DAIMLER Sustainability Management & Environment@Daimler

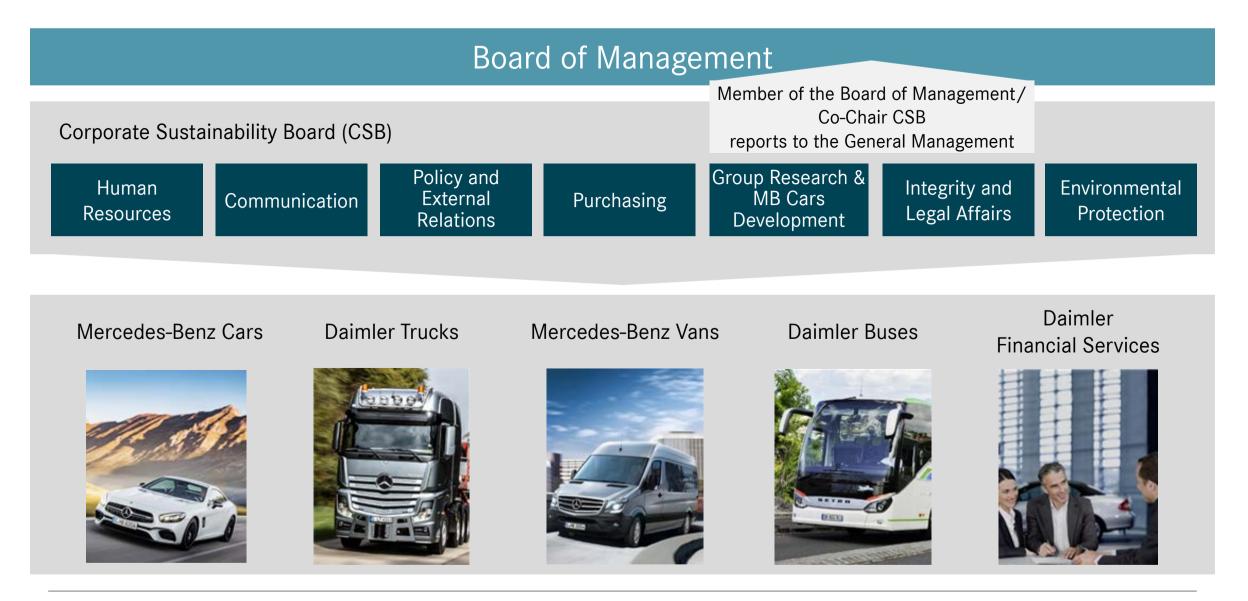
I. Organisation, Scope & Targets

II. Holistic approach towards Environmental Challenges

- III. Production related Issues
- IV. CO₂ & Electrification
- V. CASE

Dr. Udo Hartmann, Head Group Environmental Protection & Energy Management

Our Sustainability Management Daimler Group



Responsibilities and interfaces of Corporate Environmental Protection

Board of Management



Environmental Officer Business Units

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Daimler environmental protection targets 2022 structured by...

energy consumption

MBC plants

	Climate Protection & Energy				Air Quality & Health		Resource Conservation	
	Europa		Weltweit					_
	Reduction CO ₂ emissions passenger	-30% 2007 - 2016	Reduction CO ₂ emissions passenger cars and Light-	-25% 2012 - 2019	Market launch of ten models, which conform to the future legislation Real Driving	End	Use of renewable raw materials (MBC)	+25% 2010 - 2015
	cars	-44% 2007 - 2021	Duty-Trucks USA	2012-2019	Emissions (Step 1)	2017	Use of recyclates (MBC)	+ 25% 2010 - 2015
Product	Reduction CO ₂ emissions CV light	-10% 2014 - 2018	Reduction CO_2 emissions passenger cars China	-25% 2012 - 2019	Ensure allergy sufferer friendly interiors for all new passenger	^{Ву} 2020	Evaluate recourse efficiency of MBC	ву 2020
	Reduced consumption CV heavy	-20% 2005 - 2020	Reduced consumption CV heavy (NAFTA)	-10% 2015 - 2019	car models		Increased use of car2go	X 10 2011 - 2015
	Reduced consumption of buses	-20% 2005 - 2020					Construction of a hydrogen infrastructure	400 Ву 2023
	Reduction of CO ₂ and nitrogen oxide emissions over the entire life cycle for each new model generation							
	Achieve a leading position in premium segment of electric and hybrid vehicles 2							
	Reduction absolute CO ₂ emissions in plants (EU)	-20% 1990 - 2020	Reduction specific CO ₂ emissions in plants	-20% 2007 - 2015			Reduction specific water consumption of MBC plants	-15% 2015 - 2022
			Reductions specific	25%				0.50/

-25%

2015 - 2022

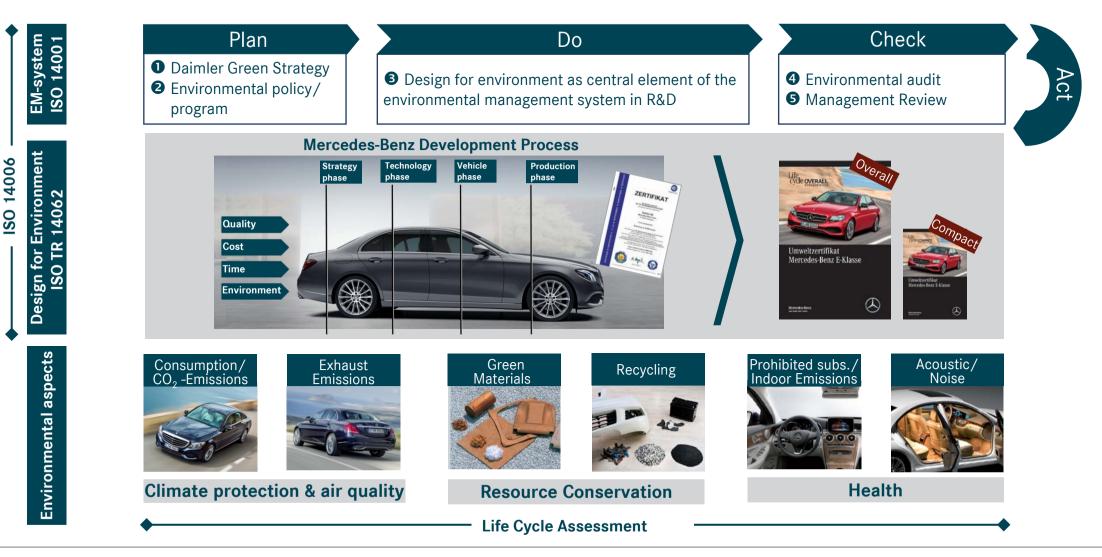
Reduction specific water consumption of MBC plants	- 15% 2015 - 2022
 Reduction specific waste mount of MBC plants	-25% 2015 - 2022

