Prof. Herbert Kohler Vice President Group Research & Sustainability

Paris, 28 September 2012

Our world is changing – Individual mobility is changing, too.

Globalization

- Global networks
- Worldwide cooperation
- Shifting of markets
- Increasing competition

Shortage of resources

- Shortage of natural resources
- Demand for alternative energy sources

•...

Change of values

- "Green" awareness
- Individualization
- Additional forms of mobility
- •New communication channels



Legislation

- National emission regulations
- National safety ratings
- Customs & trade restrictions
- Local production

Technology

• . . .

- Powertrain innovations
- •New materials and procedures

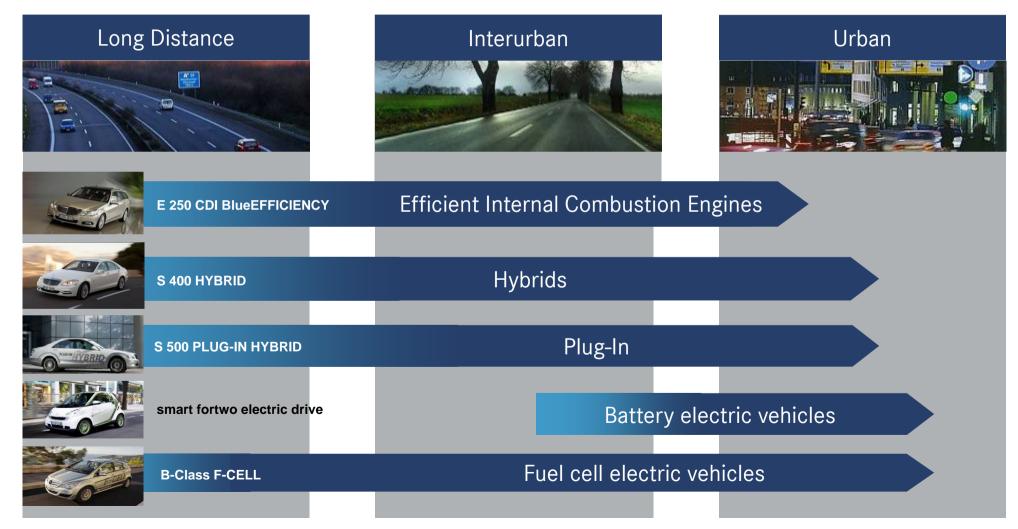
Urbanization

- Mega-Cities
- Shortage of space
- •New mobility requirements
- Areas with restricted access



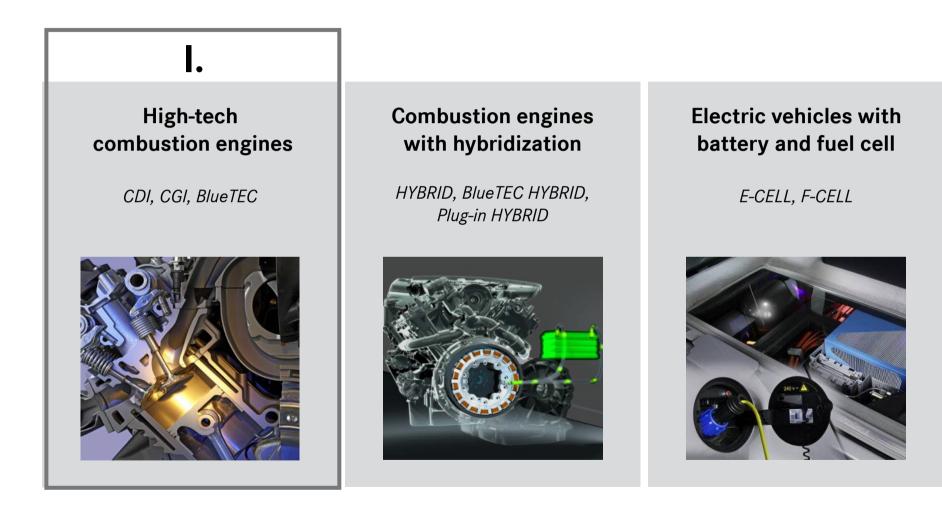
Prof. Herbert Kohler / Daimler AG / 120920

Drive train portfolio for tomorrows mobility Different use cases and options

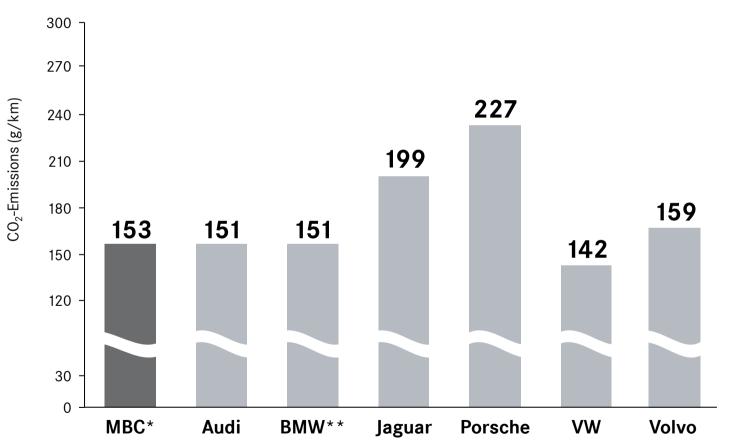


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Technology portfolio for sustainable mobility



CO₂- Emissions of new cars registered in Germany in 2011





* Mercedes-Benz Cars incl. smart and excl. Vans

** BMW incl. Mini

Source: Federal Motor Transport Authority (KBA); auto, motor und sport 5/2012

The new Actros: We set a fuel efficiency record again!

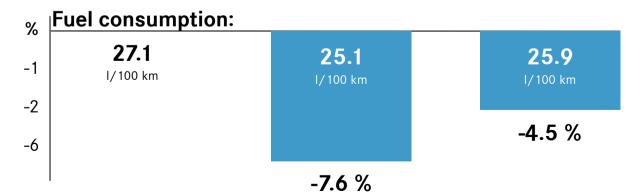
Actros 1844 (Euro V)





New Actros 1845 (Euro VI)

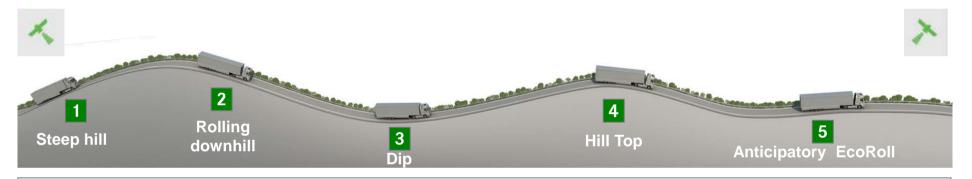




The New Mercedes-Benz Actro Mei

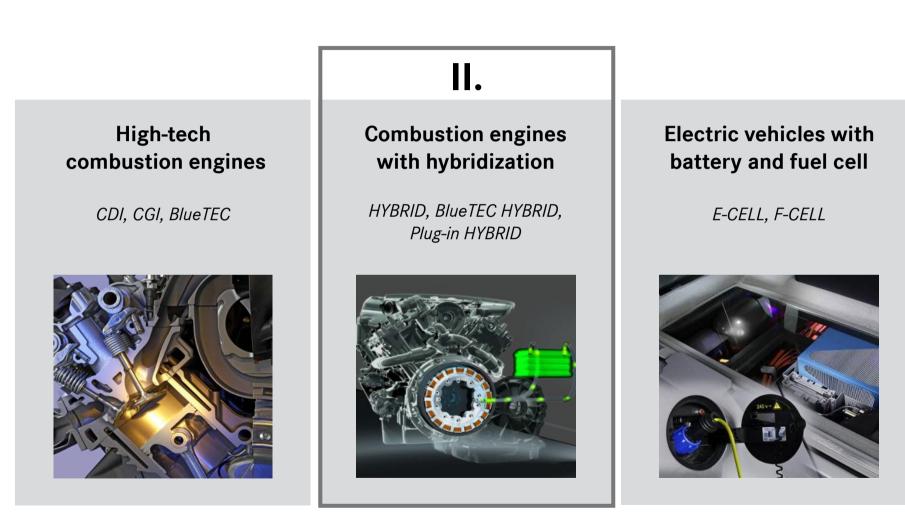
The new Predictive Powertrain Control system reduces the fuel consumption of the new Actros by up to -3% additionally

