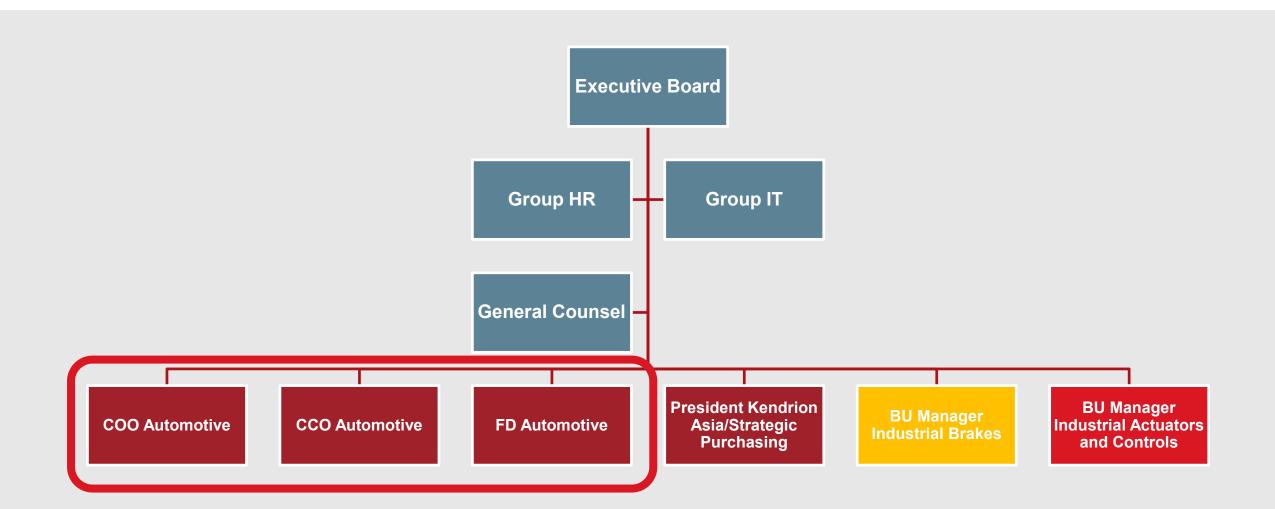
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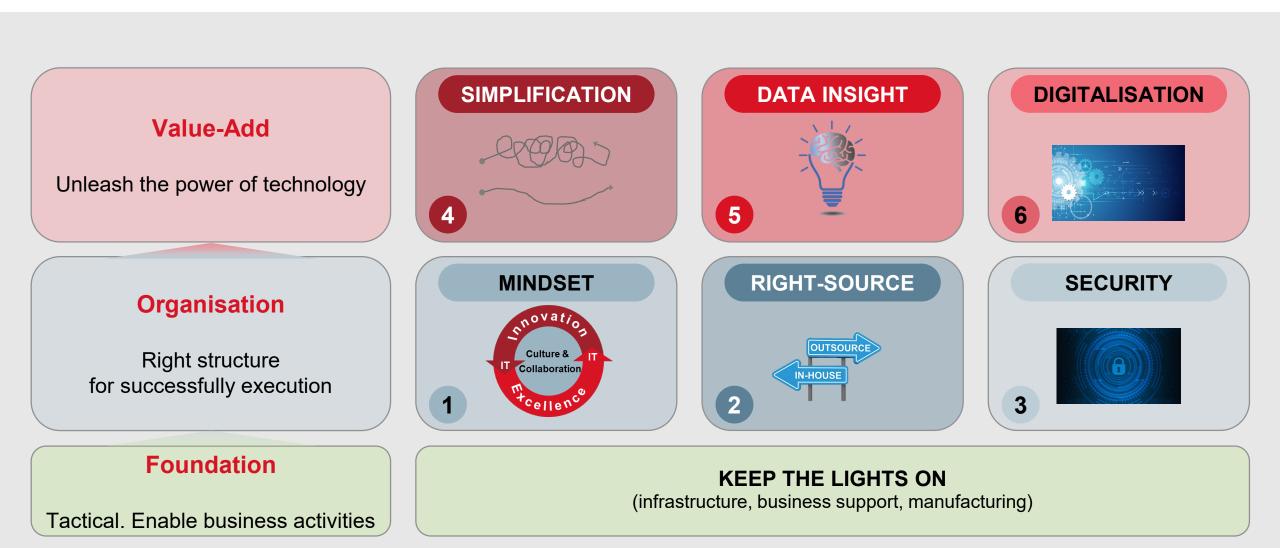
KENDRION ORGANISATION





PRECISION. SAFETY. MOTION.

IT STRATEGIC FRAMEWORK





IT KEY INITIATIVES

In Progress

KENDRION

Strengthen the organisation. Prepare for the future

- Strengthened IT with new leadership
- Rolled out comprehensive security framework
- Invested in **Mobile Workplace.** Made working from home seamless
- Outsourcing commodity activity

To Come

Leverage technology To drive business performance

- Implement Data Science for intelligent automation
- Push Digitalisation of back office and manufacturing
- Complete the **INTORQ integration**, delivering synergies
- **Modernise applications.** Harmonise processes, increase automation

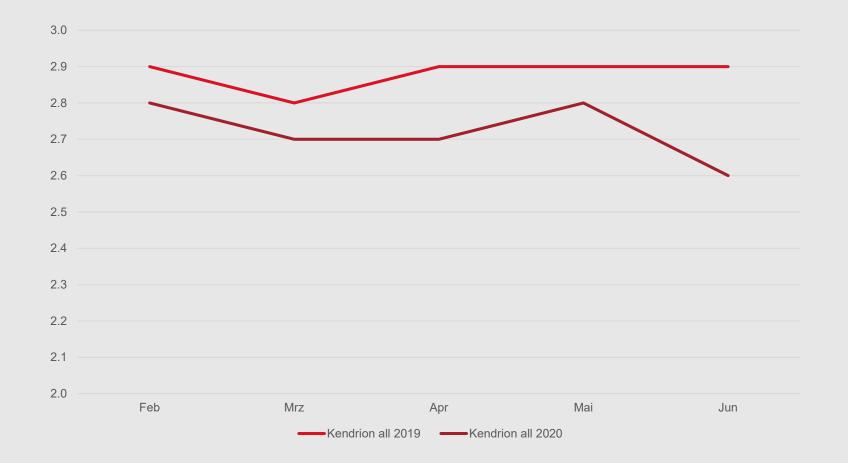
CORPORATE SOCIAL RESPONSIBILITY Target framework 2019-2023



10

DEVELOPMENT OF ILLNESS RATE (12-MONTHS ROLLING AVG)

In 2020, overall illness rate has declined





Courage



THE KENDRION WAY

A global TEAM of actuator SPECIALISTS, with COURAGE to act, curiosity to LEARN and SHARE, confidence to learn from MISTAKES and successes, and open to FEEDBACK