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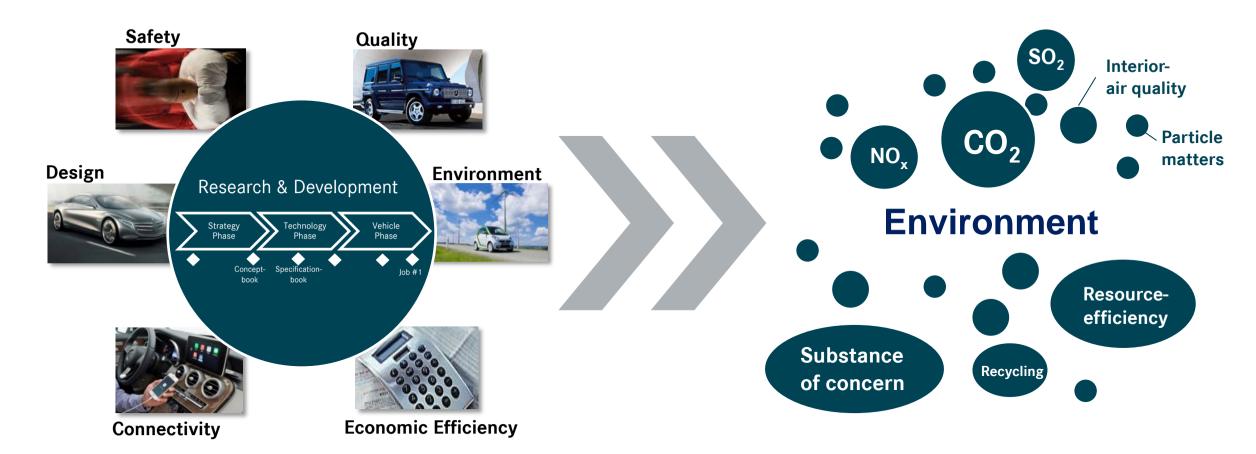
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CASE

Elements of the environmental management system RD with focus on design for environment



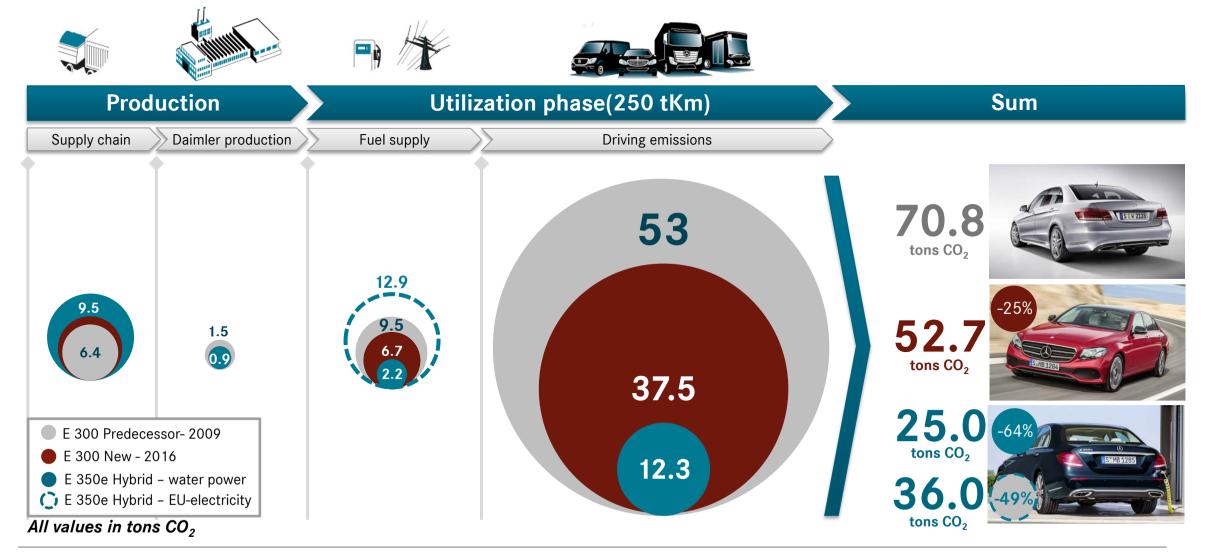
Challenges for research & development of automobiles



Balancing of disparate requirements in a permanent task in Research & Development

Within the different environmental targets contradictory effects are possible

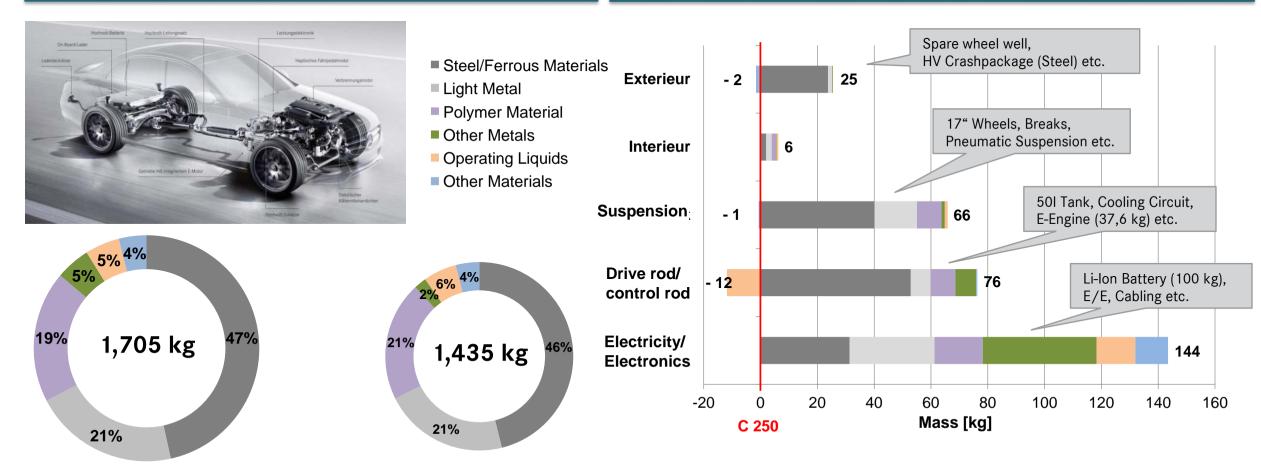
For our Products a look at the whole life cycle is crucial – E-Class Plug-In Hybrid E 350 e



The resource input of C 250 and C 350 e Comparison of Material Composition

+ 270 kg additional weight of C 350 e compared with C 250

Comparison of Modules [kg] (C 250 vs. C 350 e)



Daimler AG

Remanufacturing / Product Recycling New Life for Used Parts

Over 12,000 Parts in Reman Portfolio - incl. E-Drive Components...