Predictive Powertrain Control: Overview



- By combining digital 3D maps and GPS information it is possible to generate an electronic horizon which is deployed to optimise shift points, gear steps and cruise control speed by anticipatory means
- In this way a driving style adapted to the given topography is integrated into the automated powertrain control system which even experienced drivers with a good knowledge of the route, the load and the vehicle's capabilities will barely be able to top
- This leads to fuel savings of up to -3% (value attainable at unaltered speed; specific level dependent on the characteristics of the route concerned)
- With this system, MB Trucks is the first company to offer a powertrain which controls the vehicle in a fully anticipatory manner; it rolls, accelerates AND changes gear in anticipatory mode – and in a way which is intuitively pleasant to the driver!

Technology portfolio for sustainable mobility



Hybrid vehicles of Mercedes-Benz



S400 HYBRID: **7.9** I/100km (**186** g/km)



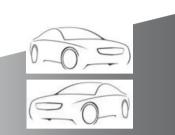
ML450 HYBRID: **7.7** I/100km (**182** g/km)



E300 BlueTEC HYBRID: 4.2 I/100km (109 g/km)

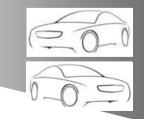


E400 HYBRID: **37 mpg** (adjusted)





S500 Plug-In- HYBRID: **3.2** I/100km (**74** g/km)

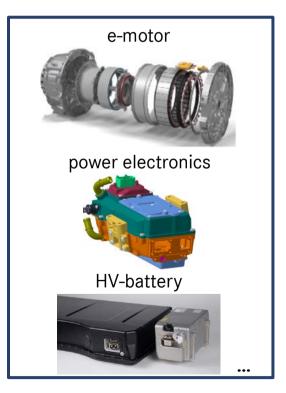


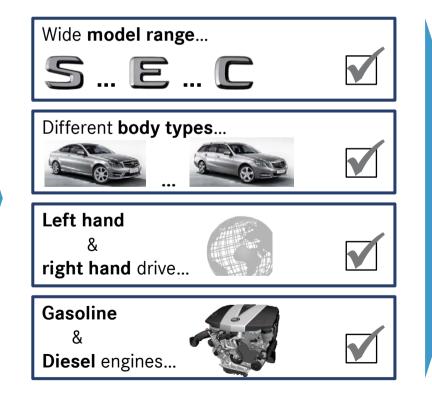
Scalable module hybrid system allows for maximum customer benefits and minimizes costs

Standardized hybrid **modules** ...

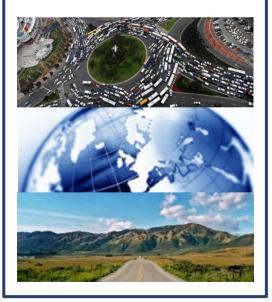
... can be **combined** with various vehicle/powertrain configurations ...

... to meet world-wide **customer** expectations!

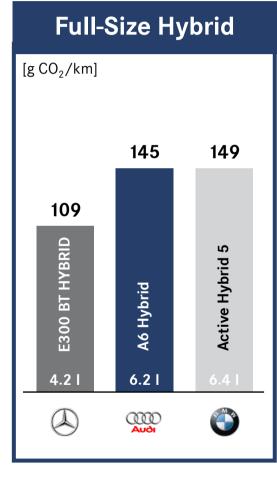




Superior products for our customers world-wide



The world's most economical luxury-class model without any compromises in cargo capacity!





E300 BlueTEC HYBRID

Daimler Product Portfolio Alternative Drivetrains Distribution and other Commercial Vehicles



Freightliner M2^e Hybrid



Mercedes-Benz Atego BlueTec Hybrid



Mercedes-Benz Vito E-CELL



Mercedes-Benz Sprinter NGT

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Mercedes-Benz NGT Econic

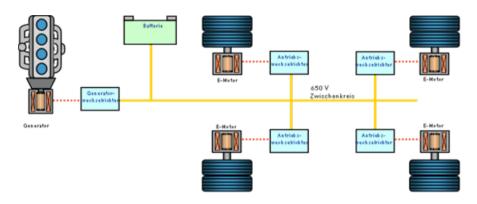


FUSO Canter Eco Hybrid

Daimler Hybrid-Bus: Mercedes-Benz Citaro G BlueTec Hybrid

Diesel-Electric Hybrid Concept

• Serial Hybrid power train



- Up until now, the only hybrid bus which can run for some time on electricity only
- Electric wheel hub motor
- World wide largest Lithium-Ion battery in mobile application (max. 240 kW)



Technology portfolio for sustainable mobility

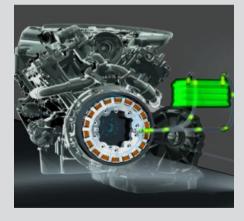
High-tech combustion engines

CDI, CGI, BlueTEC

Combustion engines with hybridization

HYBRID, BlueTEC HYBRID, Plug-in HYBRID

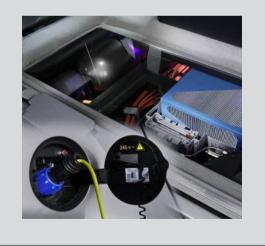




|||.

Electric vehicles with battery and fuel cell

E-CELL, F-CELL



More than 3.000 electric vehicles on the road since 2011

Mercedes-Benz A-Class E-CELL	smart fortwo electric drive	Mercedes-Benz SLS AMG E-CELL	Mercedes-Benz B-Class F-CELL	Mercedes-Benz Vito E-CELL
WILLIAM CONTRACTOR OF CONTRACT	ССС 4209 ССС 4209		A 864	B SN 4494
70 kW, 290 Nm	30 kW, 120 Nm	392 kW, 880 Nm	100 kW, 290 Nm	60 kW, 280 Nm
In series production	In series production	Market entry in 2013	In series production	In series production
250km	140 km	200 km	400 km	130 km

Purely electric driving for everyone smart fortwo electric drive in "large scale" production



