

Capital Markets Day Faurecia Transformation

May 15, 2018

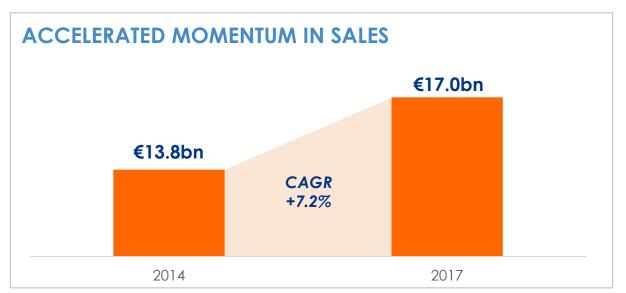


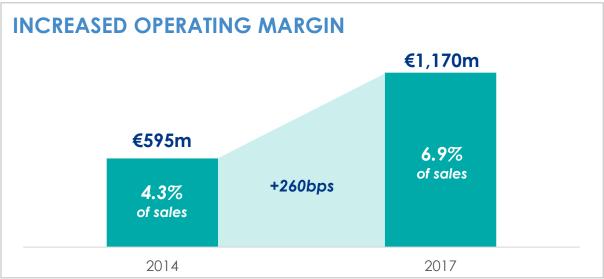
## **Agenda**

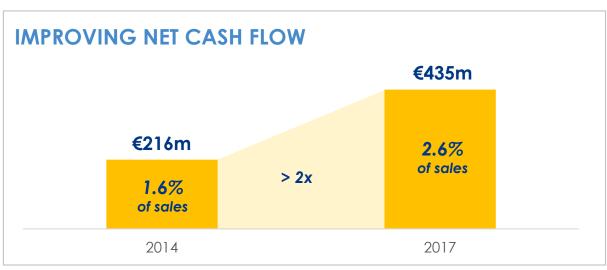
2020 financial targets Sustainable Mobility update 3 **Smart Life on Board** 2025 ambition

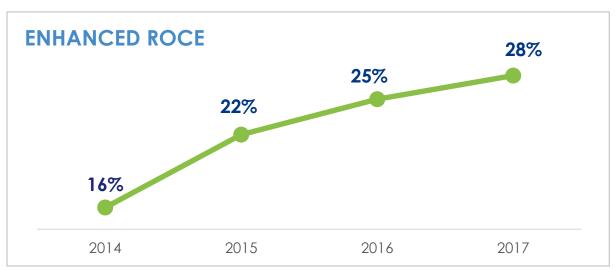


## Between 2014 and 2017, Faurecia continuously increased value creation...



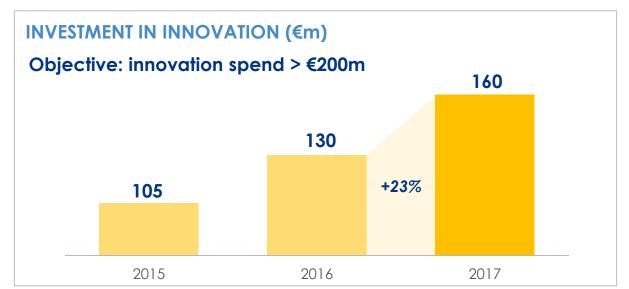


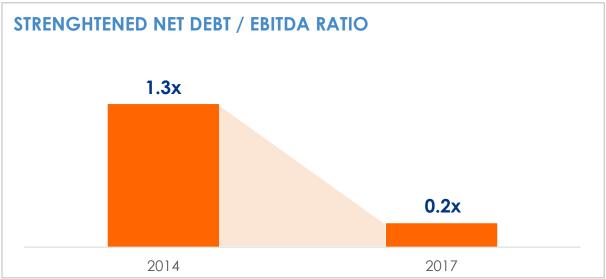


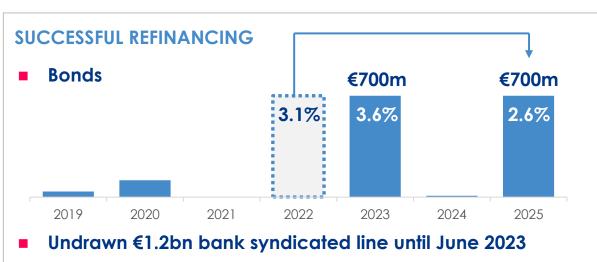


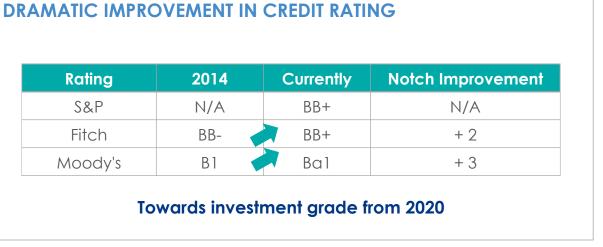


## ...and accelerated investment in innovation whilst strengthening financial flexibility











## Market trends and assumptions

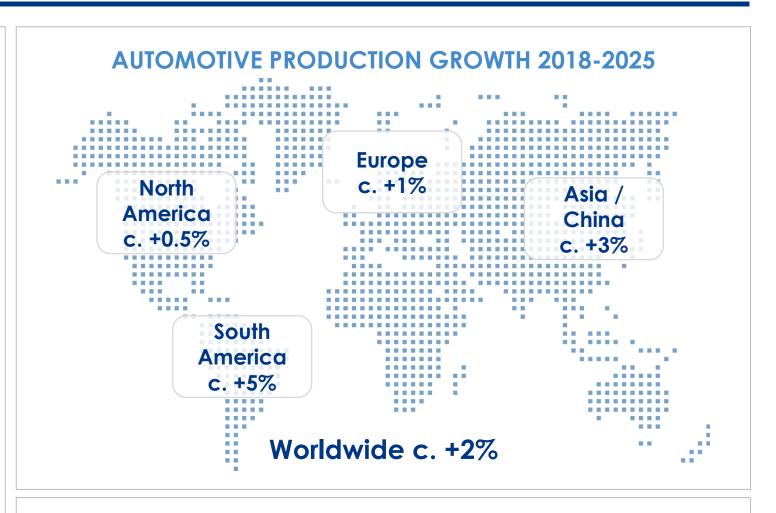
### **AUTOMOTIVE MEGATRENDS (CARE)**







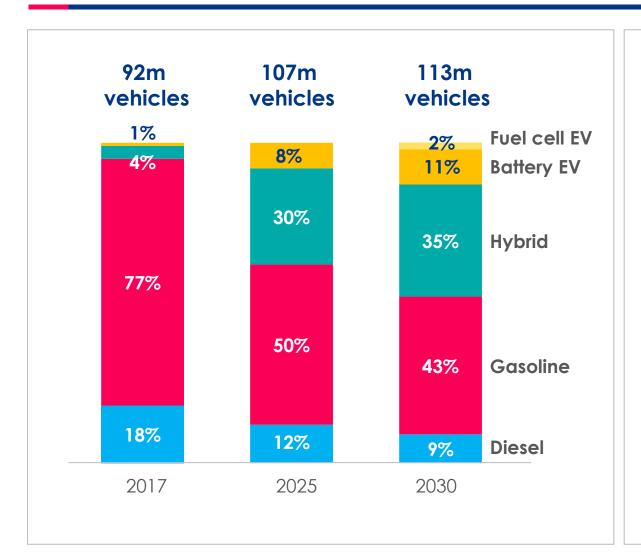




Currency assumptions: USD/€ @ 1.22, CNY/€ @ 7.80 from 2018



## Powertrain mix assumptions Light vehicles



- Pure ICE powertrains drop from 95% in 2017 to 52% in 2030
- Diesel powertrain decline might accelerate further
- Fuel cell is the unique zero emissions alternative
- High regional variation in EV take up by 2025
  - US around 5%
  - China and Europe above 12%