CO₂ Emissions [kg] -15t Per Ton Batteries Steering Cylinder Head Instrument Cluster Catalyst Engine New Parts Mix Break Caliper Transmission Power Steering Pump - 95% Air Conditioning Reman Turbocharger **High-Voltage** Compressor **Battery-Mix** Reman-Prozess HV-Batteries for 5000 10000 E-Drive Passenger Cars - Plant Mannheim Injector CO₂ Emissions [kg] New Part Control Units - 60% Starter Generator COMAND Reman Transfer Case Drive Shaft Exchange Converter Airmatic Water Pump Air Condition Contro Transmissions 0 100 200 300 400 500 600 700

Daimler AG

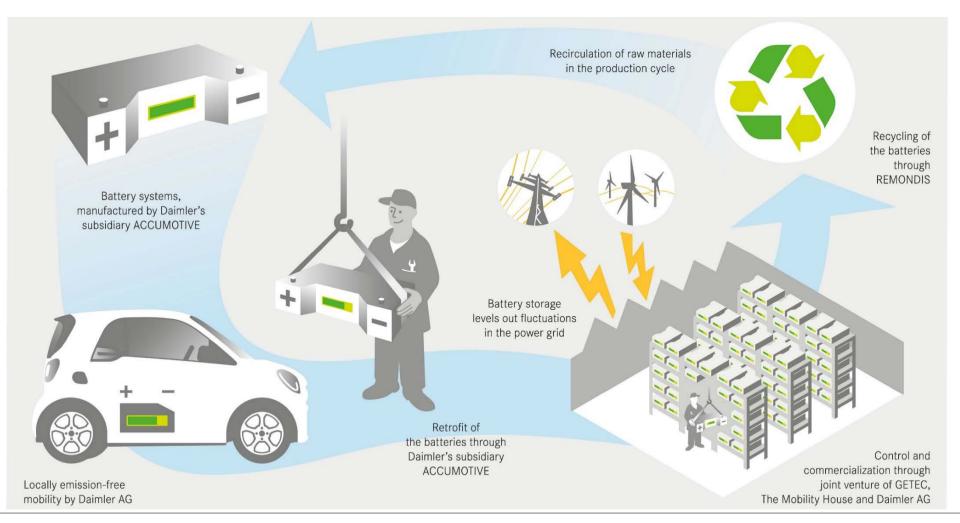
800

15000

...with significant environmental benefits

G281

E-Mobility thought to the end World's largest 2nd-use battery storage (13MW) in operation



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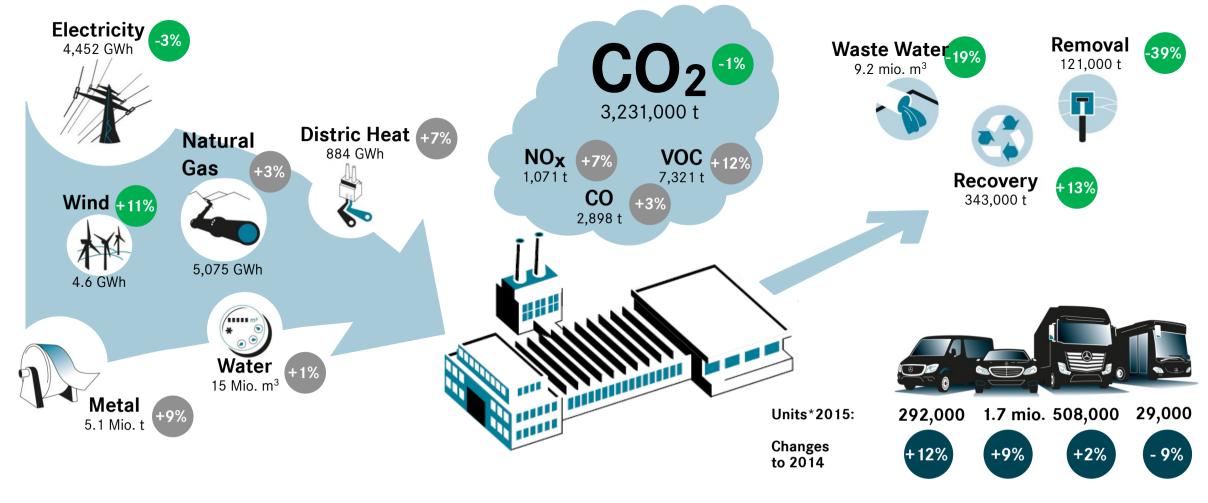
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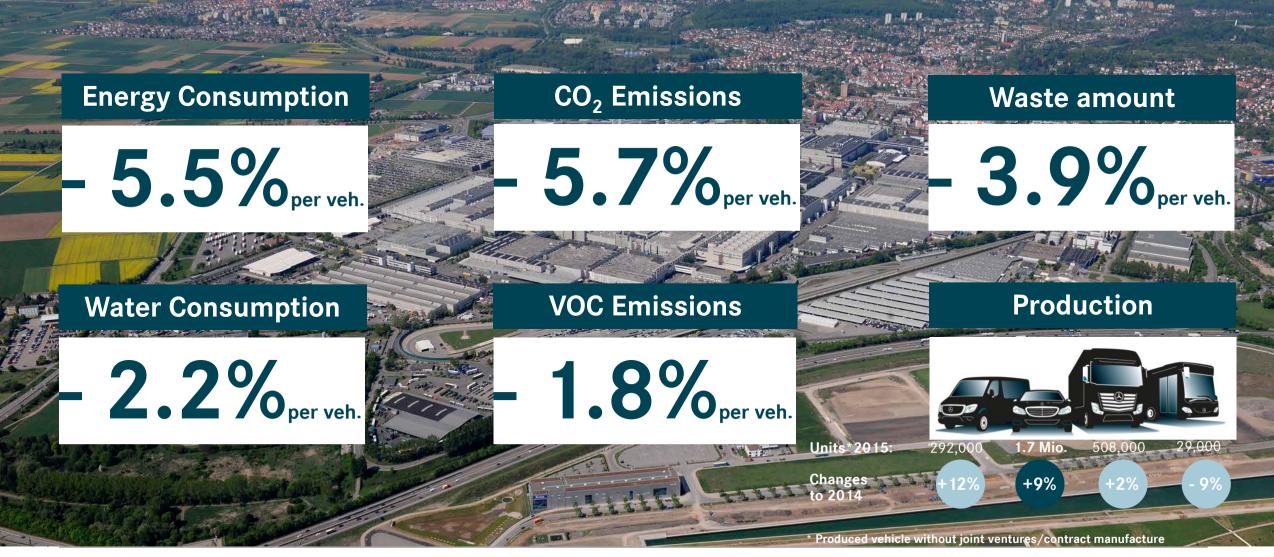
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Despite massive quantity increase, we reduced essential environmental impacts of **Daimler plants** in 2015