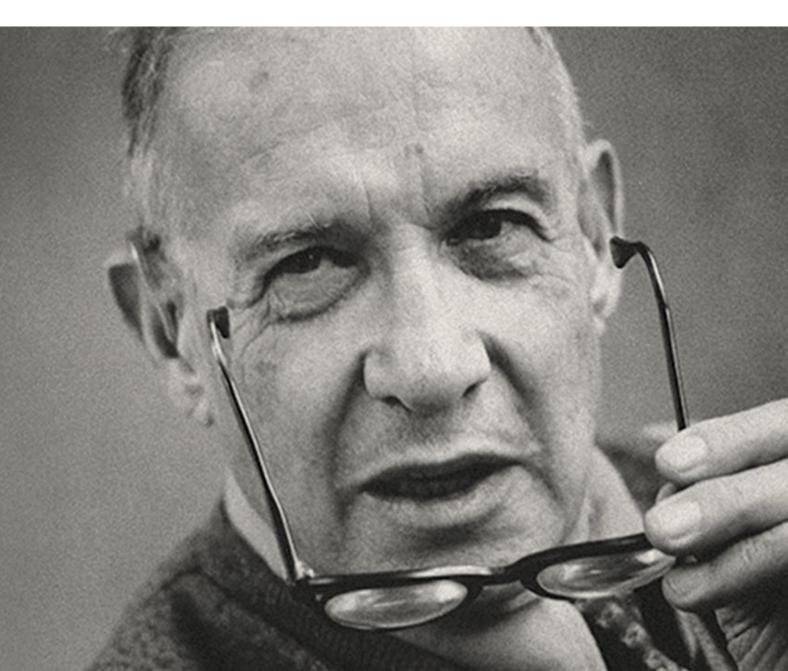






CULTURE EATS EATS STRATEGY FOR BREAKFAST.

- Peter Drucker



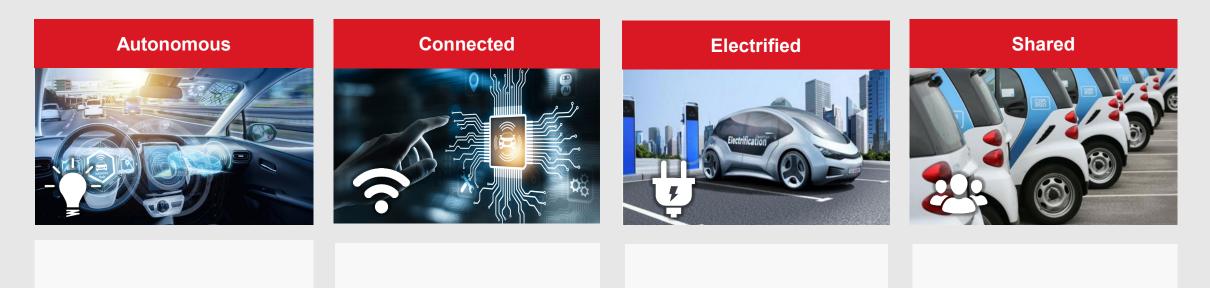
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DISRUPTIVE TRENDS

ACES - Basis of our technology evolution



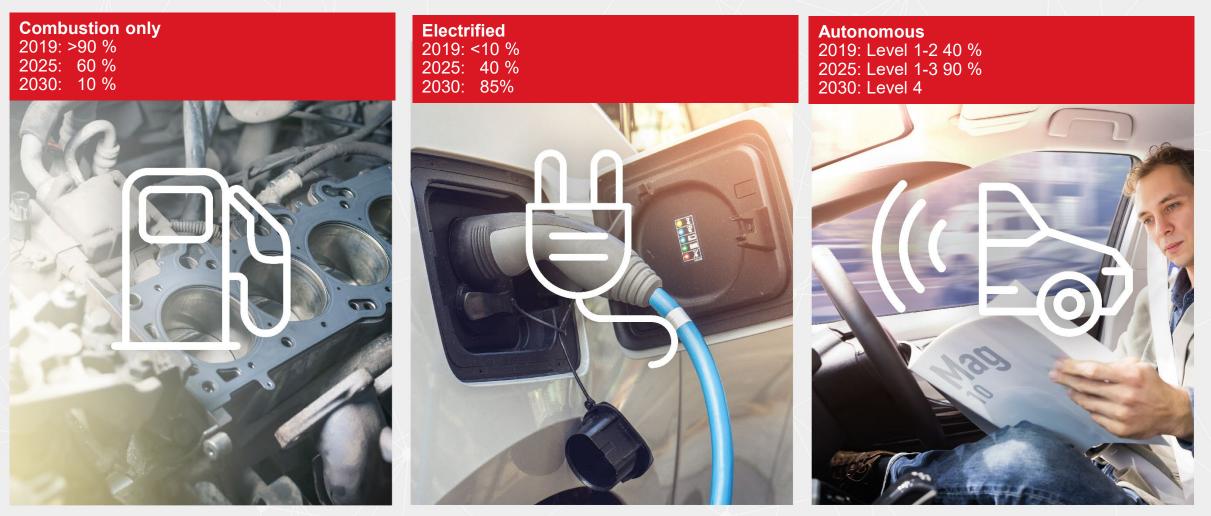
"By 2025 nearly all vehicles will be equipped with up to Level 3 autonomy" "V2X will change the entire car electronics and how we use cars in the future" "By 2030 nearly all cars will be electrified and widely equipped with batteries"

"Car sharing instead of car owning will become an important trend"