## Autonomous vehicle assumptions

#### **AUTOMATION LEVELS** 5 Full automation No more driver required **Full autonomous drive** High in specific environments automation 3 Driver has to take control Conditional back from car at any time automation Limited autonomous drive **Partial** in very specific conditions automation Limited lateral Driver or longitudinal control Assistance

- Level 4 will be the most common automation level adopted by 2025 for autonomous vehicles
- Light vehicles are already "autonomous" for 3 out of 4 passengers
- Hardware will come first, ahead of software for which over-the-air updates are possible
- Assumption of autonomous (levels 3 & 4) vehicles:
  - 10% by 2025
  - **20%** by 2030



## Our 2020 financial targets confirm our strong potential for value creation

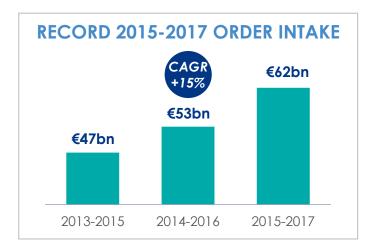
#### **2020 FINANCIAL TARGETS**



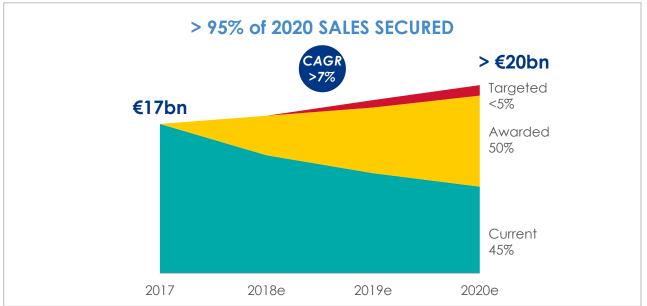


## Sales growth to reach > €20bn is secured for 2020

2020 Sales target > €20bn







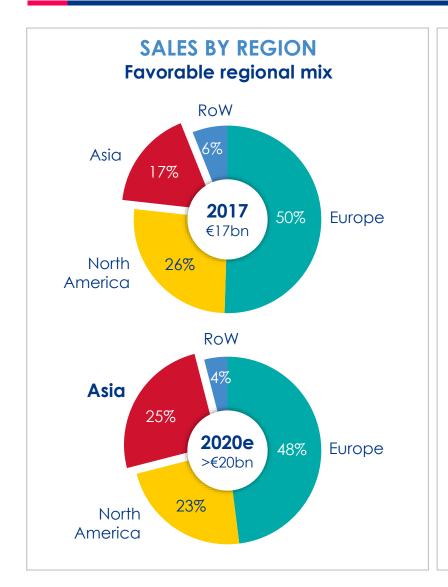
- Record 2015-2017 order intake and current order book secure growth at > 7% CAGR
- Commercial vehicles CAGR > 15%
   driven by regulation in China and India
- 15 new customers in 2017
- Sales in China to double
  - 70% CAGR with Chinese OEMs
  - Order intake represented €6.7bn in 2017

addressable market	2015	2017	2020
China global	32%	43%	> 60%
Chinese OEMs	25%	46%	66%



## Profitable growth driven by geographic, product and customer mix

2020 OM target 8% of sales



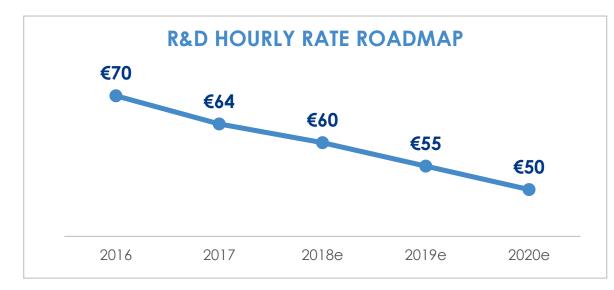


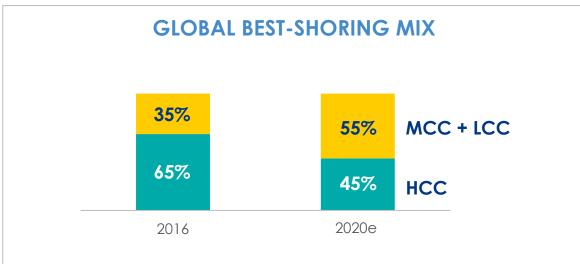
- Strong growth in Asia drives margin improvement
- High technology content on SUV & premium (growth accelerates from 2020)
- Electronics and software integration
- Order intake for New Value Spaces represents €3.5bn in lifetime sales



## "Global R&D Power" and "Blockchain for Program Management" Improving engineering efficiency

2020 OM target 8% of sales





- 30% reduction in hourly rate through best-shoring
  - +1,200 engineers in India

2018-2020 cumulated savings of c. €100m FY 2020 savings of c. €50m (vs. 2017)

- -20% hours/application through digital productivity
  - e-Kanban and automated design
  - Artificial Intelligence for design to cost
- Reduce development time from 36 months (OEM timing) to
   20-22 months (Faurecia timing) using blockchain technology
  - Increase accountability and efficiency through work packages
  - Transparency and trust with customers and suppliers
- Savings not included/pilot phase started



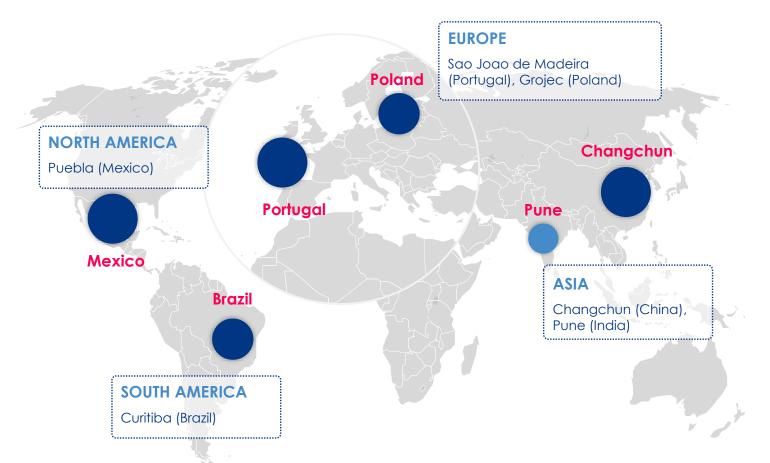
- Plant ranking and program/plant risk assessment allow short and mid-term risk management to improve anticipation and reduce need for reactivity
- Acceleration in digital transformation
  - Tooling automation
  - Manufacturing and logistics
  - Quality control
  - Management processes
- Process Control Towers to merge data analysis and process expertise to further reduce variability and improve predictive maintenance

2018-2020 cumulated savings of c. €280m, o/w around 50% from robots and AGVs FY 2020 savings of c. €150m (vs. 2017)