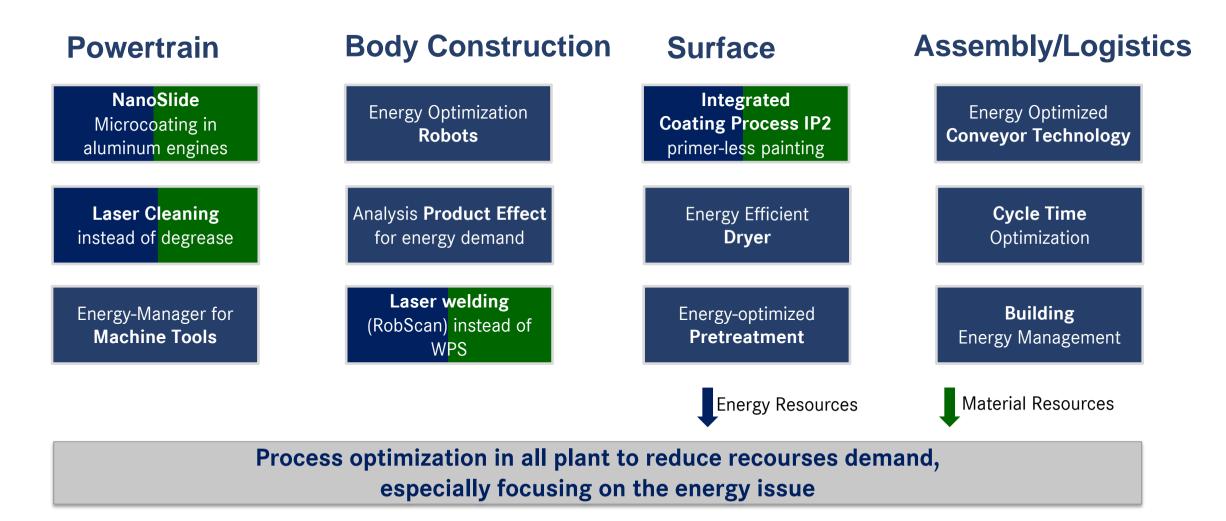


* Produced vehicle without joint ventures/contract manufacture

The relative environmental performance of MBC production improved significantly compart to the previous year



Production: Technical Modules to improve environmental performance



And how do we achieve these values... For example new Nanoslide Coating Technology



European Business Awards for the vironment

Aluminum Engine Block

Grey Cast Iron Cylinder



Nanoslide Coating

Process Optimization (2nd Generation*)

Mechanically Roughening instead of **High-Pressure Water Jet**

-Electric Energy

• ca. 700 MWh/a per module (Plan: 4 modules) • ca. 22,500 MWh over life cycle

-Process Water

• ca. 15,000 m³/a per module (Plan: 4 modules) • ca. 480,000 m³ water over life cycle

-Recirculation of aluminum chips

- Reduction of 8% primary aluminum
- Elimination of 15 t/a aluminum slurry

*) FAME = Family of Modular Engines = new family of state-of-the-art

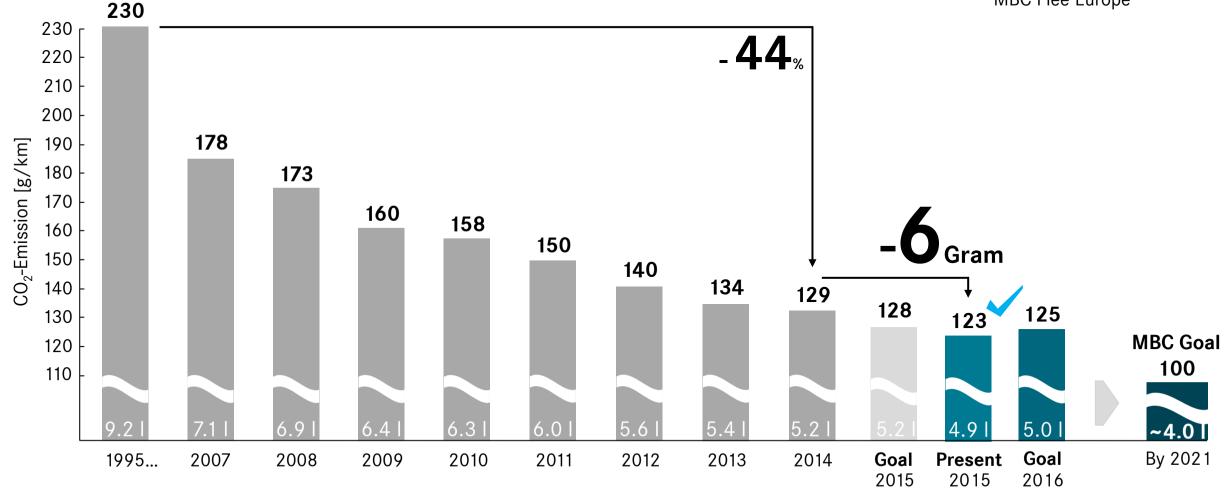
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Our road to emission-free driving Mercedes-Benz Cars Fleet in Europe