Zero-Emission-Mobility and fascinating driving experience: SLS AMG E-CELL

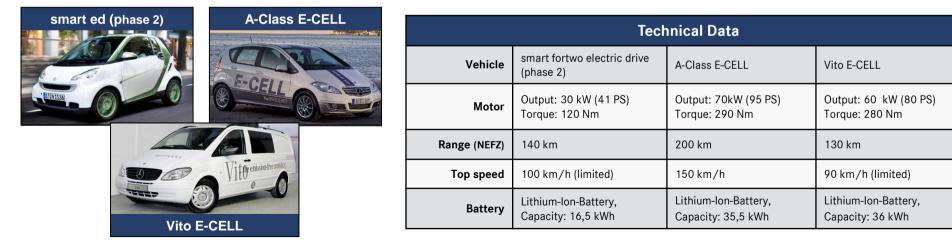
• E-motor: 392 kW



Worldwide Fleet Operation with Daimler's Battery Electric Vehicles

- World wide fleet operation in diverse demonstration projects in Northern America, Europe and Asia from 2010
- > Operation of 1500 electric smarts, 500 A-Class E-CELLs and 500 Vito E-CELL
- From 2012 the smart electric drive (phase 3) will be the first commercially sold battery electric vehicle from Daimler





Daimler has the target to commercialize battery electric vehicles in the foreseeable future

Worldwide Fleet Operation with Daimler's Fuel Cell Electric Vehicles

- New fleet operations has started in Germany, Europe and USA from 2010
- Operation of 200 Mercedes-Benz B-Class F-CELL, 30 Citaro FuelCELL Hybrid Busses and 3 Mercedes-Benz HySys Sprinter
- Worldwide largest Fuel Cell Fleet, over 4 mio. km operating experience
- All fleet operations / demonstrations have to be recognized as first steps to a later commercialization



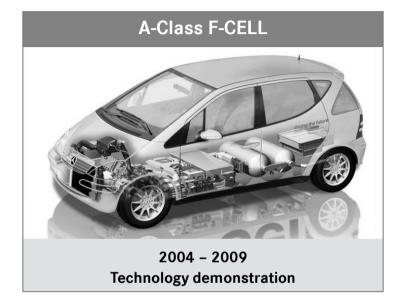


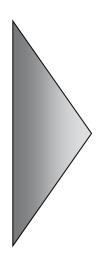




Daimler has the target to commercialize fuel cell vehicles in the foreseeable future

Daimler B-Class F-CELL – Current generation of Fuel Cell vehicles

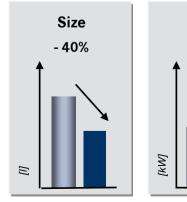


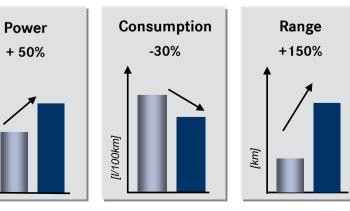




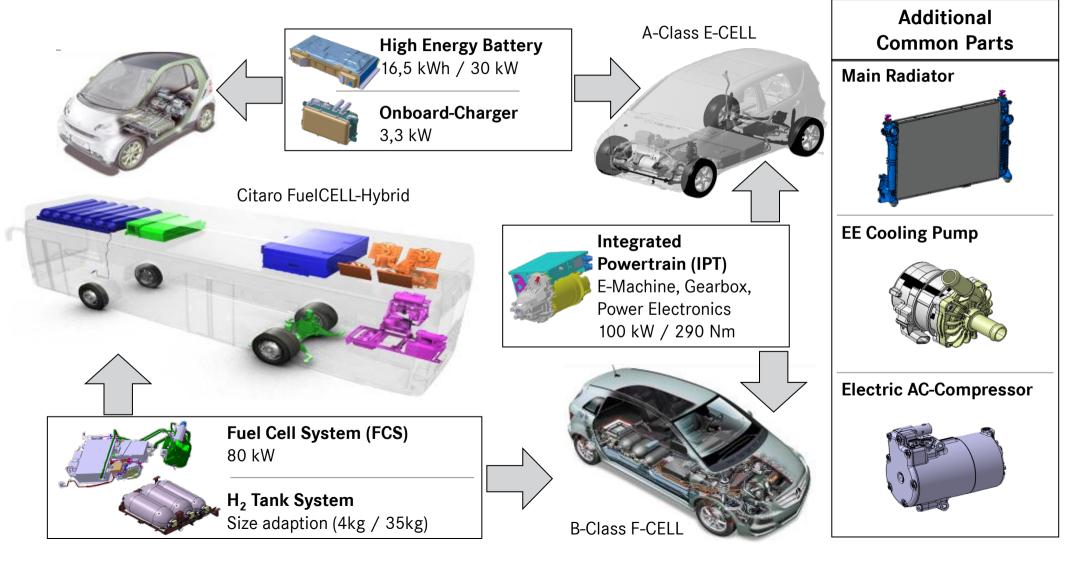
B-Class F-CELL:

- Higher stack lifetime >2000h
- Improved Performance (65kW → 100kW)
- Improved Reliability
- Higher Range (160km →400km)
- Improved cold start capability (-25 C°)
- Lithium-Ion Battery

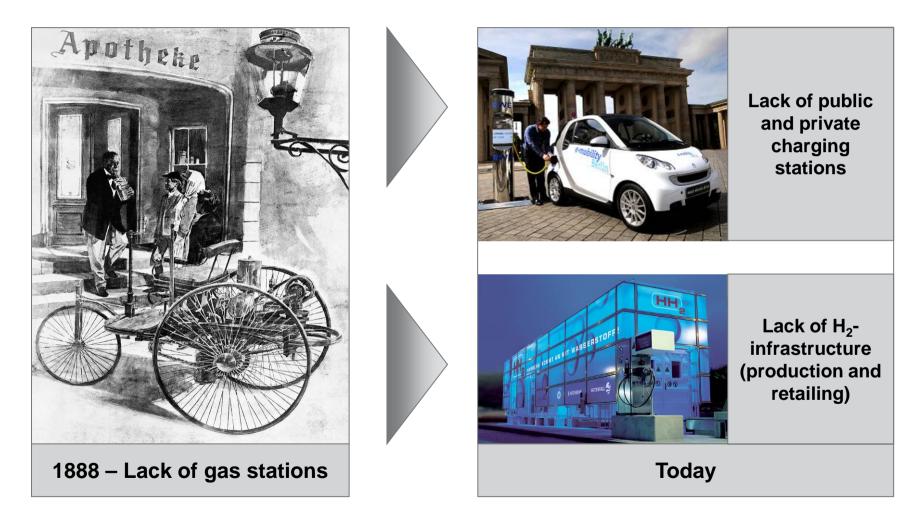




Vehicle overlapping module strategy as precondition for economic viability

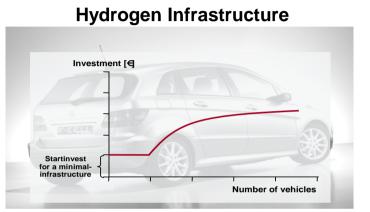


Challenge of infrastructure – in the past and today



Summary

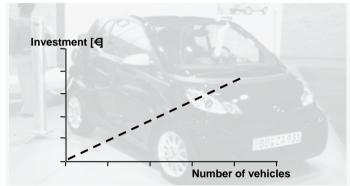
Financial aspects



- H₂-infrastructure requires start-up investments
- In long term view the Business Case is positive

Conclusion

Public Charging Infrastructure



- The investment for public charging infrastructure is proportional to vehicle sales
- Negative Business Case for Public AC Charging stations expected
- Battery electric and fuel-cell electric vehicles will both be needed to achieve our CO2 reduction targets
- Both technologies need supporting infrastructure. FCEVs in particular need a start invest to overcome the initial hurdle.
- Joint efforts by industry and government have to prepare the markets and initiate infrastructure build-up

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Mercedes-Benz F-CELL World Drive - maturity proven!