## "Global Business Services" Leaner cost structure





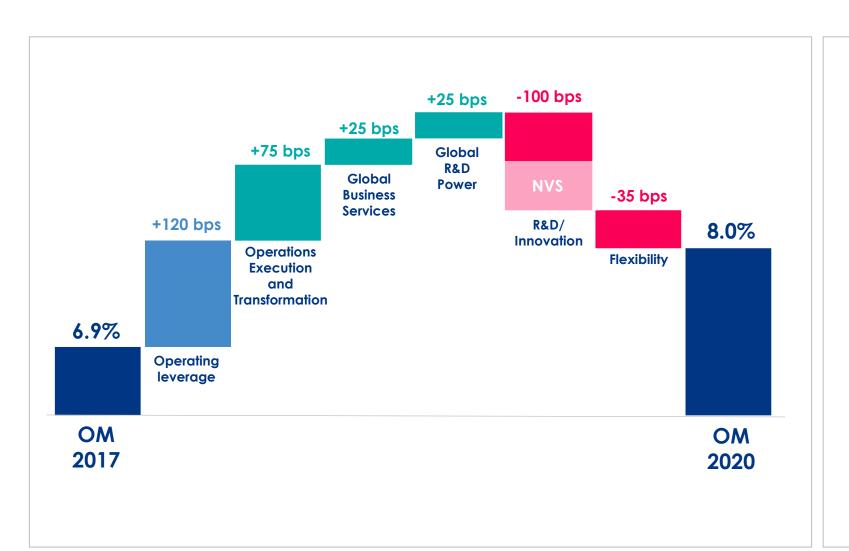
- Covering 5 support functions:
   Finance, Purchasing Administration,
   Sales administration, HR and IT
  - Centralization from 34 primarily
     HCC locations to 5 main regional operations centers in LCCs
  - India: Global Purchasing Support
     Platform launched in Pune
  - Leverage existing SAP with 100% implementation throughout the Group

2018-2020 cumulated savings of c. €120m FY 2020 savings of c. €50m (vs. 2017)



# We target an 8% operating margin in 2020, up 110bps vs. 2017, while accelerating R&D and innovation

2020 OM target 8% of sales



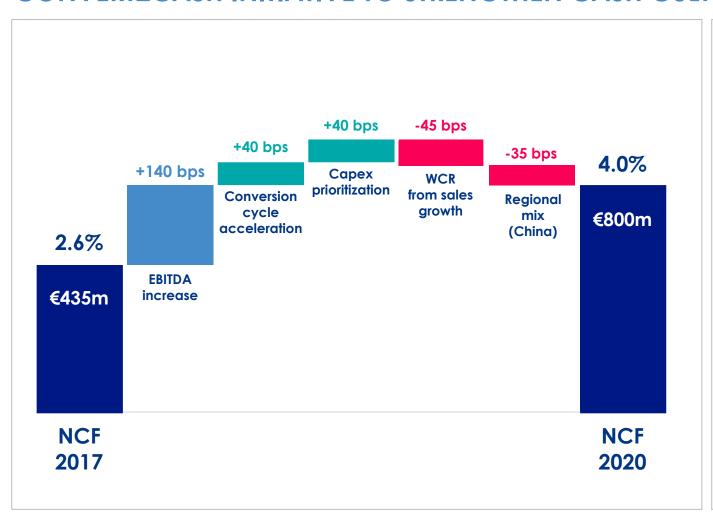
- Positive contribution from increased volumes (+23%) puts us above 8% OM
- Our Group transformation projects will finance our
  - Innovation in New Value Spaces
  - Digital productivities



## We target to increase cash generation to 4% of sales

2020 Net Cash Flow 4% of sales

#### CONVERT2CASH INITIATIVE TO STRENGTHEN CASH CULTURE



#### Drive the cash conversion cycle

- At least 60% D&D paid at launch
- Tooling paid in full 3 months after launch
- Accelerate overdue collection (< 0.5% of sales)</li>
- Inventory converging to benchmark (4.7% of sales)
- Increase volumes per supplier against improved payment terms
- Order intake selectivity based on IRR ≥ 15%
- Review make-or-buy of cash-dilutive product lines and manufacturing processes



## Cash allocation strategy focused on bolt-on acquisitions and fair shareholder remuneration

- Between 2018 and 2020, Faurecia will generate c. €2bn of cumulated net cash flow
- Focus on bolt-on acquisitions in line with strategic priorities:
  - New Value Spaces for Smart Life on Board and Sustainable Mobility
  - Increased presence in fast-growing Asian markets, mainly China
  - Strict financial criteria:
    - IRR ≥ 15%
    - EPS and cash flow accretive within 24 months
- Fair shareholder remuneration through increase in dividend along with increase in profits
  - Return of excess cash to shareholders is a mid-term option



## A de-risked profile and an increased resilience

#### **DE-RISKED PROFILE**

- Robust balance-sheet
  - Low net-debt-to-EBITDA ratio
- Sound financing structure
  - Limited exposure to bank credit
  - No debt repayment before June 2023
- High flexibility through a €1.2bn bank syndicated line
  - Fully undrawn
  - Maturing June 2021; in the process of being extended to June 2023 with further extension options
- Continuous improvement in credit rating
  - Targeting investment grade status by 2020

#### **INCREASED RESILIENCE**

- A more balanced geographic mix and customer portfolio
- Increased operational flexibility
  - Higher share of temporary headcount (representing today > 20% of total headcount) and sub-contractors
- Make-or-buy analysis
- Group efficiency initiatives
- Risk mitigation through annual stress tests

### Increased agility throughout the cycle



# Demonstrating our potential Take-aways

2017 – 2018

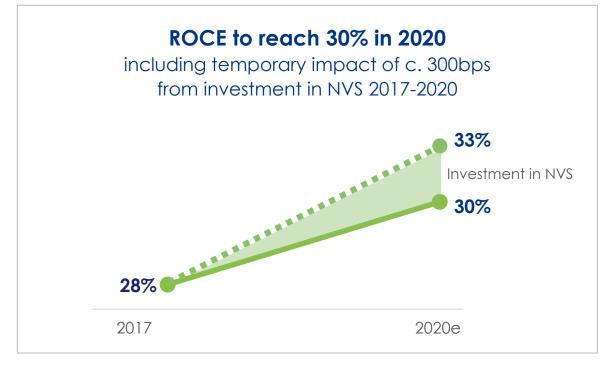
Clear strategy deployment focused on Sustainable Mobility and Smart Life on Board Creation of FaureciaTech

2018 – 2020

Accelerating profitable growth and cash generation whilst investing in our future

- +€1 billion of sales per year on average
- Net cash flow up 80% vs 2017
- 2020 OM of c. 8.5% excluding NVS
- De-risked profile and increased resilience throughout the cycle









Sustainable Mobility
Strategic update

Christophe Schmitt Mathias Miedreich



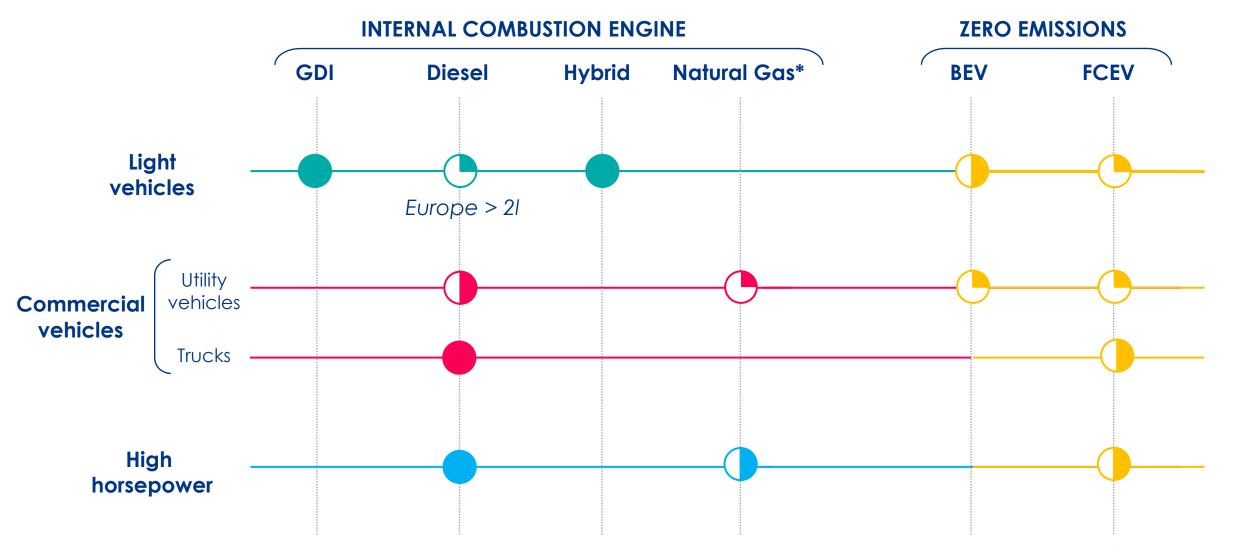
## A world of opportunities

- Stringent regulations and new ultra-green technology breakthroughs
- All markets getting emissionized including China and India Commercial Vehicles, High Horsepower engines, industrial applications
- Nearly 50% of the market will be electrified by 2030
- Smart Cities will drive new Sustainable Mobility requirements, in particular for accurate real time emissions data