MBC Flee Europe



DAIMLER

Our road to emission-free driving

High-tech combustion engines

Consequent hybridization

Electric vehicles with battery and fuel-cell

-

NHYBREILD

Powerful and efficient: The new 4-Cylinder Diesel OM 654 sets standards in terms of environmental compatibility

17% Weight Reduction

24% Friction Losses

13% CO₂-Reduction

80% NOx-Reduction

14% Performance Increase

I 1% Improved Acceleration



Aluminum-Crankase

Nanoslide Coating

Stepped Combustion Bowls

Engine-Related Emission Control

Introduction of 10 plug-in-hybrid vehicles by 2017



Electric drive vehicles



Next generation fuel-cell system: huge technological progress



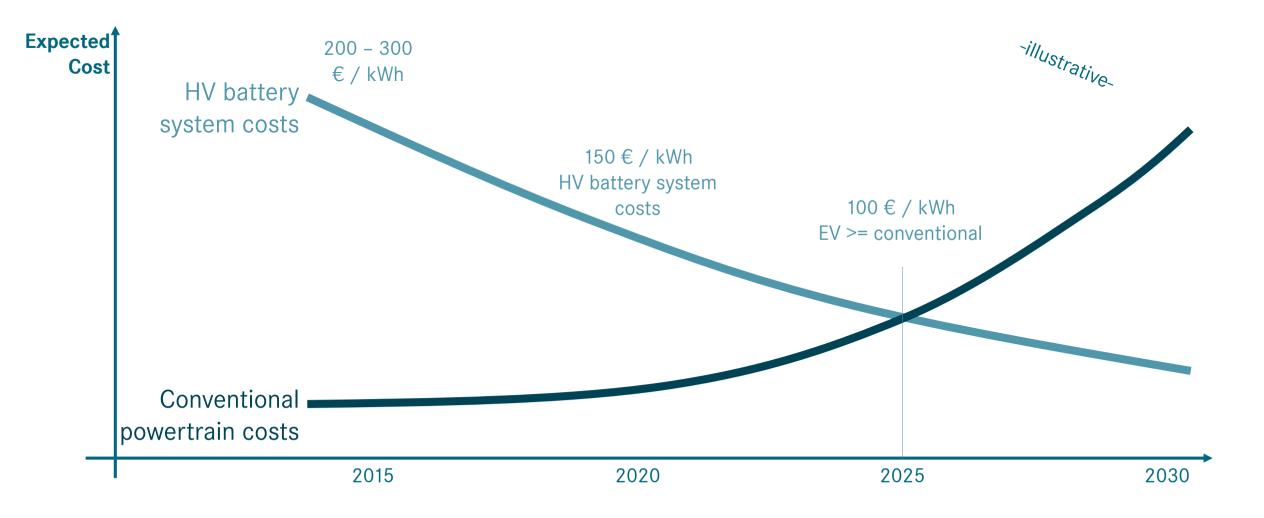
2017: Compartment package
20 g Platinum
9 kW / m² active area Electric turbo charger with turbine



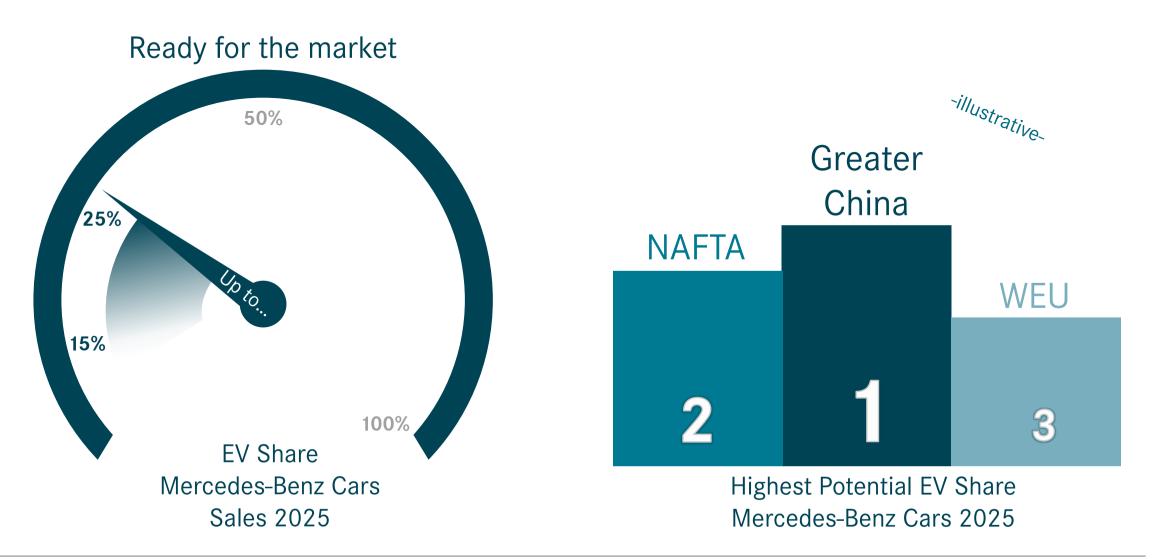
30% reduction fuel cell engine size
90% reduction of Platinum
30% higher electric range in future vehicles
40% higher system performance

Emission regulations and battery technology development favour battery cost position