Summary: With our technology portfolio we are prepared for the Future

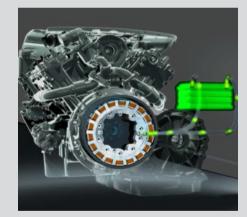
High-tech combustion engines

CDI, CGI, BlueTEC

Combustion engines with hybridization

HYBRID, BlueTEC HYBRID, Plug-in HYBRID





Electric vehicles with battery and fuel cell

E-CELL, F-CELL



And we are best in class today:

VCD-environment-catalog 2012/2013:

Brand	Number of vehicles	****/ ****	***	**	*
Audi	18 (18)	1 (3)	6 (4)	5 (6)	6 (5)
BMW	17 (15)	0 (0)	3 (1)	5 (5)	9 (9)
Mercedes	23 (23)	2 (0)	4 (2)	12 (11)	5 (10)

() result of the preceding year

- $\star \star \star \star \star$ when buying a car then one of these!
- $\star\star\star\star$ acceptable for ecological sensitive drivers
- $\star\star\star$ only passable when driving environmentally friendly
- ★★ environmentally critical
- ★ environmentally questionable

OEMs environmental engagement rating:

	Daimler /smart	Volkswagen	Peugeot / Citroën
Position	1	2	3

Things you need to know...

Our achievements:

- Over **50%** of our new **patent applications** are **in Green Technologies**.
- We are the first automotive manufacturer which certified passenger cars according to ISO standard 14062 "Design For Environment".
- 75% of our passenger cars consume less than 7 l/100km.
- Our Mercedes-Benz cars have the lowest air resistance (Cd values) in every class.
- **smart** is the global **CO₂ champion**.
- In Europe almost every sold E- and C-class is a BlueEFFICIENCY model.
- Our S250 CDI is the first 5-Liter car in the luxury class.
- Our Vito E-CELL is the world`s first series-produced van with electric drive.
- We are the **global market leader** for **hybrid drives** in the commercial vehicle segment thanks to our **buses** and **trucks**.
- Our new Cascadia is the fuel economy leader truck in the USA.
- In the ADAC EcoTest, our E350 BlueTec became the first diesel car to achieve the full points for exhaust emissions and our S350 BlueTec had the best environmental performance of luxury cars (exhaust emissions and CO₂).

Things you need to know...

Our achievements:

- We have about 380000 Green Commercial Vehicles with SCR technology as well as 15550 with alternative drive technology on the road.
- Our new Mercedes-Benz Actros is the world's first truck which fulfills the Euro VI emissions standard and is the champion for fuel efficiency.
- In 2014, 50% of our passenger cars will meet the Euro 6 emissions standard in advance.
- Our Diesel-SUVs were the first to meet the stringent emissions standards of all 50 U.S. states.
- We are the **only** German manufacturer to develop and produce our **own Li-ion batteries**, and we are the **first** worldwide **to introduce** a Li-ion battery into a **series-produced hybrid** car.
- We put the world's first fuel cell vehicle, the NECAR (MB100), on the road way back in 1994.
- Our **fuel cell vehicles** have clocked up more than **4.5 million kilometers** and traveled around the globe in 125 days. We have the world's **largest fleet** of fuel cell vehicle.
- We are the **only** automaker that is already **building 4 series-production electric cars**! Until end of this year we will have approximately **5,000** electric vehicles **on the road**.
- The European Audit **EAMS** has given the **most comprehensive** environmental **certification** of all automobile sales organizations in Germany to our **Mercedes-Benz sales organization**.
- We were the first to receive the Sustainable Building seal for our CO₂-neutral Commercial Vehicle Center in Berlin.
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Disclaimer

This document contains forward-looking statements that reflect our current views about future events. The words "anticipate," "assume," "believe," "estimate," "expect," "intend," "may," "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 funding possibilities on the credit and financial markets; events of force majeure including natural disasters, acts of terrorism, political unrest, industrial accidents and their effects on our sales, purchasing, production or financial services activities; changes in currency exchange rates; a shift in consumer preference towards smaller, lower margin vehicles; or a possible lack of acceptance of our products or services which limits our ability to achieve prices as well as to adequately utilize our production capacities; price increases in 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 of companies in which we hold a significant equity interest, most notably EADS; 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 governmental investigations and the conclusion of pending or threatened future legal proceedings; and other risks and uncertainties, some of which we describe under the heading "Risk Report" in Daimler's most recent Annual Report. If any of these risks and uncertainties materialize, or if the assumptions underlying any of our forward-looking statements prove incorrect, then our 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. Any forward-looking statement speaks only as of the date on which it is made.

Appendix

2



Daimler Trucks

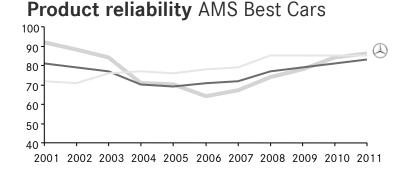
Leadership – a state of mind



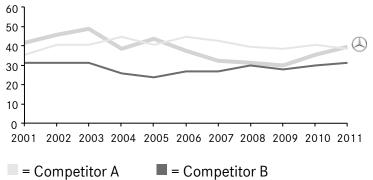
Four levers of Mercedes-Benz 2020

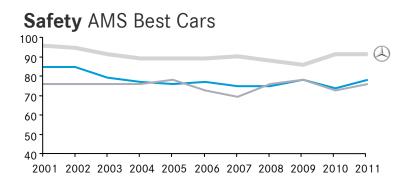


Brand: Development of brand value and perception



Perception of advertisement AMS Best Cars





Brand: "The Best or Nothing"



Products: SUV Offensive - Our new GLK-Class



Products: SUV Offensive - Our new GL-Class



Products: Our new SL-Class

Nerves of steel. Body of aluminium.

The new SL with an entirely aluminium body.

Thanks to lightweight construction throughout, the new SL 350 V6 is 140 kg lighter than its predecessor. Fuel consumption is reduced by 29.6%, while the dynamism and agility have simultaneously been improved. Fuel consumption (urban, extra-urban, combined) 9.9–9.3/6.1–5.4/7.5–6.8 I/100 km, $\rm CO_2$ emissions (combined) 176–159 g/km. Athlete, aesthete, www.mercedes-benz.com/sl Figures do not relate to the specific emissions of any individual which, do set time set at any offer, due to mostly address to the specific emissions (combined) there emissions the set of the specific emissions of a gradient set.