## Addressable market increases €32bn by 2030

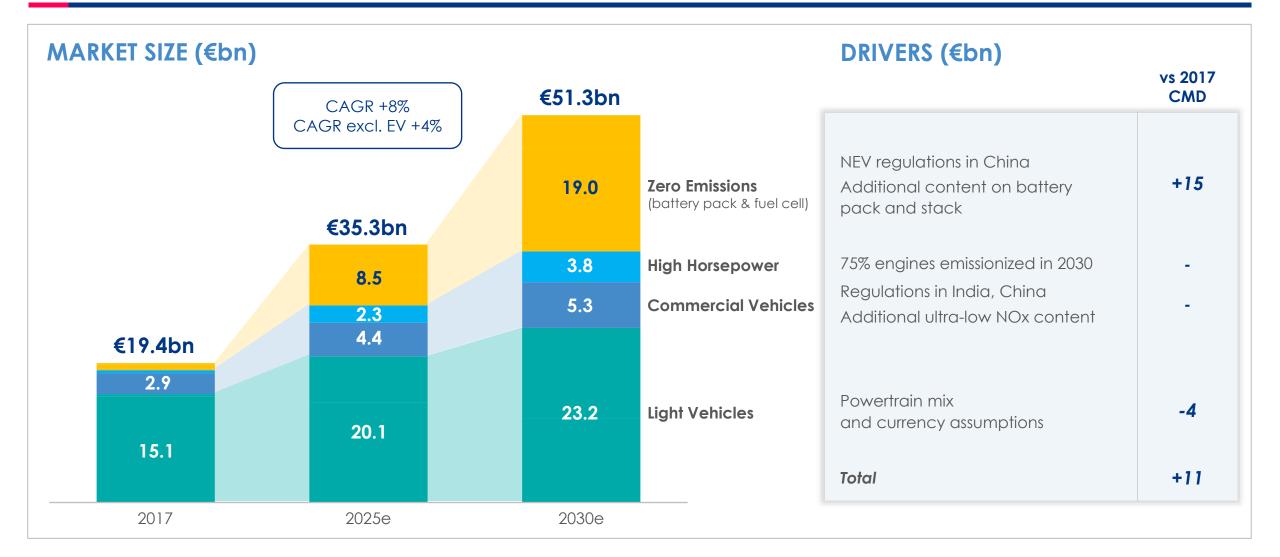


## Relative importance of powertrains driven by regulations, use cases and cost



## Addressable market growth +€32bn by 2030

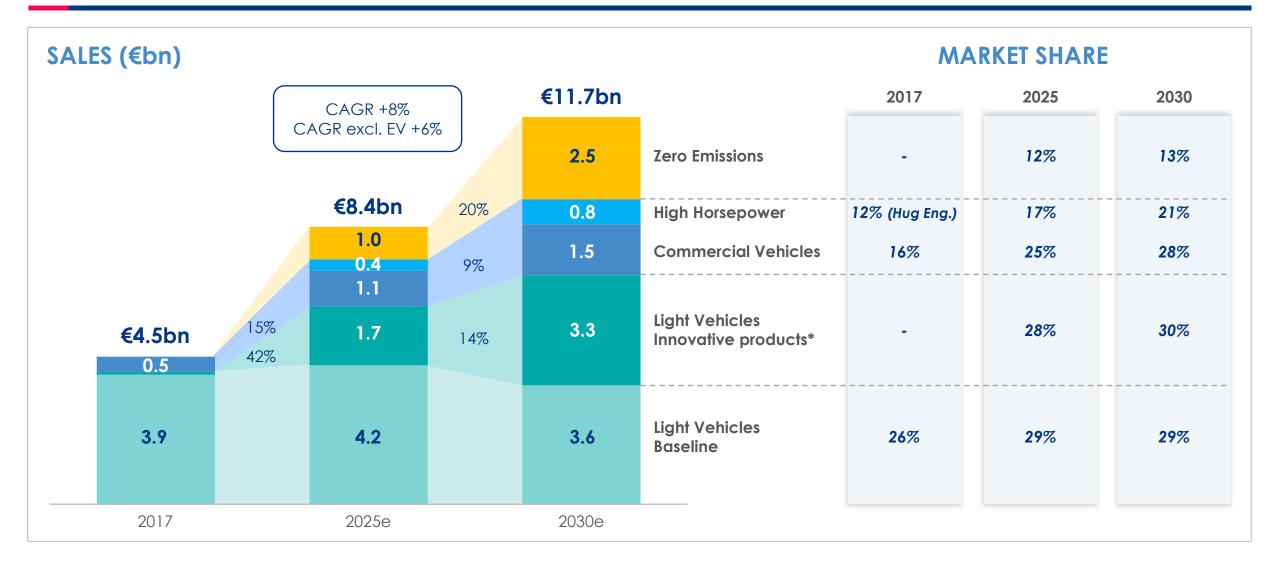
50% of growth is generated by Zero Emission market





## Faurecia sales growth +€4bn to 2025

## Driven by Light Vehicles Innovation and Zero Emissions





## **Light vehicles**

## Capturing market share through best-in-class technology to meet regulations

#### **BUSINESS OBJECTIVES TO 2025**



#### **KEY INNOVATIVE PRODUCTS**

### Exhaust Heat Recovery System (EHRS) generation 3



**-2% CO<sub>2</sub>** for hybrid vehicles Target Compact design & cost competitive SOP 2020

#### Low Pressure Exhaust Gas Recirculation (LP-EGR)



-3% CO<sub>2</sub> for gasoline vehicles Target
Optimized integration SOP 2021

#### Electric heated catalyst (EHC)



-5% CO<sub>2</sub> for hybrid vehicles

combining all three technologies
for ultra-clean city driving

Unique competitive solution

Target

SOP 2023

#### Compact & lightweight system



Up to 30% weight and volume reduction

Optimized systems architecture and integration

Started

### **Commercial vehicles**

## Faurecia growing market share through innovations & partnerships

#### COMMERCIAL VEHICLES PRODUCT ROADMAP: INDIA/CHINA

#### **BHARAT IV**

2017



Faurecia content per vehicle

Faurecia technology advantage €120 to 180

Track record, reliability and price

BHARAT VI / CHINA VI 2020



€300 to 400

Patented Compact
Mixer enabling
space & cost savings

ADDITIONAL ULTRA-LOW NOX CONTENT 2025



> €600

ASDS<sup>TM</sup>: 90% de-NOx at low temperature with no CO<sub>2</sub> impact, vs market at 70%

#### **HIGHLIGHTS SINCE 2017**

#### **REGULATIONS**

- China, India emissionized from 2020 (50% global market)
- Ultra-Low NOx expected 2025 US/Europe