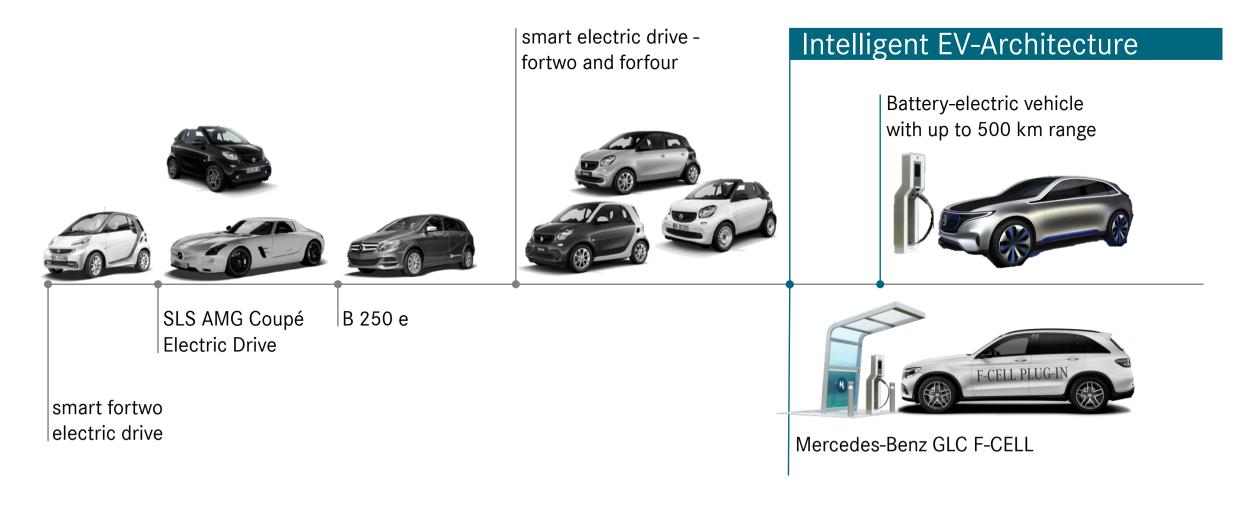




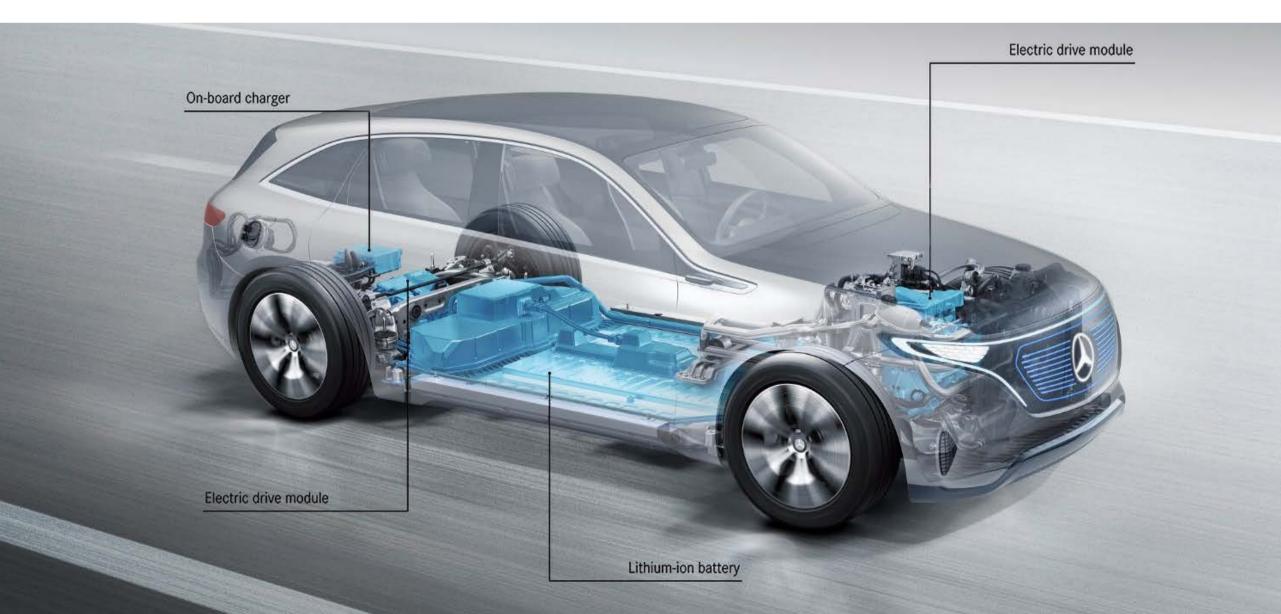
Ambitious Re-Definition of our EV market targets



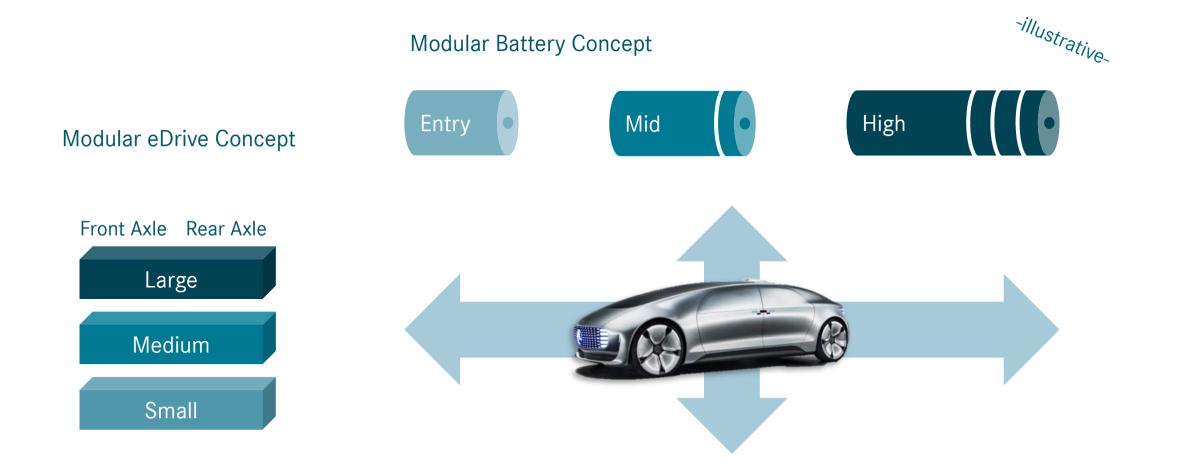
Electric Line Up extended into the Future



Foundation of new Mercedes-Benz electric vehicle strategy



Modular set up of next generation drive train technologies will allow a variety of derivatives



Investment of 500 million euros in our second battery plant in Germany



Deutsche ACCUMOTIVE GmbH & Co. KG, Kamenz, Germany

Production space stocked up from 20,000 to 60,000 m²

2nd plant start of operations: summer 2017

Production of Li-lon batteries for hybrid as well as electric vehicles and energy storage systems