MOBILITY RE-DEFINED

From combustion to electrification to autonomy



Market penetration light vehicles



CAR ARCHITECTURE (R)EVOLUTION

From mechanical to data-oriented vehicles





THA CAR (R)EVOLUTION

From mechanical to data-oriented vehicles

1980-2020

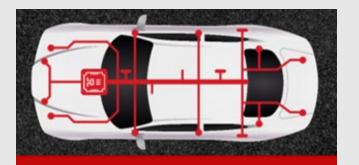


70-100 distributed ECU's Complex system CAN-bus infrastructure

Separated valves and ECU's



2020+



2-3 Central car computers Server architecture Ethernet-based infrastructure

Integrated smart actuators



TESLA FSD CENTRAL CAR COMPUTER

FSD replacing most conventional ECU's

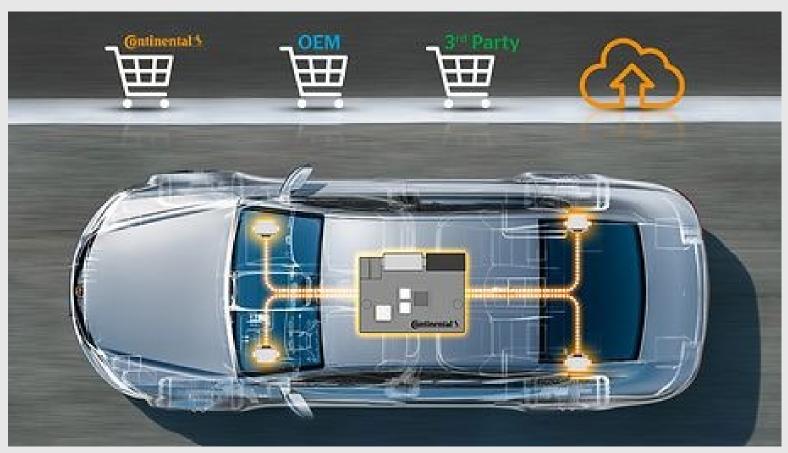


Tesla full self-driving (FSD) chip technology



CONTINENTAL ICAS1 CENTRAL CAR COMPUTER

ICAS1 replacing most conventional ECU's



Volkswagen ID.3 using Continental's in-car application server ICAS1



DAIMLER SELECTED NVIDIA AS KEY PARTNER

Upgrading cars during lifetime

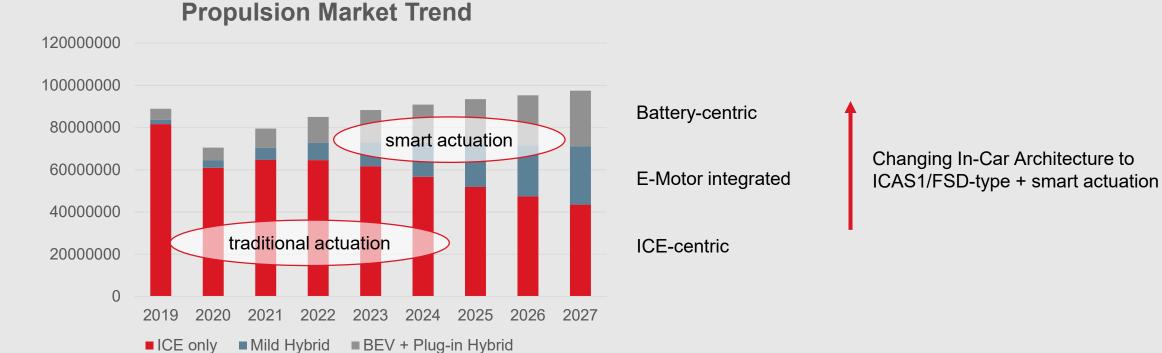


Daimler partnering with nVidia re-defining in-car architecture



AUTOMOTIVE (R)EVOLUTION DRIVING ,SMART ACTUATION' Electrification adaption rate

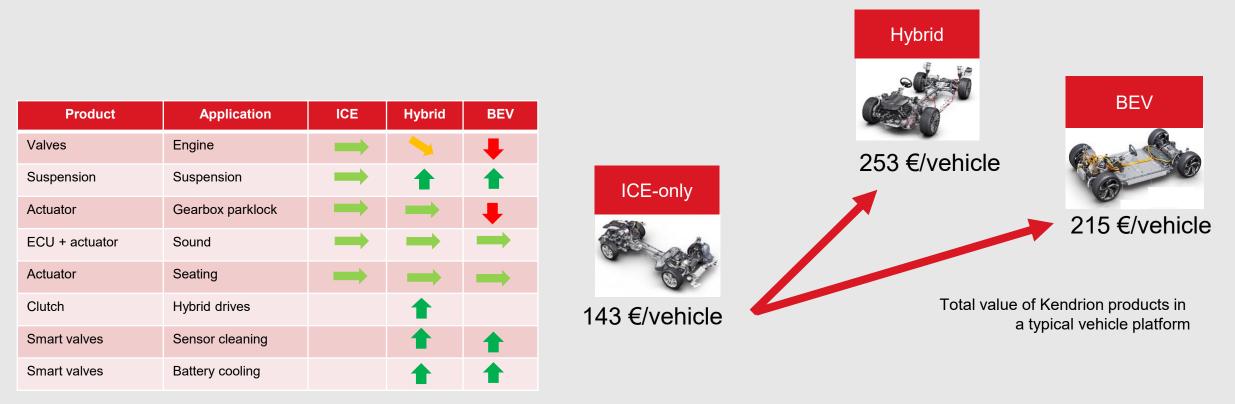






KENDRION PORTFOLIO VALUE SHIFT

Combustion engine \rightarrow electrified and autonomous cars



Value trend of Kendrion products in a typical vehicle platform



GROWTH POTENTIAL

Smart, hybrid, system

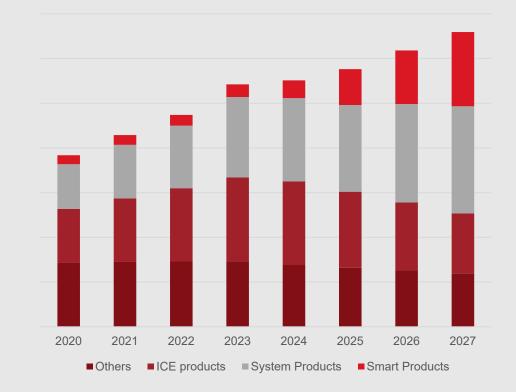


Smart products (sensor cleaning, battery cooling; smart clutch, sound) addressing new in-car architecture

Traditional valve and actuator market peaking in hybrid vehicles

Additional value creation by system approach in growth segments (suspension, parklock)

Portfolio and revenue trend

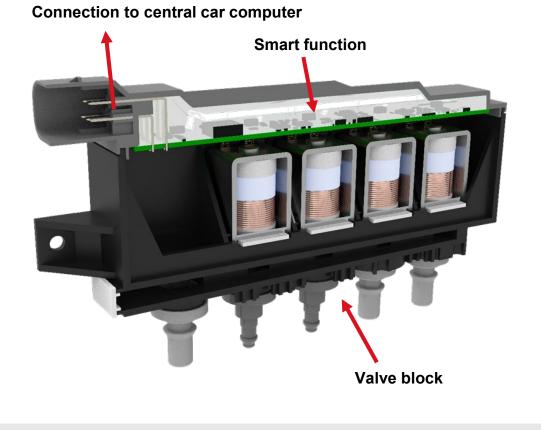




SMART 'SENSOR CLEANING' VALVE BLOCK

Moving to smart valves for higher autonomy levels

Smart sensor cleaning valve block (1 out of 6 'Lighthouse projects')



Automotive sensor market:

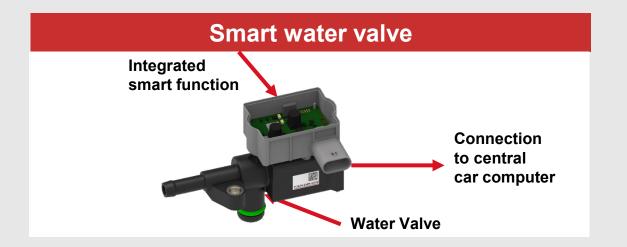
- Autonomous driving
- +10.2% CAGR from 2020-2027
- US 37.65 billion by 2027
- Source: Allied Market Research, 2020

Autonomy going up to 'Level 4' by 2030

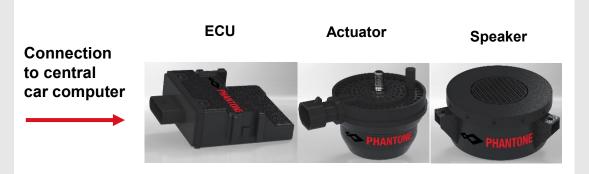


SMART VALVES & ACTUATORS Battery cooling and AVAS sound systems





AVAS sound system



Battery cooling demands new concepts, AVAS sound required by all electrified vehicles

Battery-powered electrical vehicles:

 Around 40% of all passenger cars expected to be electrified by 2025 (mild and plug-in hybrid, fully electric)



'SMART' ENGAGEMENTS



Kendrion business perspective

- Focus on smart product range:
 - Substantial investments in software
 - Smart sensor cleaning valves, smart battery cooling valves, AVAS sound systems, smart clutch, smart damping solutions and more to come
 - Serial nominations from 4 leading OEM's
 - Further engagements with 9 leading OEM's and Tier 1's
 - Creating an ecosystem of partners to establish system solutions for improved TCO
 - Establishing platforms for rapid prototyping



PRECISION. SAFETY. MOTION.