#### **ORGANIZATION & PARTNERSHIPS**

- Global strategic relationship with Cummins extended, including China, India
- Joint ventures in China: Dongfeng & major engine makers

#### **BUSINESS ACHIEVEMENTS**

- SOP for global Single Module platform
- Sales growth: +20% year on year

#### **FAURECIA MARKET SHARE**

**2**017: 16%

**2025** target: 25%



## **High Horsepower – Hug Engineering**

## Leveraging Commercial Vehicles business model and technologies

#### HIGH HORSEPOWER GROWTH PLAN

#### **HIGHLIGHTS SINCE 2017**

#### **HUG ENGINEERING**

2017

## GLOBAL EXPANSION / NEW CUSTOMERS 2020

#### SCALE UP FAURECIA TECHNOLOGY 2025







## Faurecia sales evolution

€60m

€100m

#### €400m

Faurecia technology advantage Leader in High Horsepower market Global footprint

Small series manufacturing

**OEM** businesses

Energy recovery, next generation de-NOx

Connected Services and Service parts

#### **ACQUISITION OF HUG ENGINEERING**

- Market leader
- Drive globalization and market consolidation with perfect timing
- Vertical integration

#### **BUSINESS ACHIEVEMENTS**

First organic OEM business award

#### **FAURECIA MARKET SHARE**

■ 2017: 12% (Hug engineering)

2025 target: 17%

2030 target21%



## Zero Emissions – Battery pack systems

## Targeting average content > €600 per battery electric vehicle

#### **BATTERY INTEGRATION PRODUCT ROADMAP**

#### **HOUSING COVER**

2017



Faurecia content per vehicle

Faurecia technology advantage €40 to 60

Composite technology

Best in class thickness and weight:
-8% vs market reference
Competitive cost for small series
manufacturing: -5% vs market

## BATTERY HOUSING INTEGRATING THERMAL MANAGEMENT 2020



€200 to 300

Additional function integration: shock absorption/crash resistance/ thermal management

Weight reduction -5% to -10% Cost savings c~5-15%

#### FULL HOUSING AND BATTERY MODULE 2025



> €600

Best in class packaging: pack size -33mm on Z-axis Lower center of gravity for more cockpit space Assembly cost savings



## **Zero Emissions – Fuel Cell Systems**

## Targeting up to €6,000 content per Fuel Cell Electric Vehicle

#### **FUEL CELL TARGETED PRODUCT RANGE**

H<sub>2</sub> TANKS

2019



€2.100

€1,200

Faurecia content per vehicle

advantage

Faurecia technology

100KW system 2 tanks

35KW range extender 1 tank

> 7% Weight ratio\*

Better reliability due to anti-collapse features
25% lighter

vs current market leader at 5.7%

VALVE & H<sub>2</sub> MANAGEMENT

2020



€650

€350

Best-in-class compactness/
system volume -66%
vs market leader

From 700 bar to 10 bar
in one stage

**FUEL CELL STACK SYSTEM** 

2023



€3,300

€1,700

Best-in-class power density

by volume: 4.2 kW/l vs today's best: 3.1kW/l

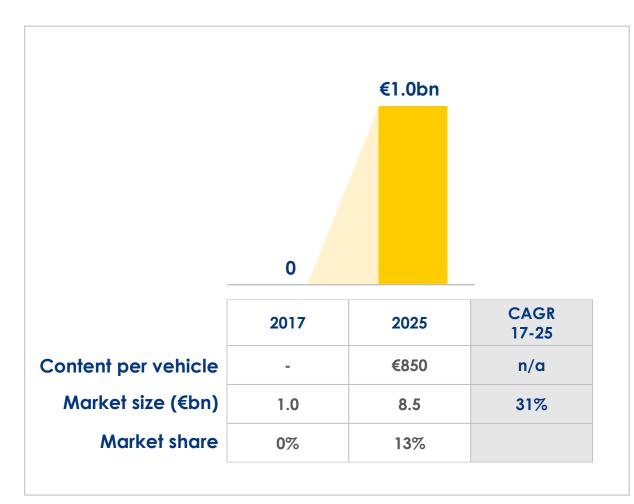
by weight: 2.8 kW/kg vs today's best: 2.0 kW/kg



### **Zero Emissions**

## Enable zero emission take-off through breakthrough performance-to-cost

#### **BUSINESS OBJECTIVES TO 2025**



#### **HIGHLIGHTS SINCE 2017**

#### **REGULATIONS**

- NEV regulations in China
- Low emission zones in major cities

#### **ORGANIZATION & PARTNERSHIPS**

- Creation of Zero Emission division
- Key breakthrough battery pack patents filed in \$2 2018
- Co-development and homologations launched with Stelia (H<sub>2</sub> tank) AdVenta (valve) and CEA (stack)
- Reinforcement of system know-how underway

#### **BUSINESS ACHIEVEMENTS**

- First RFQs: full composite battery housing
- Two battery covers awarded by Chinese OEMs
- First contract for H<sub>2</sub> tank with European OEM for a fleet of light commercial vehicles (SOP 2021)



## Robust and profitable growth going forward confirmed

## Confirms targets presented at 2017 Capital Markets Day

ln €m	2017	2020	2025	2030	CAGR 2017 - 2025
Sales	4,493	5,240	8,400	11,700	> 8%
o/w Light Vehicles	4,010	4,200	5,900	6,900	5%
o/w New Value Spaces	483	1,040	2,500	4,800	> 22%
Operating income	460	620	> 1,000	> 1,700	> 10%
Operating margin in %	10.2%	11.8%	> 12%	15%	-

NEW VALUE SPACES 2018-2025 cumulated

Innovation €350m - €400m

Capex €600m - €650m

Patents filed 1,100 to 1,300



## Sustainable Mobility Take-aways



- Be the leading clean mobility company with benchmark technology and profitability
- Leadership in fuel cell systems
- Strategic freedom vs. powertrain mix



### **Strategic Drivers**

- Zero emissions is a great opportunity to enhance top line growth
- Commercial Vehicles
   & High Horsepower will further
   boost sales and profitability
- Supporting fleets, industries and cities solve their air quality issues will contribute to profitable growth



#### **Ambition 2030**

#### Sales

- €11.7bn
- > 8% CAGR 2017-2030

#### **Profitability**

- > €1.7bn operating income
- 15% of sales





## Smart Life on Board

16

## Agenda

1	New Value Spaces	Patrick Koller
2	Demonstrator Tour	David Degrange
3	Value Creation	Jean-Michel Renaudie/Eelco Spoelder



## **Agenda**

New Value Spaces
Patrick Koller

Demonstrator Tour
David Degrange

Value Creation
Jean-Michel Renaudie/Eelco Spoelder



## Four megatrends (CARE) transform automotive interiors paradigm



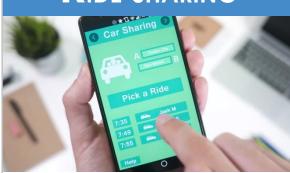
Seamless continuity between home and vehicle

