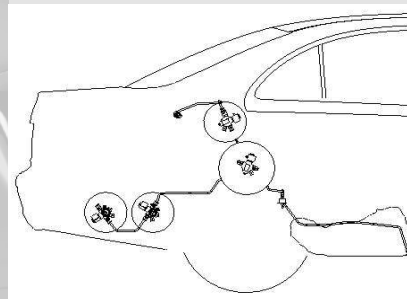




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# DaimlerChrysler Natural Gas Technology

*An efficient way for CO<sub>2</sub> reduction*

## Mercedes-Benz E 200 NGT

**Jürgen Banken**  
Head of Project E 200 NGT



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## CNG is part of DaimlerChrysler's Fuels Roadmap





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## Natural Gas Vehicles



Concept vehicle

- a vast variety of NGVs is available today
  - renown manufacturers
  - mature technology



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## Mercedes-Benz E-Class E 200 NGT

- 4 Cyl. Inline Engine (1.8l)
- Supercharged Power: 120 kW
- CO2 Emission: 168 g/ km in EDC (20%reduction to E200K)
- Bivalent Operation (Natural Gas and Gasoline)
- Range (Natural Gas): 300 km
- Range (Gasoline): 700 km





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## Mercedes-Benz E-Class with Natural Gas Technology

- most powerful passenger car with natural gas drive
- no difference in driving between petrol and natural gas
- world premiere E 200 NGT: Sep. 2003
- sales exceed expectations by far

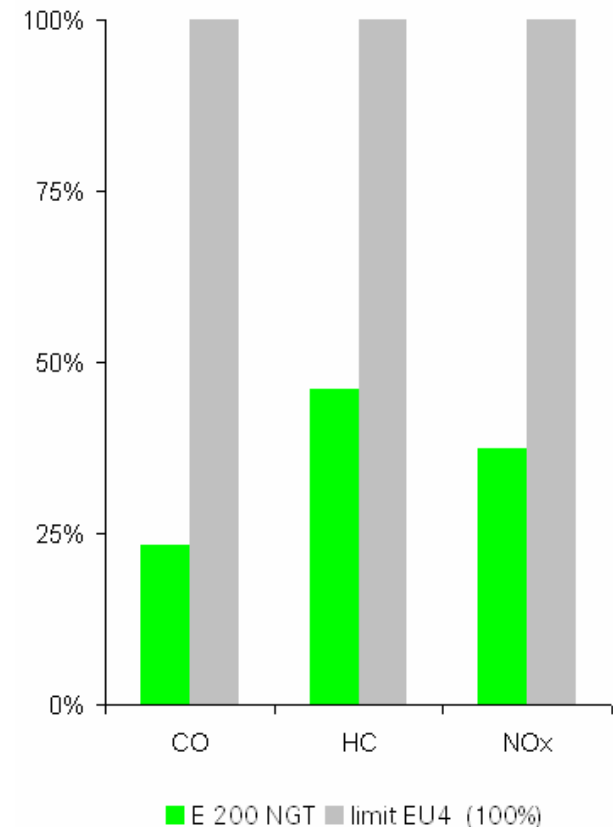


- acknowledged design
- the E-Class ist the safest vehicle in its segment
- New Generation E-Class: available from June 10th 2006 (Europe)



# environmental advantages of Natural Gas Vehicles

- Vehicles running on CNG are known for their overall contribution to cleaner air.
- Natural gas has low carbon monoxide (CO) emissions, emits no particulate matter and has reduced volatile organic compounds (VOC).
- Per unit of energy, natural gas contains less carbon than any other fossil fuel, leading to lower carbon dioxide (CO<sub>2</sub>) emissions.
- In addition no evaporative and refueling emissions occur due to the closed, pressurized system.





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## reasons to buy an NGV

- environmentally friendly
- reduced running costs
  - e.g. distance covered with 10 EUR:
    - 90 km with Petrol (E 200 Kompressor)
    - 140 km with Diesel (E 200 CDI)
    - 210 km with CNG (E 200 NGT),
- reduced vehicle taxes and other benefits
  - e.g. in cities with high pollution
  - e.g. in countries with Natural Gas resources
- companies related to Natural Gas exploration, distribution or sales

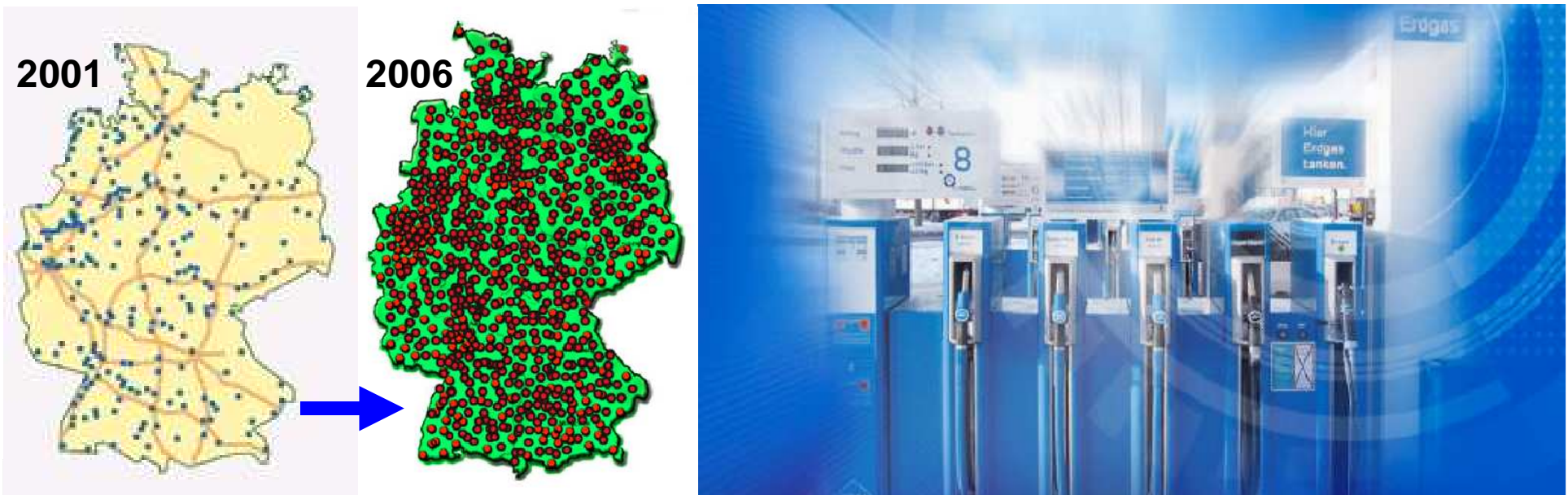




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## filling stations

- The lack of filling stations is one of the crucial points for the wider market implementation of natural gas vehicles. However, during the last years the number of filling stations has grown in all European countries.
- e.g. in Germany the number of CNG filling stations has increased drastically in the in the last years. (2002: 220, 2004: 500, today 650)







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## Natural Gas Vehicles: The Road Ahead !

- environmentally friendly
- politically wanted
- reasonable

**thank you**