AUTOMOTIVE VISION STATEMENT



We are an innovative and advanced company, our platforms turn electromagnetic actuators smart, enabling next generation mobility in every vehicle.

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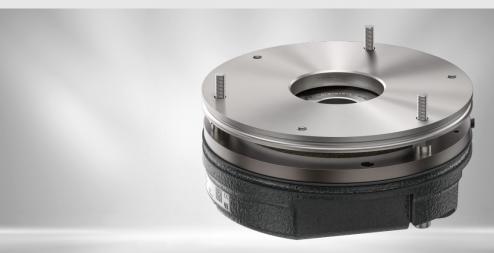
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WHAT SETS US APART



- ✓ We are a **full-line provider** of electromagnetic brakes & clutches
- Our core product portfolio includes permanent magnet and spring-applied brakes for a wide range of applications
- Our competencies include both off-the-shelf products and customer-specific solutions



Our off-the-shelf products Preconstructed components designed to complement each other perfectly



Our solutions Individual performance features, perfectly combined, tailored to best fit customer needs



LAUNCH OF INDUSTRIAL BRAKES Highlighted activities



8 January – Formal acquisition of INTORQ 1 April – Go live of Industrial Brakes with global organisational structure Industrial Drives Systems (Kendrion) NEW business unit INDUSTRIAL BRAKES INTORQ Integration process 3 months

Key activities

- Define Architecture of the global growth strategy
- Clear definition of focus markets and positioning

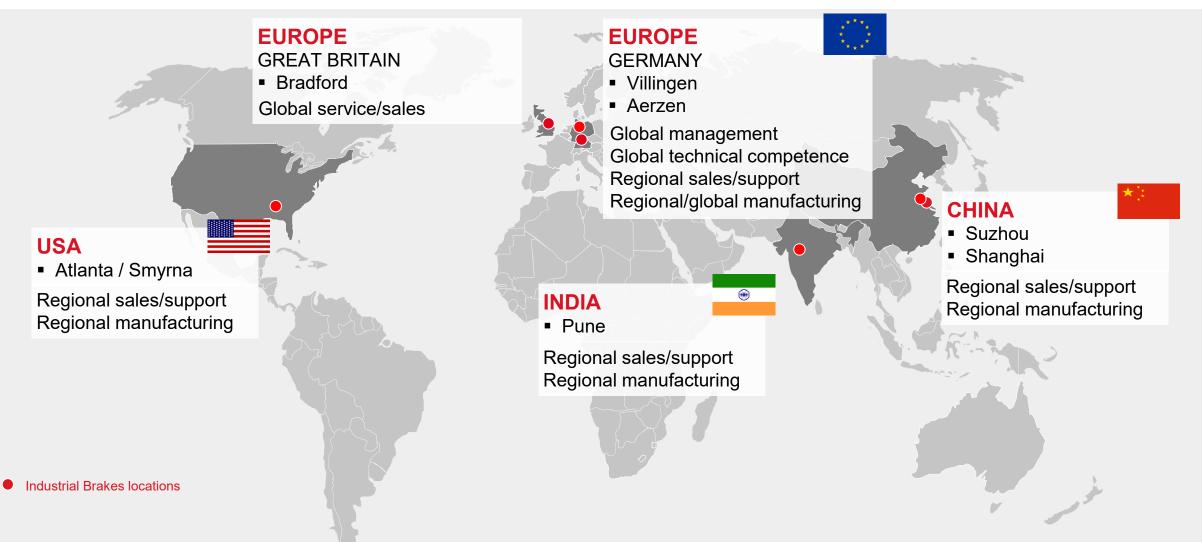
Continuing activities

- On-going operational integration
- Alignment of **product portfolio**
- Share of know-how & apply best practices
- Continuous identification of synergies



GLOBAL SETUP

Industrial Brakes





WHAT HAS CHANGED AFTER THE INTEGRATION



Key indicators

	Moderate	Substantial
Global footprint (customer reach)	• • • • • • • • • • • • • • • • • • •	
Product portfolio		
Market access		
Market share		
Skill set		
Capabilities (manufacturing etc.)		