## Autonomous



Multiple use cases for non-driving scenarii

## RIDE-SHARING



Specific interiors individualized and adaptable

## ELECTRIFIED

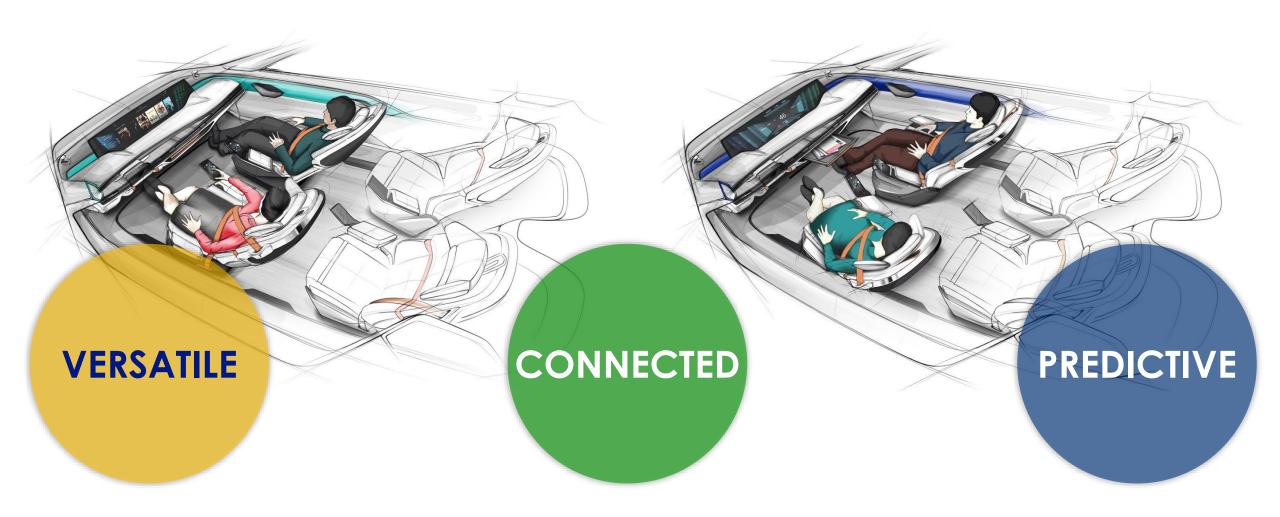


More freedom in interior architecture

## Consumer is the primary decision maker



## The interior becomes the new differentiator





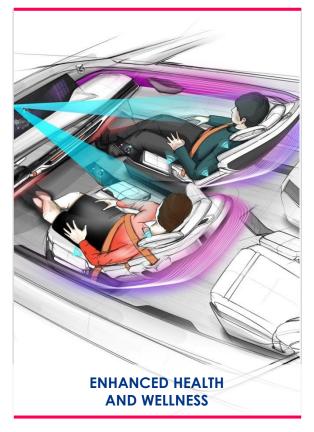
# User experience drives development of New Value Spaces

"You have an individual safety cocoon in all positions"

"You feel better at the end of your journey. You collect pertinent data for your predictive health care"

"You always feel the perfect temperature and air quality" "You have a personal sound bubble with no interference"











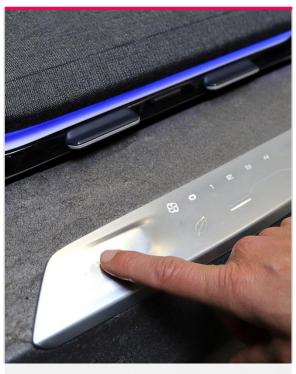
# User experience drives development of New Value Spaces

"The car adapts to you, you control it as you wish"



INTUITIVE HMI SOLUTIONS

"Seamless and perfect integration of technologies"



SMART SURFACES
AND SMART ACTUATION

"Full cockpit architecture for a personalized experience"



UX AND SYSTEMS ARCHITECTURE

"Software systems for predictive multi- functional experience"

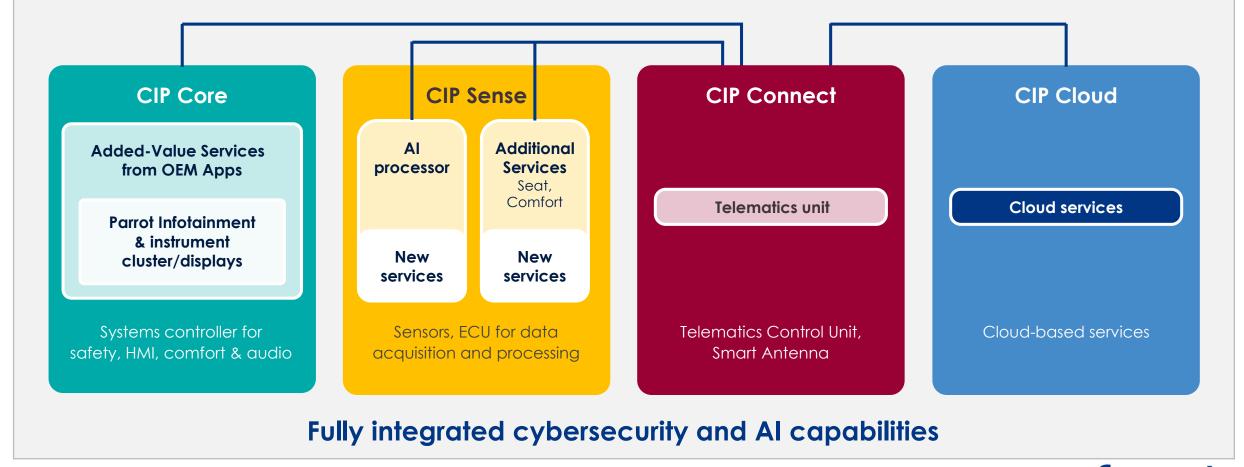


faurecia

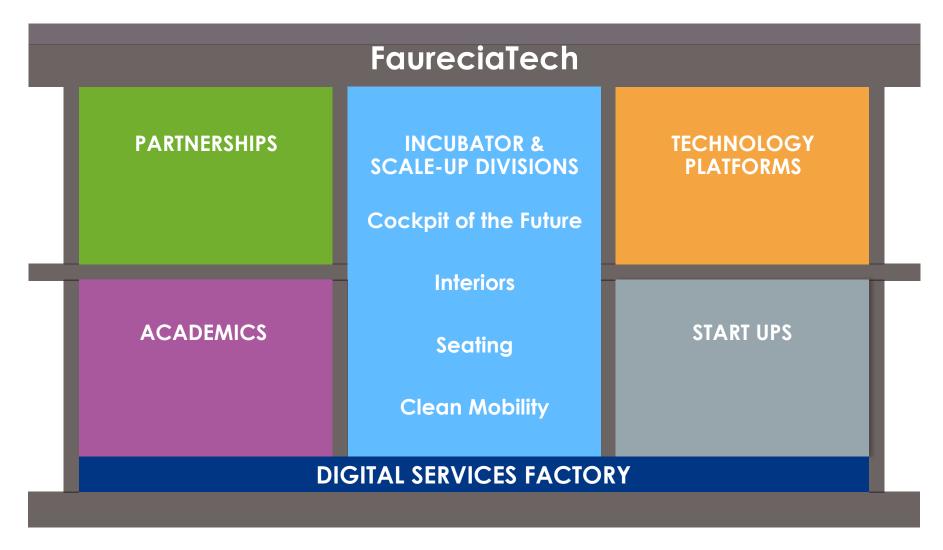
# Ambition to become leader in Cockpit Intelligence Platform (CIP)

Hardware, software, AI and services

- System-agnostic open and modular platform
- Faurecia unique position with Parrot, Accenture and our full interior scope



## A technology organisation to accelerate innovation and transformation





## Acquisitions and partnerships to accelerate innovation and transformation

**ACQUISITIONS** 





**SYSTEMS PARTNERSHIPS** 







**TECHNOLOGY PARTNERSHIPS** 



Japan Display Inc.