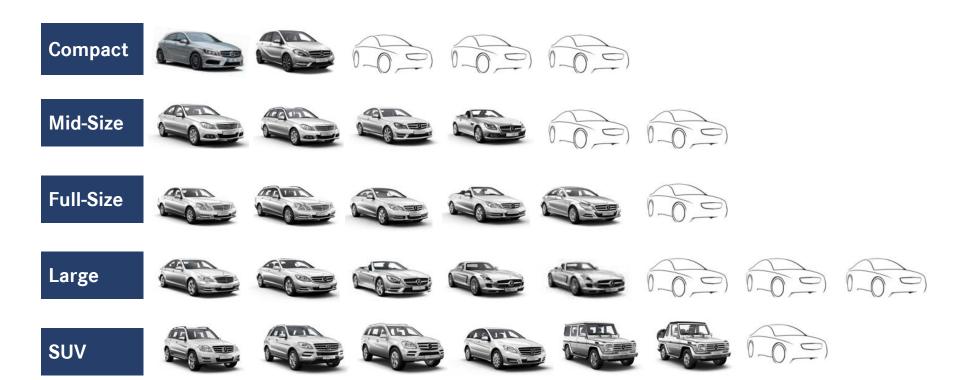
Products: The new A-Class



Products: Mercedes-Benz Concept Style Coupé



More to come: At least 10 additional model series by 2015

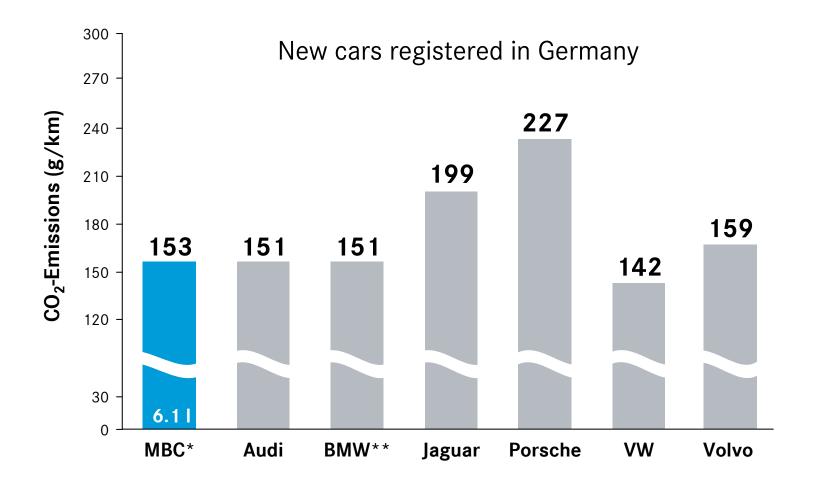


Products: Delivering on responsibility



Fuel consumption combined in I/100 km

Products: CO₂- Emissions in 2011

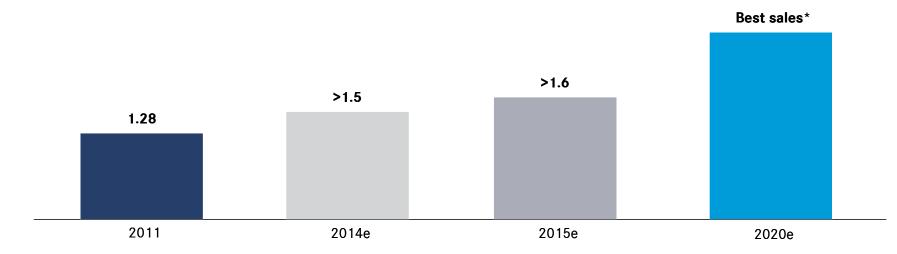


* Mercedes-Benz Cars incl. smart and excl. Vans ** BMW incl. Mini

Source: Federal Motor Transport Authority (KBA); auto, motor und sport 5/2012

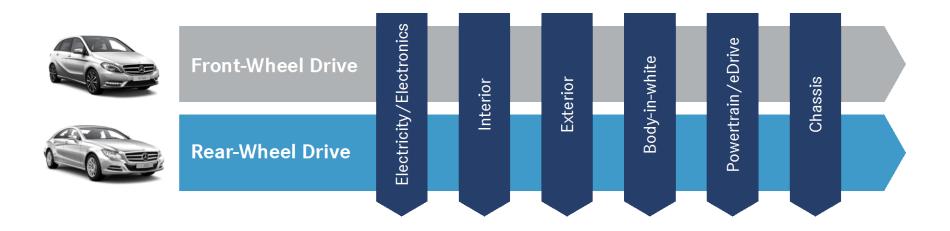
Sales: At least 1.6 million cars in 2015 – sales leadership in 2020

Mercedes-Benz sales forecast [million units – without smart]



*Within automotive premium segment; schematic representation

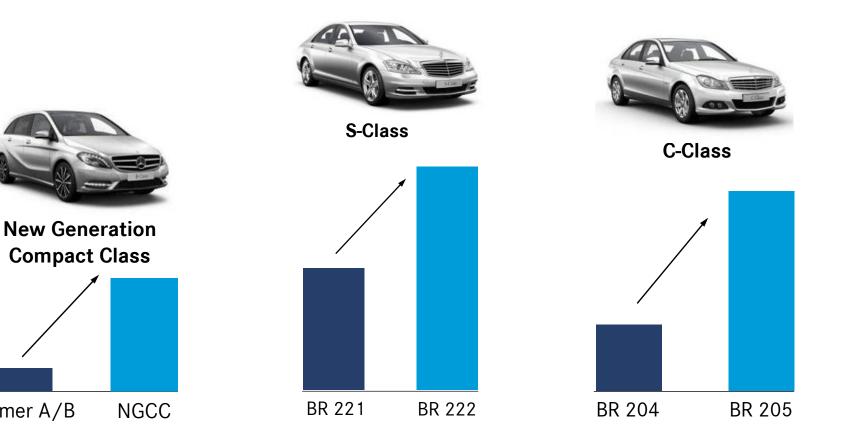
Profit: Common vehicle architectures and module strategy enable efficient use of resources



Former A/B

Profit: Strong improvement at New Generation Compact Cars, S-Class and C-Class

EBIT Lifecycle Performance Development

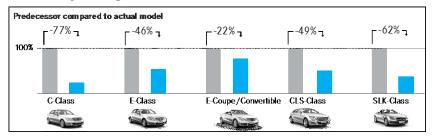


Profit: Mercedes outperforms competition in initial quality and long term quality dependability

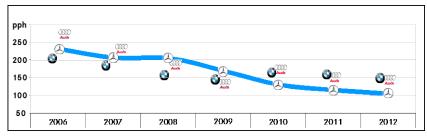


J.D. Power Initial Quality Study

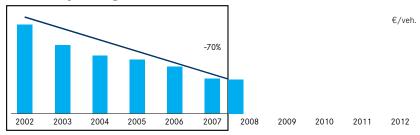
Warranty and good will cost - 12 months in sales