OUR FOCUS MARKETS

We offer solutions for individual applications









OFF-THE-SHELF PRODUCTS

Based on mature modular system

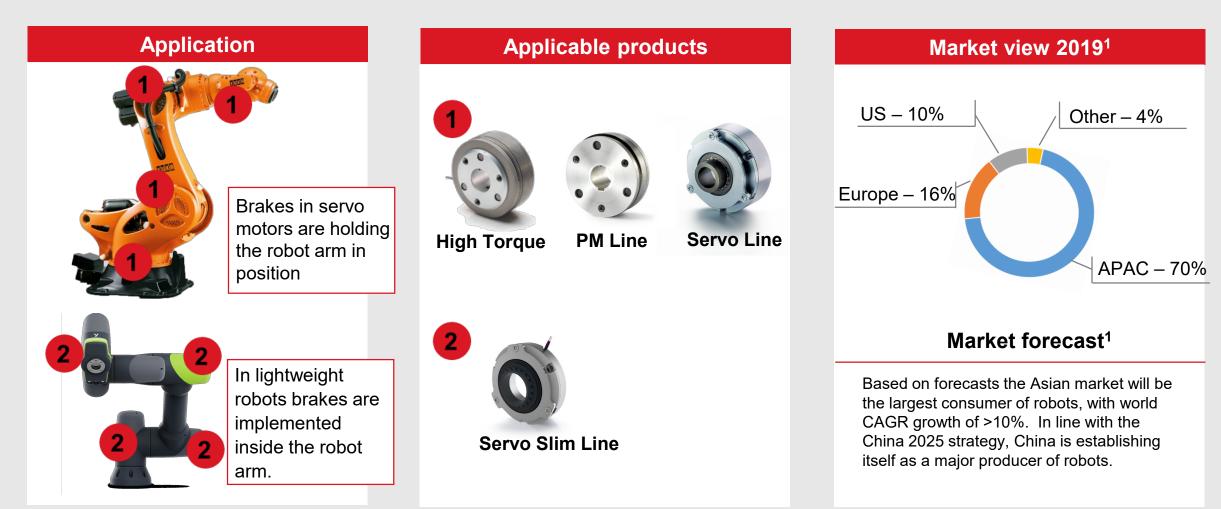






FOCUS MARKET

Robotics & Automation

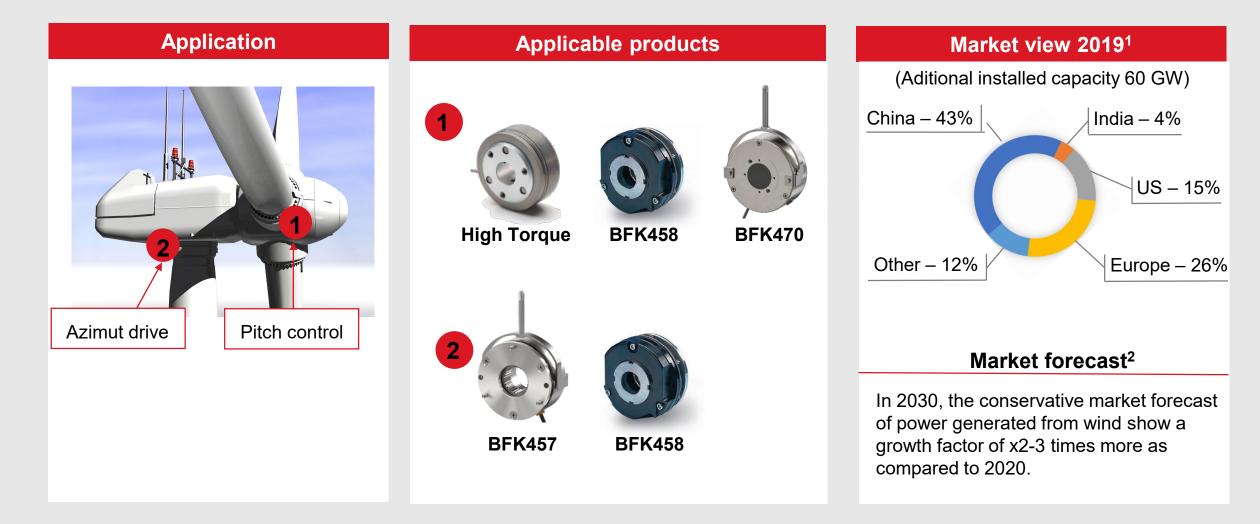






FOCUS MARKET

Wind power







FOCUS MARKET

Intra logistics (industrial trucks & AGVs)







GROWTH POTENTIAL

...in key markets

Portfolio and revenue trend



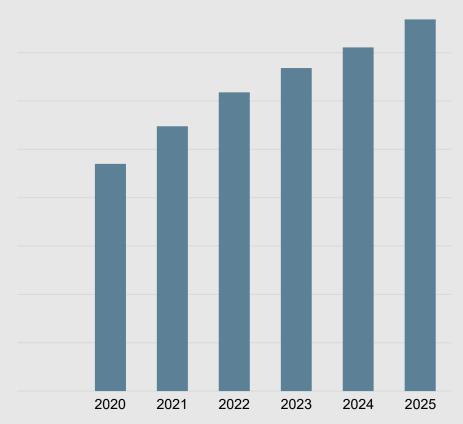
Diversification in robots will see our turnover **double** in the next 5 years in robotic applications.



Further **expand** our position as a global player in the wind power industry with a market share of 20%.



Build on strong position in forklift and **introduce** current portfolio into upcoming AGV market to **gain** a market share of approx. 30%.







OUR 4 PILLARS OF GROWTH

... summarised

- Extensive product platform: We always offer the right solution either off-the-shelf or customer-specific
- Focus markets: We develop new market-specific applications together with our customers
- ✓ Human capital: Strong, technical team with sound and proven expertise
- **Global footprint: Right next door** in Germany, China, India, USA and Great Britain

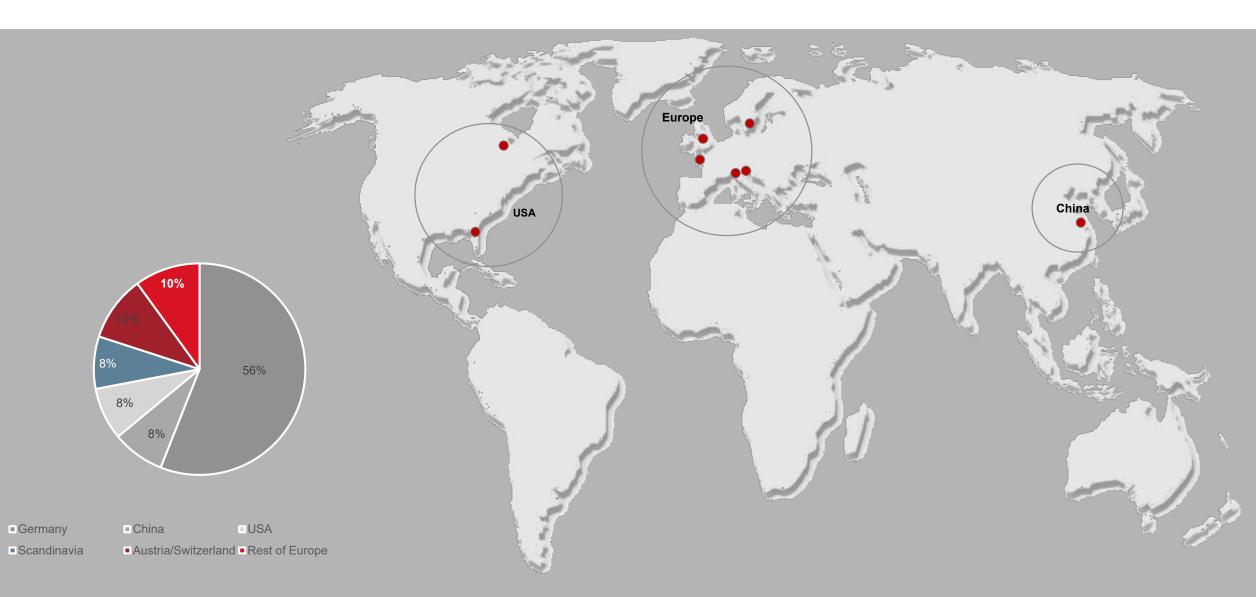
We are a reliable and innovative partner. We want to support our customers and grow together.