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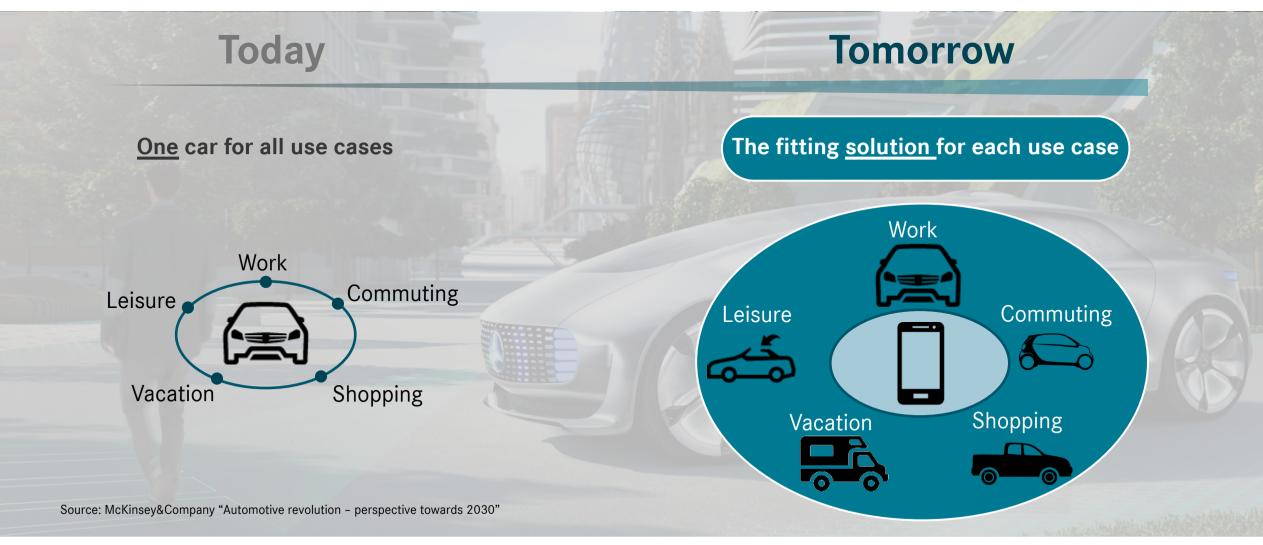
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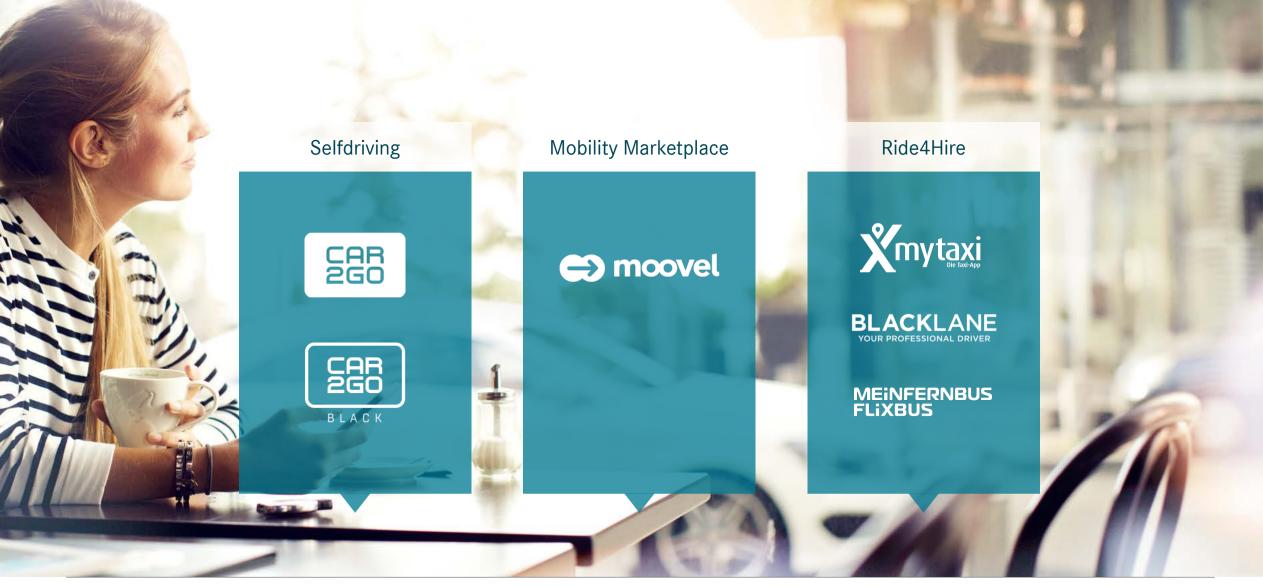
onnected

V. CASE

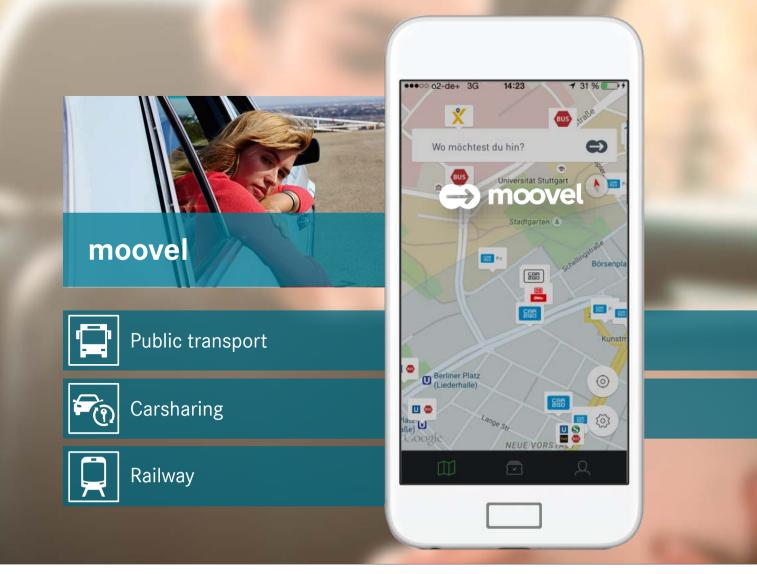
Today: one car for different mobility cases. Tomorrow: possibly the most suitable car *"on-demand".*