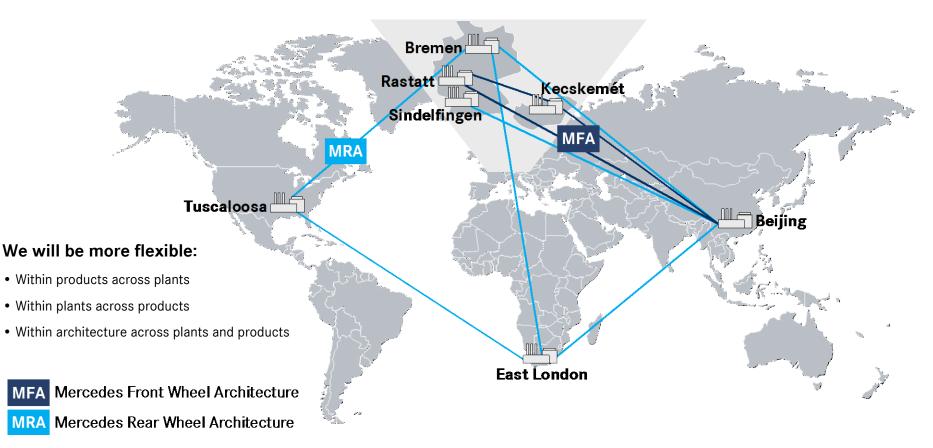
J.D. Power Vehicle Dependability Study



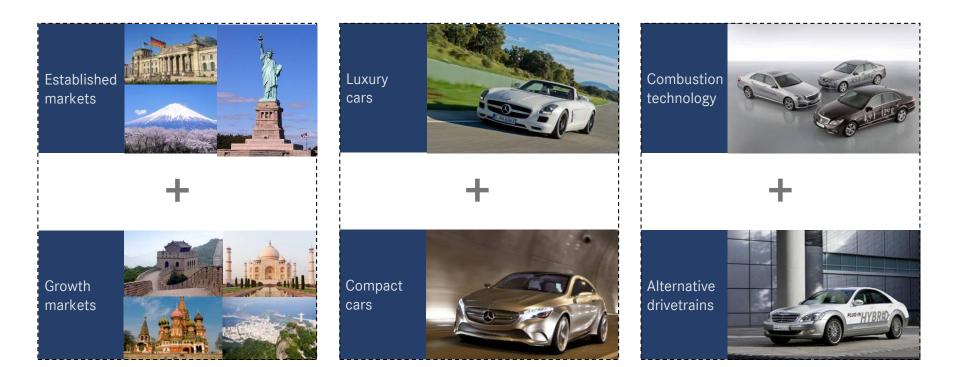
Warranty and good will cost - 60 months in sales



Profit: By 2015 two flexible manufacturing networks will be established



We follow new paths, but not at the expense of old strengths...



...to deliver on our strategic targets

- Sales leadership Milestones: >1.5 in 2014 / >1.6 in 2015
- Technology leadership Milestone: 125 g CO₂ / km fleet average in 2016
- Flexible footprint and productivity improvement Milestone: HPV 30h in 2015
- Capital and cost discipline Milestones: CapEx Ratio ~7% / R&D Ratio ~6%
- Sustainable profitability gain Milestone: 10% RoS on average from 2013 onwards

Appendix



Mercedes-Benz Cars

2 Daimler Trucks

Truck industry offers positive dynamics



Market growth in NAFTA and Japan Challenging market in Brazil Low visibility in Europe

Continuing market volatility



- 3.6% p.a. growth, increasing relevance of BRIC
- Convergence of emission regulations
- 3 TCO increasingly relevant for customers
- Vehicle upgrading "Modern Domestic" becoming biggest segment
- 5) Structural growth of high margin aftersales business

Sustainable industry growth of 3.6% p.a. expected until 2020 across cycles driven by global GDP growth

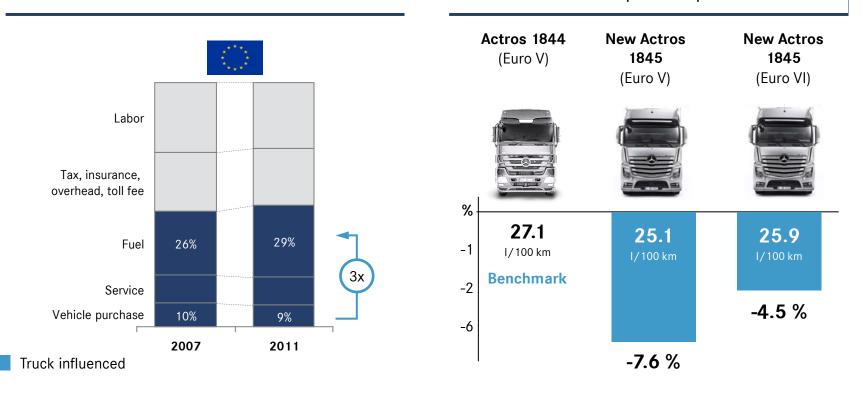


🔜 Rest of World 📃 RIC (Russia, India, China) 🚺 Triad + Brazil

③ TCO increasingly relevant as key driver for customer decisions

Typical operator cost structure (triad)

DT benchmark in fuel efficiency - example Europe -



New global engine generation ensures benchmark position in <u>all</u> regions

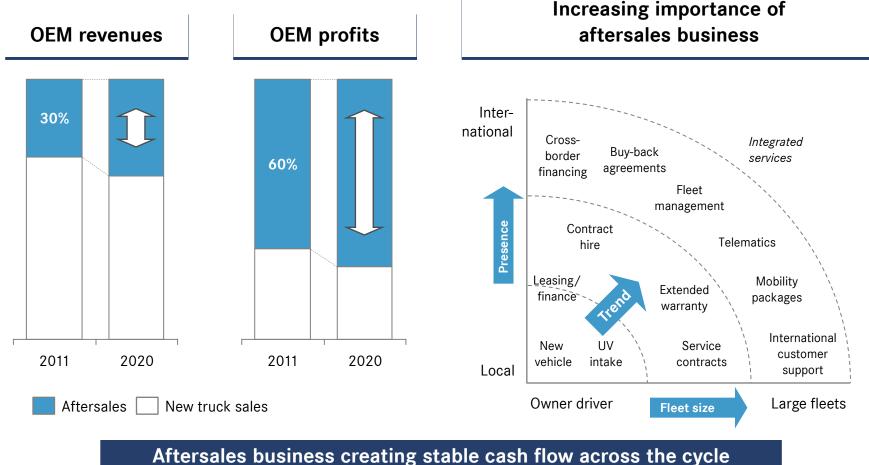
④ Technology dynamics will lead to significant vehicle upgrading

Share of total M/HDT market



Strong DT lineup in "Modern Domestic" to play leading role in RIC Products from DT toolbox localized to RIC needs

Industry profits expected to further shift from vehicle to high margin aftersales business



DT with unique opportunity to link businesses across lifecycle

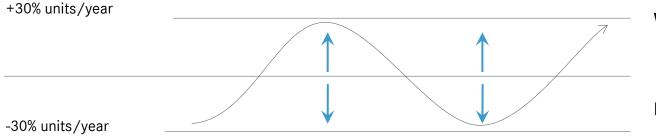
Global Excellence has brought Daimler Trucks to a new level – foundation laid



<u>Flexibility Measures</u>: Strong progress in increasing DT's flexibility in production plants



Wörth, Mount Holly NC, Kawasaki



Workforce flexibility

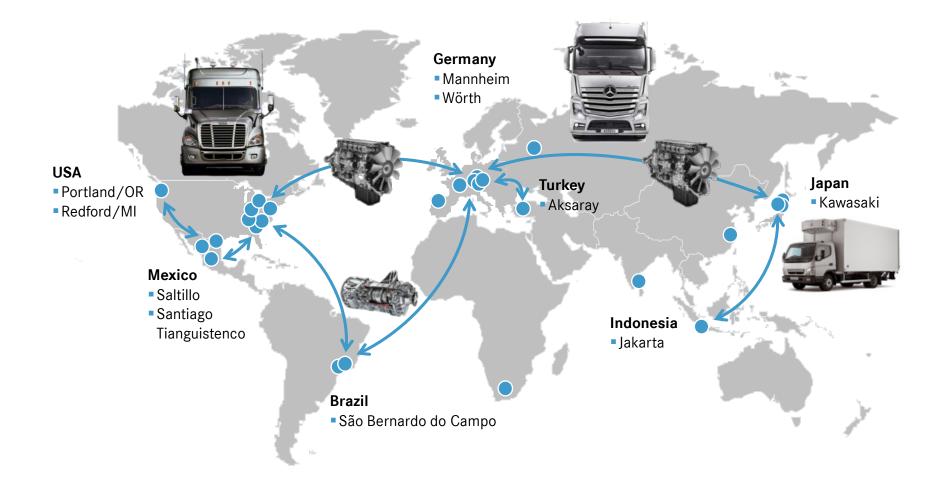
- Flexible working hours
- Flexible shift models