**START UP INVESTMENTS** 







CANATU





# Faurecia has unique set of key competences to develop New Value Spaces

#### CORE COMPETENCES

- Systems integration
- Systems architecture
- Comfort
- Ergonomics, HMI and cognitive expertise
- Safety
- Perceived quality
- Acoustics and sound management
- Thermal management
- Mechatronics and plastronics

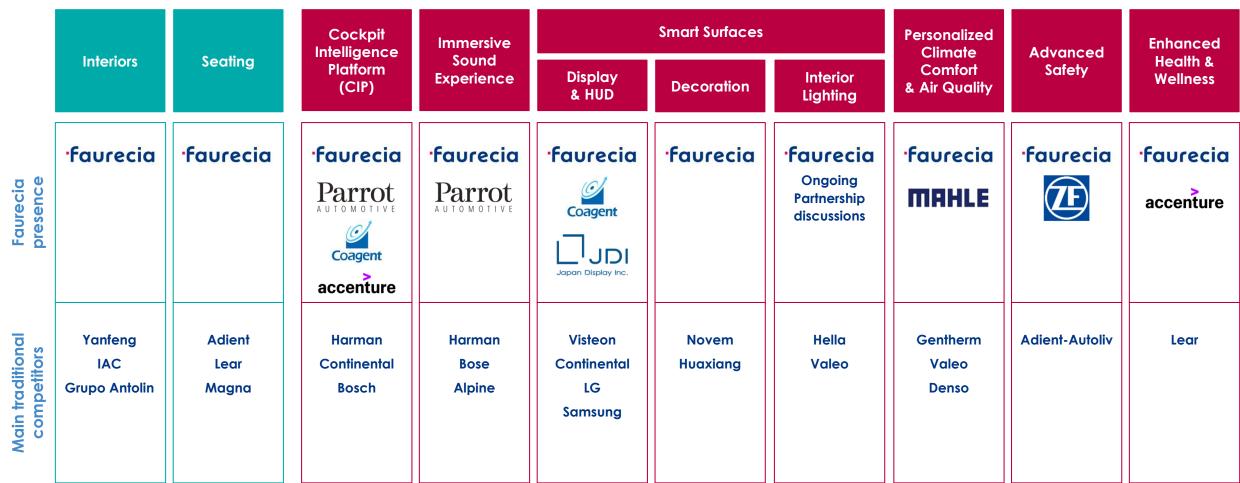
#### **COMPETENCES BEING RAPIDLY ACCELERATED**

- Software & electronics, data analytics, artificial intelligence and deep learning
  - 650 engineers today to be doubled by 2020
- Interior lighting
  - Ongoing partnership discussions



# With its ecosystem, Faurecia is the unique player with a full presence over all New Value Spaces

#### CORE BUSINESS NEW VALUE SPACES

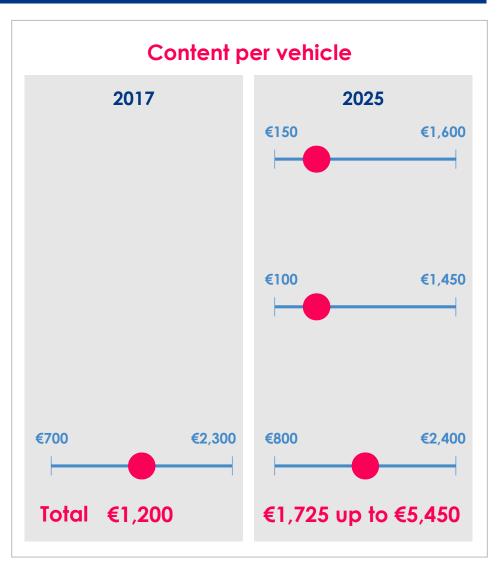




# Strategy to significantly increase our addressable market through the creation of a "triple win" offer

# SYSTEMS INTEGRATION **TECHNOBRICKS CORE BUSINESS MODULES**







# Agenda

New Value Spaces

Patrick Koller

Demonstrator Tour

David Degrange

Value Creation

Jean-Michel Renaudie/Eelco Spoelder



#### **Faurecia Tour**

## A complete system solution offer to meet customer demand

#### **DEMONSTRATOR 1**

Smart surfaces
Smart actuation



#### **DEMONSTRATOR 2**

Intuitive HMI solutions



#### **DEMONSTRATOR 3**

Personalized climate comfort & air quality



#### **DEMONSTRATOR 4**

Enhanced health & wellness
Intuitive HMI solutions



#### **DEMONSTRATOR 5**

Advanced safety
Smart actuation



#### **DEMONSTRATOR 6**

Voice activated
Cockpit of the Future
Cockpit Intelligence Platform



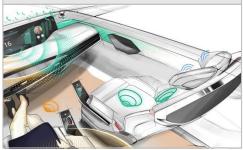
**DEMONSTRATOR 7** 

Enhanced health & wellness Cockpit Intelligence Platform



#### **DEMONSTRATOR 8**

Immersive sound experience



**DEMONSTRATOR 9** 

Cockpit Intelligence Platform



#### **DEMONSTRATOR 10**

Systems integration & user experience





# Agenda

New Value Spaces

Patrick Koller

Demonstrator Tour

David Degrange

Value Creation

Jean-Michel Renaudie/Eelco Spoelder



# Penetration of new functionalities is accelerating by 2025 Some examples





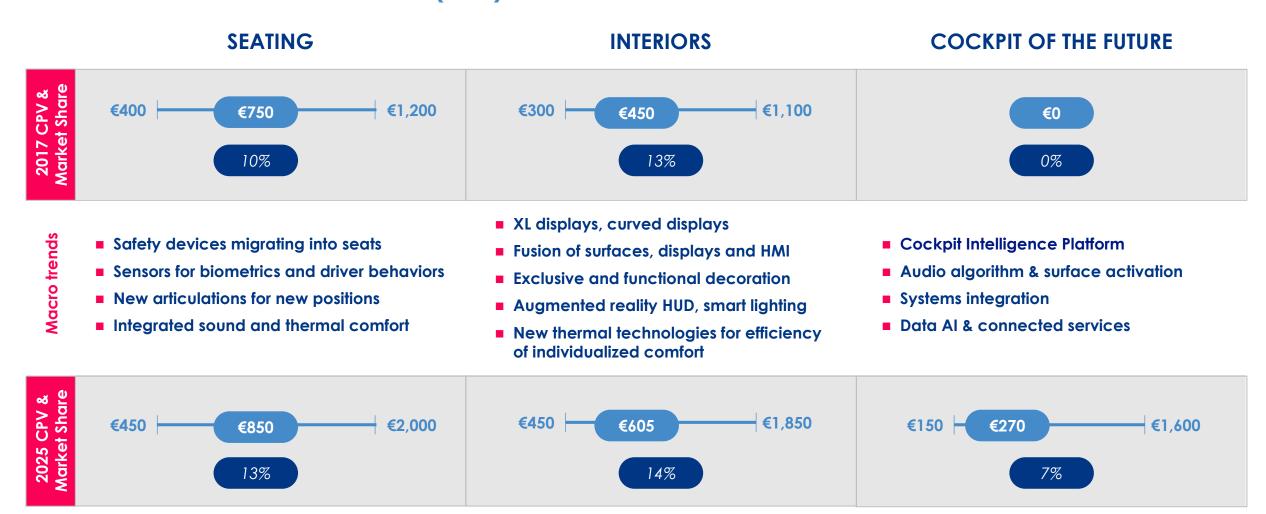
Function	Penetration	
	2017	2025
XL-display	20-30%	40-60%
HMI Smart Control Unit	n.a.	10-30%
Advanced Comfort	7%	15-20%
Complex Rear Seats	6%	20-30%
Cockpit Intelligence Platform	5%	20-30%

Function	Penetration	
	2017	2025
XL-display	< 10%	> 90%
HMI Smart Control Unit	n.a.	> 50%
Advanced Comfort	n.a.	40-50%
Sound Surfaces	n.a.	30-50%
Cockpit Intelligence Platform	20%	60-80%