We are about to re-invent personal mobility



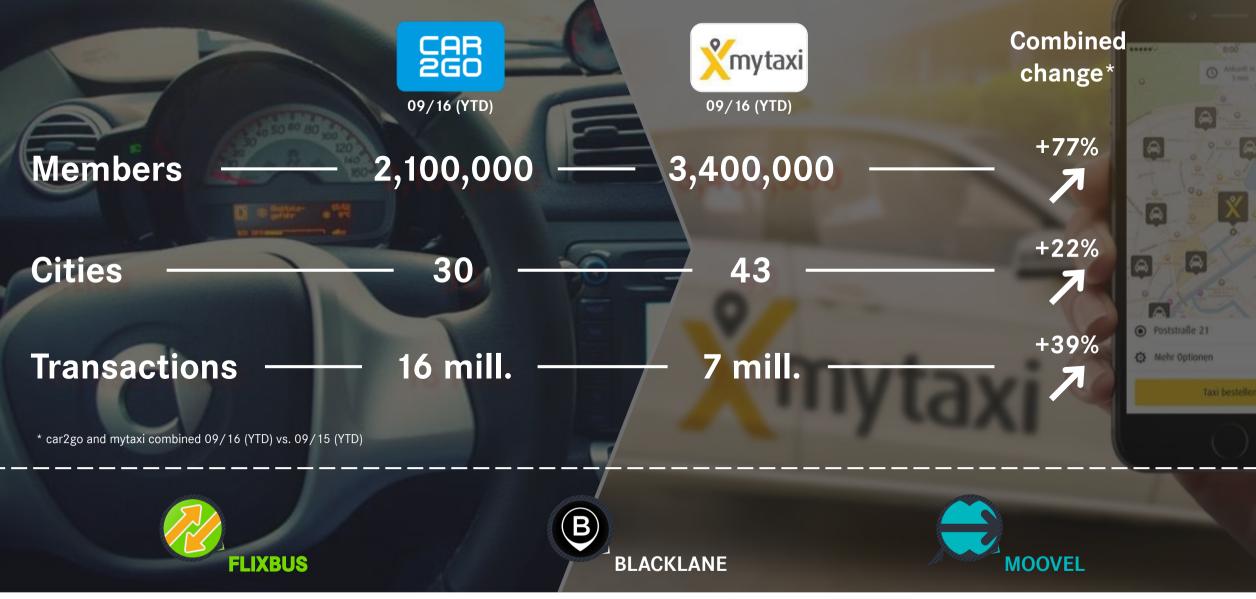
moovel - find, book and pay



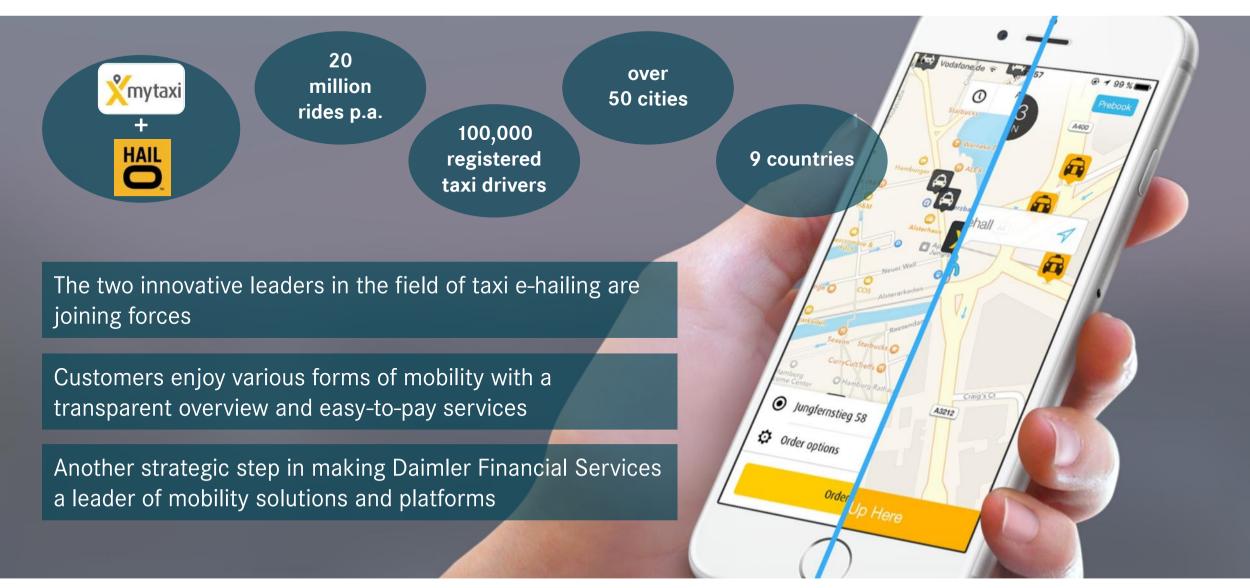




Forging ahead with increasing business in Mobility Services



mytaxi and Hailo create Europe's largest taxi e-hailing company



Leadership in Future Mobility will be determined by the combination of the four dimensions



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Sustainability

Disclaimer

This document contains forward-looking statements that reflect our current views about future events. The words "anticipate," "assume," "believe," "estimate," "expect," "intend," "may," "can," "could," "plan," "project," "should" and similar expressions are used to identify forward-looking statements. These statements are subject to many risks and uncertainties, including an adverse development of global economic conditions, in particular a decline of demand in our most important markets; a deterioration of our refinancing possibilities on the credit and financial markets; events of force majeure including natural disasters, acts of terrorism, political unrest, armed conflicts, industrial accidents and their effects on our sales, purchasing, production or financial services activities; changes in currency exchange rates; a shift in consumer preferences towards smaller, lower-margin vehicles; a possible lack of acceptance of our products or services which limits our ability to achieve prices and adequately utilize our production capacities; price increases for fuel or raw materials; disruption of production due to shortages of materials, labor strikes or supplier insolvencies; a decline in resale prices of used vehicles; the effective implementation of cost-reduction and efficiency-optimization measures; the business outlook for companies in which we hold a significant equity interest; the successful implementation of strategic cooperations and joint ventures; changes in laws, regulations and government policies, particularly those relating to vehicle emissions, fuel economy and safety; the resolution of pending government investigations or of investigations requested by governments and the conclusion of pending or threatened future legal proceedings; and other risks and uncertainties, some of which we describe under the heading "Risk and Opportunity Report" in the current Annual Report. If any of these risks and uncertainties materializes or if the assumptions underlying any of our forward-looking statements prove to be incorrect, the actual results may be materially different from those we express or imply by such statements. We do not intend or assume any obligation to update these forward-looking statements since they are based solely on the circumstances at the date of publication.