Flexible cycle time

• 430 ↔ 300 units/day

Further flexibility in global production network

Selected facility flexibility across 27 sites



Efficiency programs: New state-of-the-art plants in Mexico and in India



Achievements

- Benefit from regions with low labor costs
- Truck Operating System (TOS): Lean processes and worldwide standards allowed know-how transfer to new plants
- Global sourcing and Lead buying
- Lead/trans concept

Efficiency programs achieved sustainable improvement

Daimler Trucks EU/LA



Daimler Trucks NAFTA



Daimler Trucks Asia



- Top-line push
- Business Model Optimization
- Structural Manufacturing Optimization
- Material and Production Cost Reductions
- Fixed Cost Reduction
- Consolidation of Locations

Targets achieved!

<u>BRIC expansion</u>: Excellent global coverage of Triad and Brazil – RIC coverage implemented in 2012



Production in RIC-states "going live" in 2012



Russia



- Russian Market leader as JV partner
- Daimler is local OEM
- Strong sales performance of Joint Ventures





India

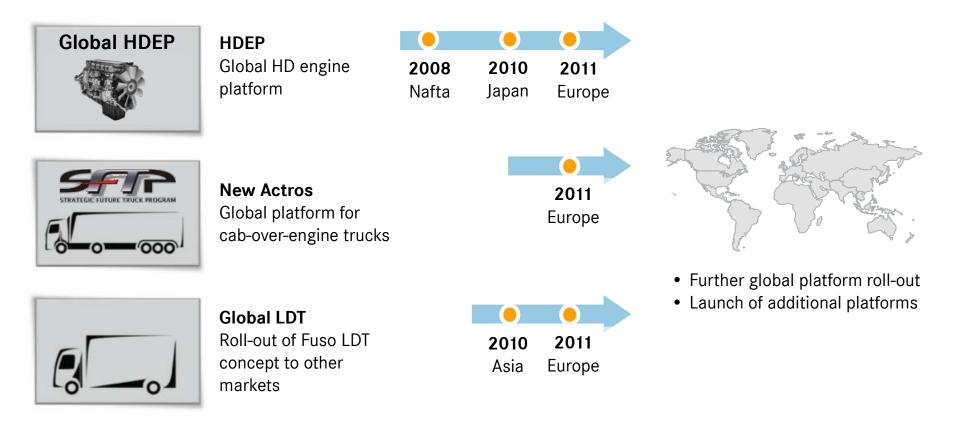
- 3rd biggest CV market
- Production capacity up to over 70,000 units
- Start of production and market launch Q3/12



- Strong entry into Chinese HDT market
- Production capacity of 160,000 units
- Start of Operational Business BFDA in July

Our activities in these countries underscore our goal of balanced growth

<u>Global platform roll-out:</u> Foundations laid to reap benefits of global scale



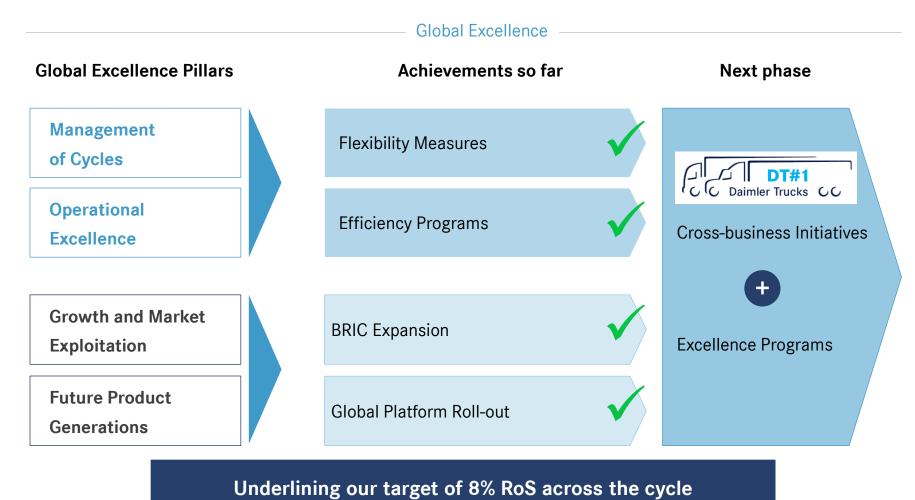
Roll-out of global product platforms has just begun

Best products for our customers and regional operations

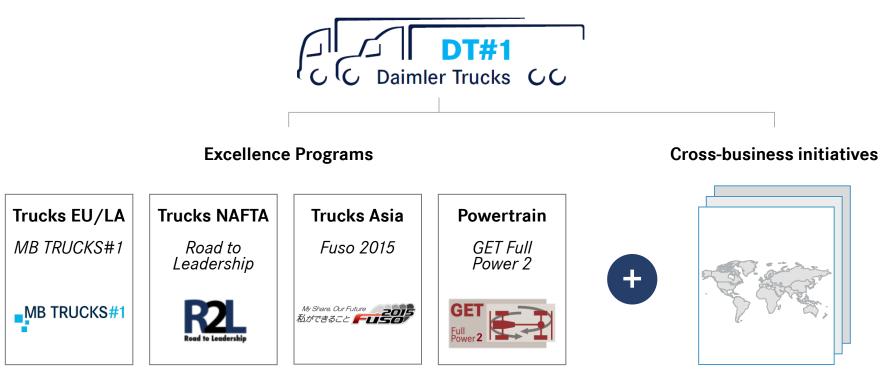


Product offensive to continue over next years

We have defined a clear roadmap for Global Excellence to strengthen our global leadership position: DT#1



DT#1 targets 1.6 bn€ benefits – via Excellence Programs in our operating units and cross-business initiatives



Main topics

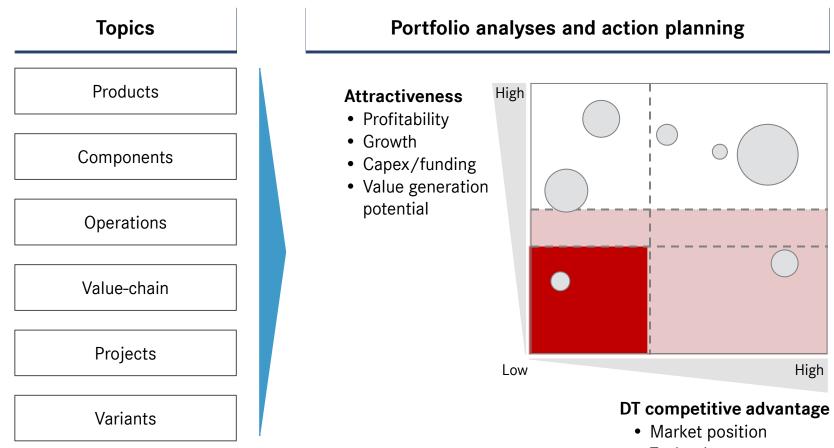
- Sales and aftersales push
- Cost optimization
- Quality push
- People and high performance culture