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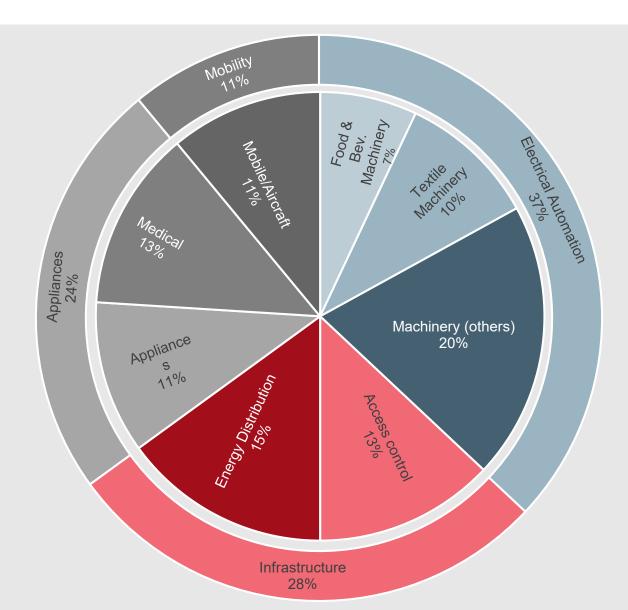
INDUSTRIAL ACTUATORS AND CONTROLS





IAC GROWTH SEGMENTS





KENDRION



GROWTH: ELECTRICAL AUTOMATION

- Increasing degree of automation (actuators, controls and solenoids)
- Electric (inductive) heating will replace heating methods such as oil, gas and steam
- Increasing demand for hardwareindependent integrated functional safety solutions for robots and machines





GROWTH: INFRASTRUCTURE



- Circuit breakers and disconnecting switches has opportunities
- Highly integrated market where all big players (Siemens, Schneider, ABB, Eaton) continuously move into China
- Infrastructure investment programme in China runs on continuous high level (electrical grid, railway, renewable energy consumption)

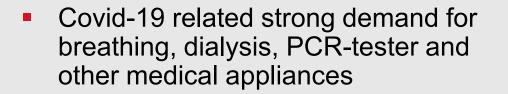




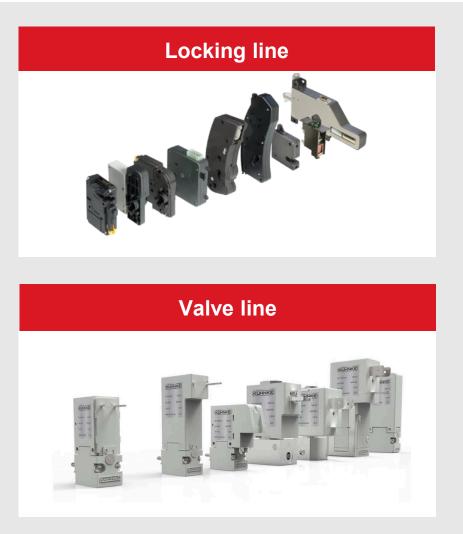
KENDRION



GROWTH: APPLIANCES (MEDICAL/NON-MEDICAL)



- Pressure regulators and valves for oxygen and other media are in development
- Opportunity in washing machine locks
- New standard locks (solenoid- and motor-driven) open up additional opportunities in various appliances



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ACHIEVEMENTS 2016 - 2020



·☆- SIMPLIFY Simplify management in China	FOCUS Focus strength combinations of Germany/China	SCALING CHINA Start growing based on solid foundation in China	GROW Sustainable Profitable Growth
5 fingers to 1 fist, 5 BUs to 1 China organisation	Germany + China Strengths	Consistent investment in growth and capabilities	
Integrate business and management	 Leading technology & SPEC Reliable quality Confidence/Trust Business expansion Fast response Competitive cost 	 Transform more than 300M€ nomination to successful SOP Continue build and train team in China 	
20162017	2018 100% Growth (excl. INTORQ)	<mark>2019</mark> > <mark>2020</mark>	> <mark>2025</mark>



SUZHOU FACTORY ALMOST FULL





2017

- SZ current plant @ 7418m² under decoration
- 3 times bigger vs.SZ 1st building @ 2400m²