# Ambition is to achieve leadership on the New Value Spaces thanks to our unique ability to offer system-optimization

#### GROWTH OF CONTENT PER VEHICLE (CPV) AND MARKET SHARE ON FAURECIA'S ADDRESSABLE MARKETS



## Faurecia unique positioning matches with customer archetypes

#### **NEW ENTRANTS**

Disruptive trendsetters and fast time to market

Favorable business model but uncertain volumes























Full design of multiple systems / full cockpit

> Focus on functionality and user experience

#### PREMIUM OEMS

Technology leaders High content per vehicle Sustainable business















System approach Focus on brand image and perceived quality

#### TRADITIONAL OEMS

High volume/mass production Mainstream technology deployment Brand differentiation















Specific innovation/technology bricks for mass production

Data solution /connected end-consumers

A customized approach building on our global customer intimacy to respect brand identity



# Business already awarded and important interest across the board

- More than €1.5bn of lifetime sales already awarded for New Value Spaces
- 13 co-developments with 10 customers
- Over 30 RFQs from all types of customers
- Interest from many other customers but selective approach to ensure we remain focused on concrete business development

#### ALL CUSTOMERS, ALL VALUE SPACES

Large displays, smart surfaces, lighting, wellness, health monitoring, thermal comfort, safety, HMI solutions, connectivity, infotainment, Cockpit Intelligence Platform....































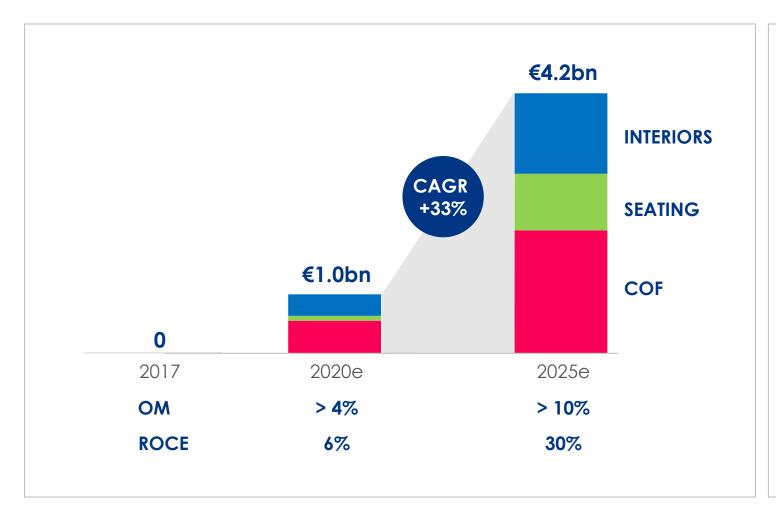






# A significant Smart Life on Board growth ambition Average growth: 33% per year from 2020

#### SMART LIFE ON BOARD NEW VALUE SPACES SALES



 Growth largely independent of autonomous driving deployment

2018-2025 cumulated:

Innovation €650m - €700m

■ Capex €350m - €400m

■ Patents filed 3,500 to 4,000

Until CoF exceeds €1bn of sales, it will be consolidated within Interiors



# Smart Life on Board Take-aways

- First-mover advantage through our core Seating and Interiors businesses, key competences, global presence, momentum in China and established partnerships & ecosystem
- BtoCtoB solution provider meeting consumer expectations
- Growth already starting and strong customer interest
- Systems integration positioning gives further potential to increase content per vehicle
- Low capital intensive business



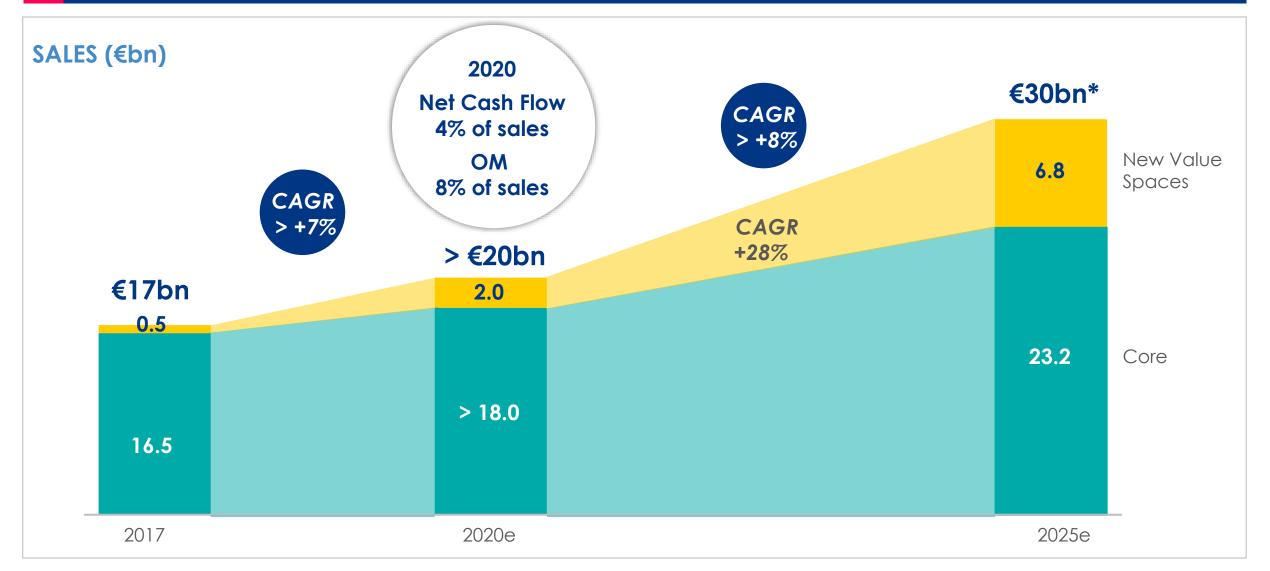




Patrick Koller

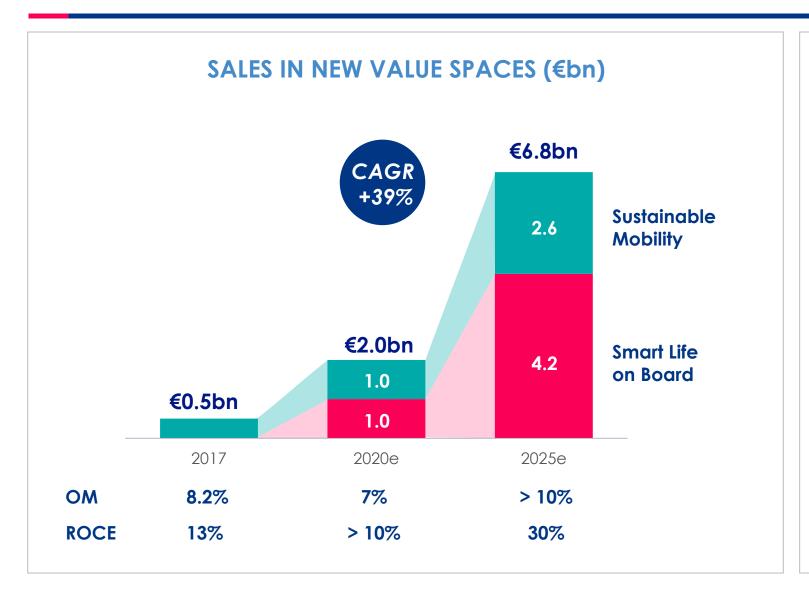


# Ambition to reach €30bn of sales in 2025 Secured growth for 2020 and conservative assumptions for New Value Spaces





## New Value Spaces take off in 2020 to reach almost €7bn in 2025



#### **TAKE-AWAYS**

- Strategy perfectly aligned with automotive megatrends
- Unique competitive position
- Consumer oriented business model (BtoCtoB solution provider)
- Attractive to best talents