- Stringent portfolio review
- Integrated Asia business model
- Global scale realization
- Global aftersales

Stringent portfolio review

Daimler Trucks CC

<u>Stringent portfolio review:</u> to optimize our business structure and ensure top performance

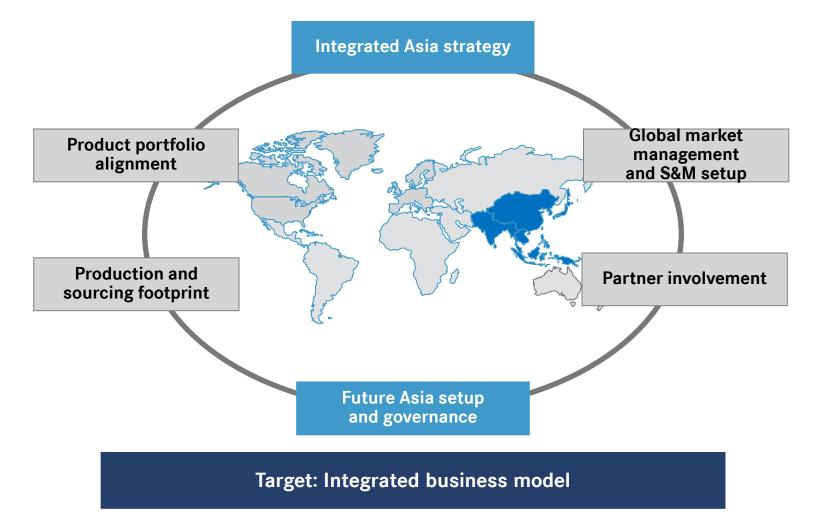


Technology



DT#1 Integrated A

We are working on an integrated Asia business model to significantly improve regional performance



Global scale realization

Global powertrain organization to realize scale effects

Strong product base...



HDEP/MDEG The new global engine platforms



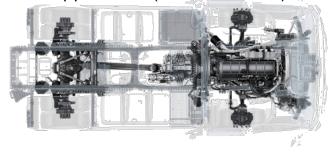
PowerShift Perfect integration for high performance



Common Axle Platform Cutting edge, globally ...and a clear vision

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Integrated Powertrain with global application (Daimler inside)



Off-high-way push

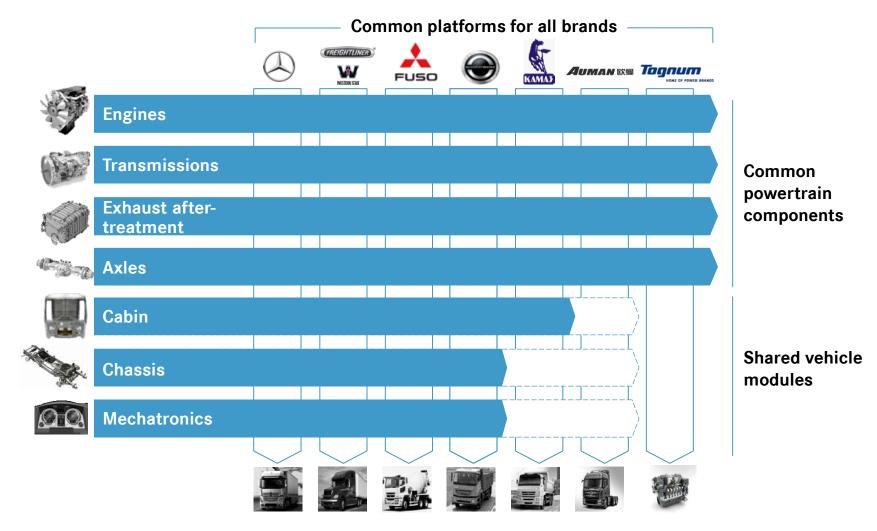


Global scale realization

DT#1

Daimler Trucks C/C

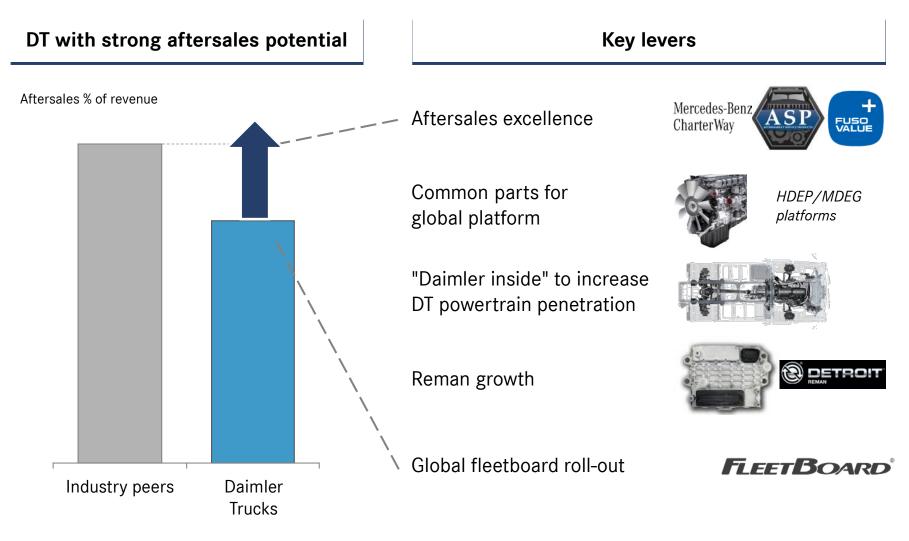
Platform and module strategy to fully leverage commonality for powertrain and vehicles



Global aftersales

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Acceleration of aftersales business to fully tap aftermarket business



Financial Outlook and Targets

Outlook 2012

Higher unit sales expected and EBIT at least at the 2011 level

► Target 2013

Milestone: 8% RoS in 2013 and on average over the cycle afterwards

Sales leadership

Milestones: 500k in 2013 / 700k in 2020

Technology leadership

We offer the best products in terms of TCO and fuel efficiency, globally.

Our vision

No. 1 in the global truck industry and sustainable leadership in profitability. DT#1 targets benefits of 1.6 B€, coming from Sales / After Sales Push, variable / fixed cost reduction and platform/module rollout

Disclaimer

This document contains forward-looking statements that reflect our current views about future events. The words "anticipate," "assume," "believe," "estimate," "expect," "intend," "may," "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 worsening of the sovereign-debt crisis in the eurozone; a deterioration of our funding possibilities on the credit and financial markets; events of force majeure including natural disasters, acts of terrorism, political unrest, industrial accidents and their effects on our sales, purchasing, production or financial services activities; changes in currency exchange rates; a shift in consumer preference towards smaller, lower margin vehicles; or a possible lack of acceptance of our products or services which limits our ability to achieve prices as well as to adequately utilize our production capacities; price increases in 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 of companies in which we hold a significant equity interest, most notably EADS; 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 governmental investigations and the conclusion of pending or threatened future legal proceedings; and other risks and uncertainties, some of which we describe under the heading "Risk Report" in Daimler's most recent Annual Report. If any of these risks and uncertainties materialize, or if the assumptions underlying any of our forward-looking statements prove incorrect, then our 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. Any forward-looking statement speaks only as of the date on which it is made.