2018

• Just moved in

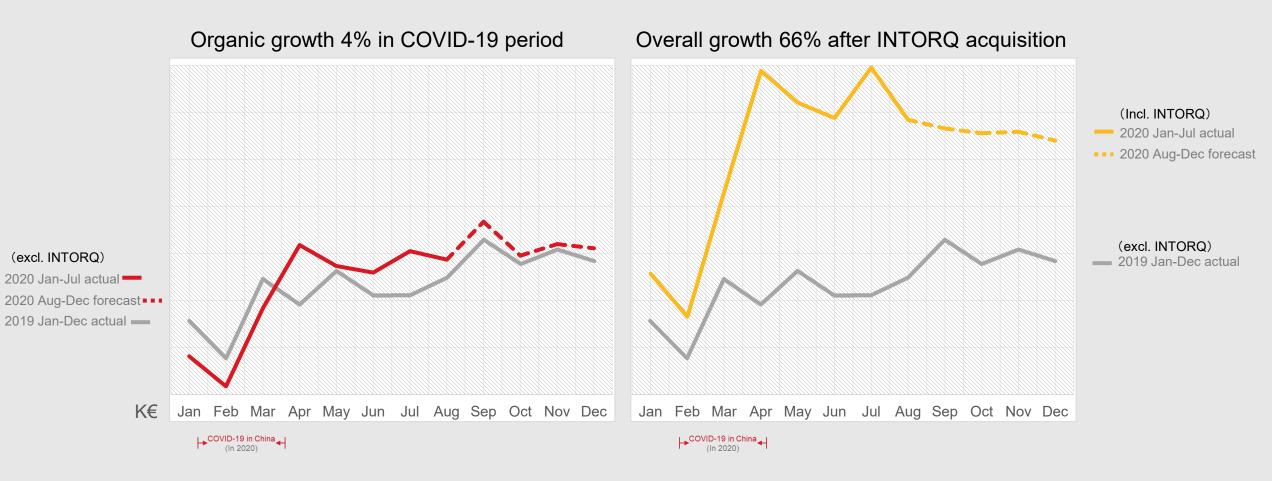


2020

• Almost fully occupied, 93% production space utlised

STRONG BUSINESS RECOVERY AFTER COVID-19 SINCE Q2

2020 vs. 2019 monthly revenue performance of Kendrion China





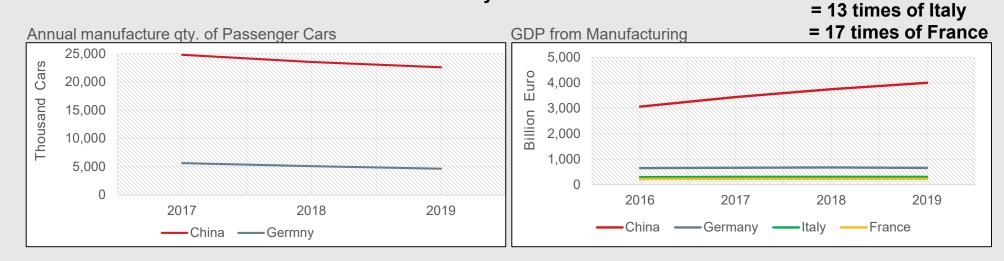
POTENTIAL GROWTH OPPORTUNITY IN CHINA





China Automotive market size = 4.5 times of Germany

China GDP from manufacturing = 6 times of Germany



Potential Automotive market size

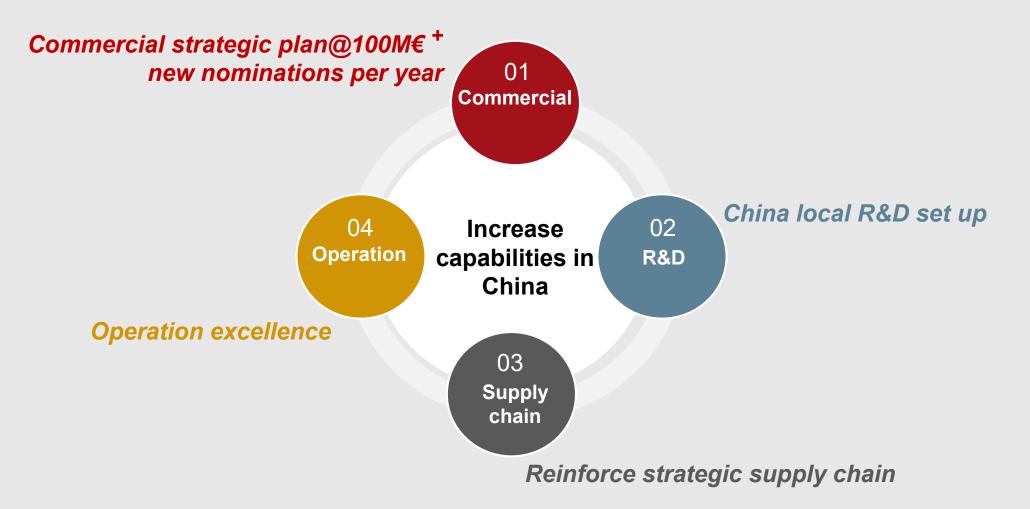
Potential Industrial (IAC & IB) market size





GROWTH STRATEGY IN 2021-2025

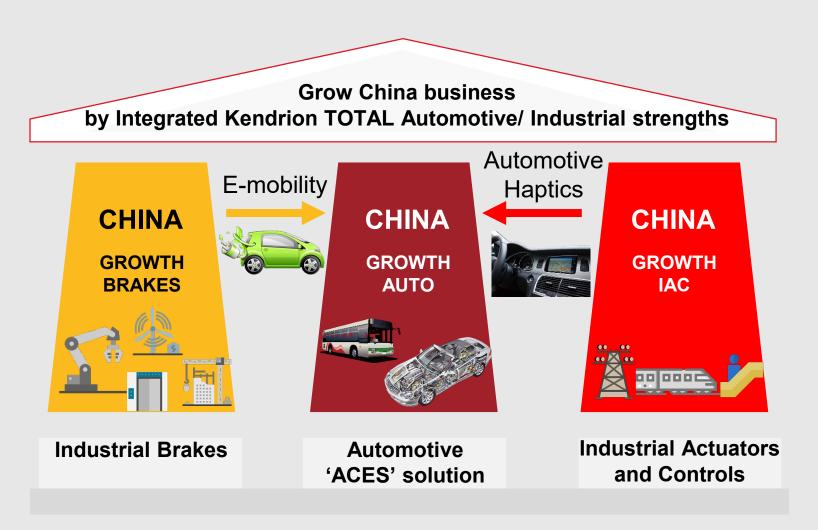
Strategic actions





CHINA GROWTH STRATEGY

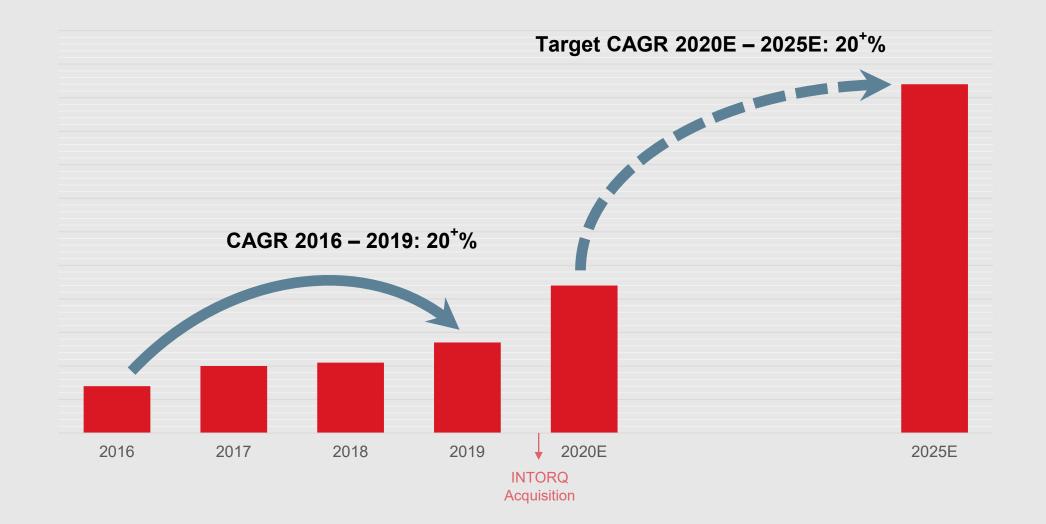






GROWTH PLAN CHINA IN 2021-2025

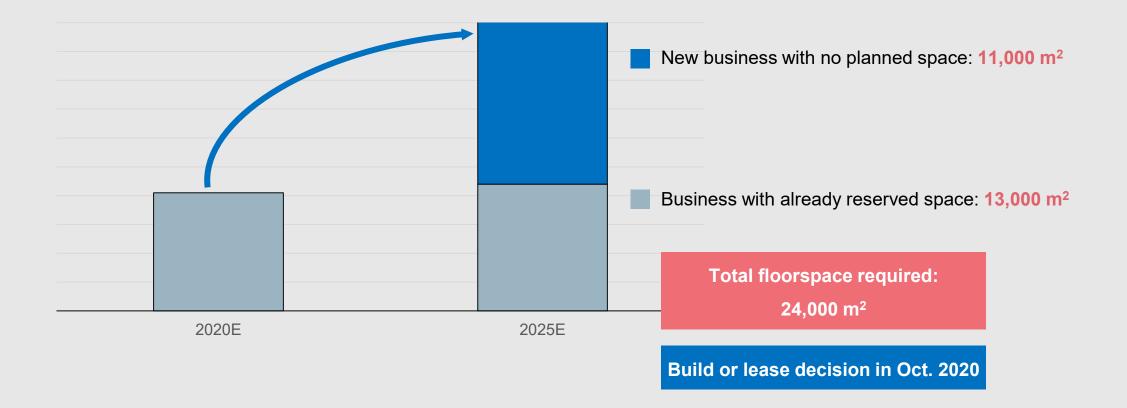
3.1 Aggressive growth plan till 2025





10-YEAR MANUFACTURING PLAN

Space required for business growth



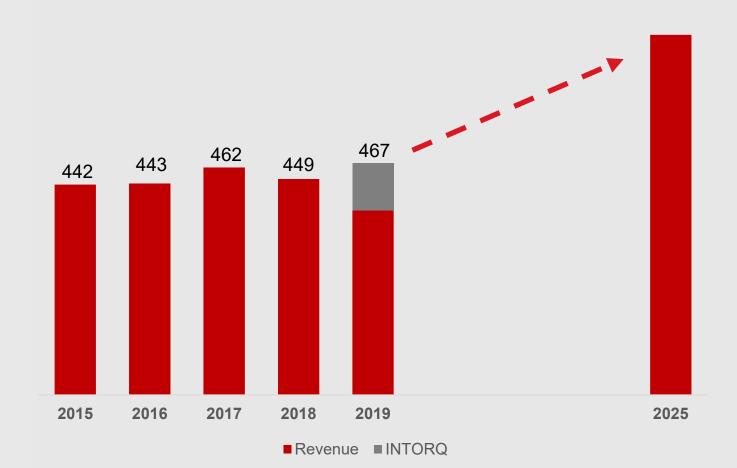
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TARGET ANNUAL ORGANIC GROWTH AT LEAST 5%



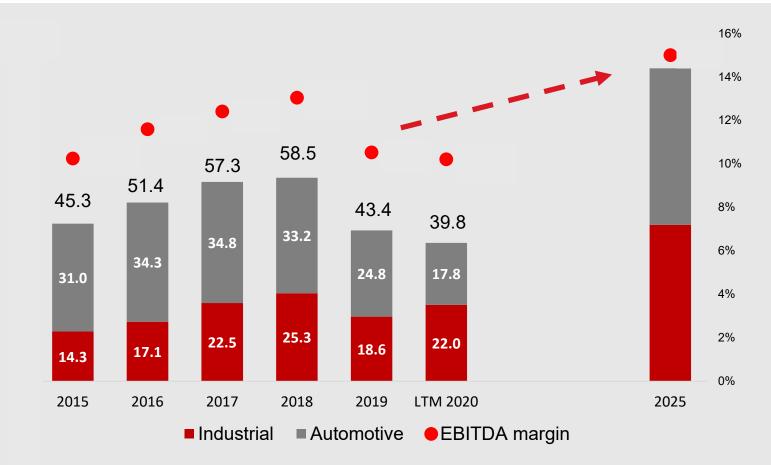
Drivers:

- Increased content per car and increased application uptake in Automotive
- Market and application growth in industrial automation, logistics and wind power in Industrial Brakes
- Market growth and increased share in China
- Selective niche markets in Industrial Actuators and Controls





TARGET EBITDA MARGIN AT LEAST 15%

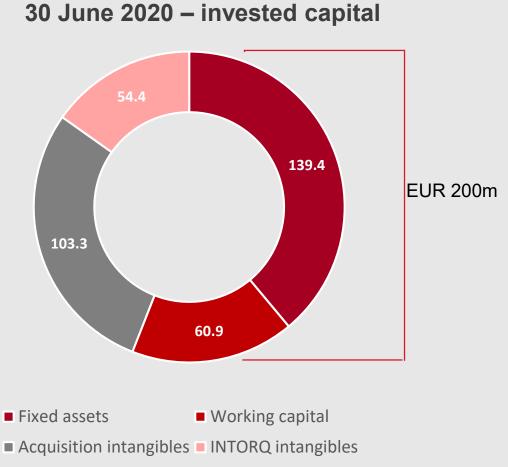


Drivers:

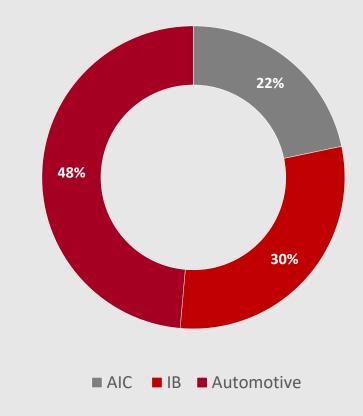
- Operational leverage from > 5% annual growth
- Operational excellence Automotive and synergies IB and IAC

TARGET ROIC AT LEAST 25%

Return calculation on operating assets (excl. intangibles arising on acquisitions)



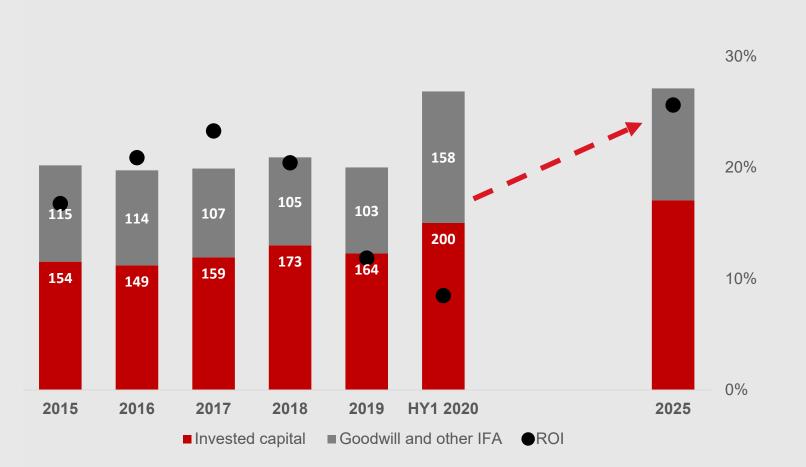
Invested capital allocation





TARGET ROIC AT LEAST 25%





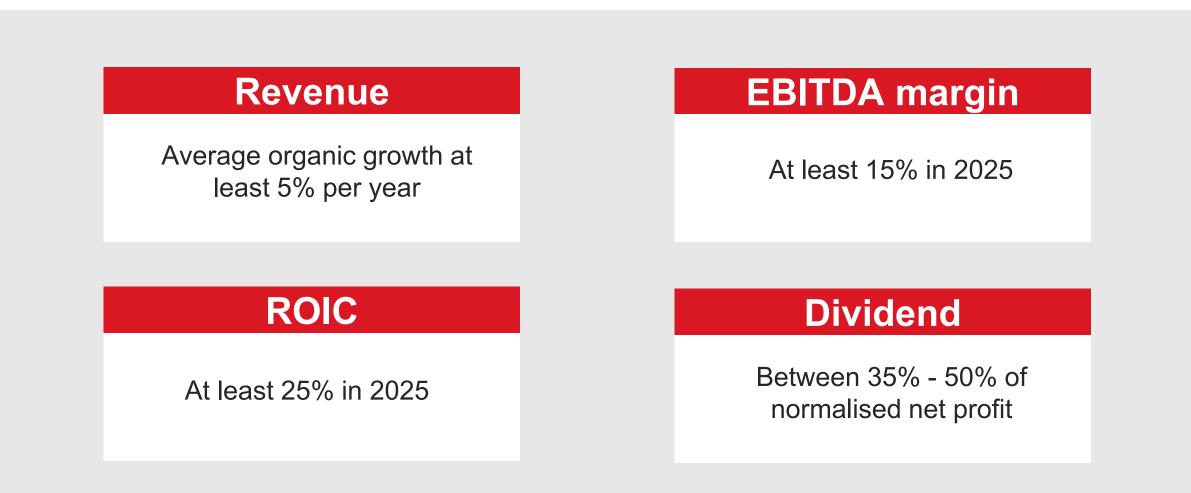
Drivers:

- Operational leverage from ~5% growth
- + Operational excellence Automotive
- Increase capital efficiency / scaling fixed assets
- -/- Investments China to accommodate growth





LONG-TERM TARGETS



* Invested capital excluding goodwill and intangibles arising on acquisitions

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Questions & answers

THANK YOU

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