

2nd UIC Sustainability Award

CO₂-free products of Deutsche Bahn



DB Mobility Logistics AG

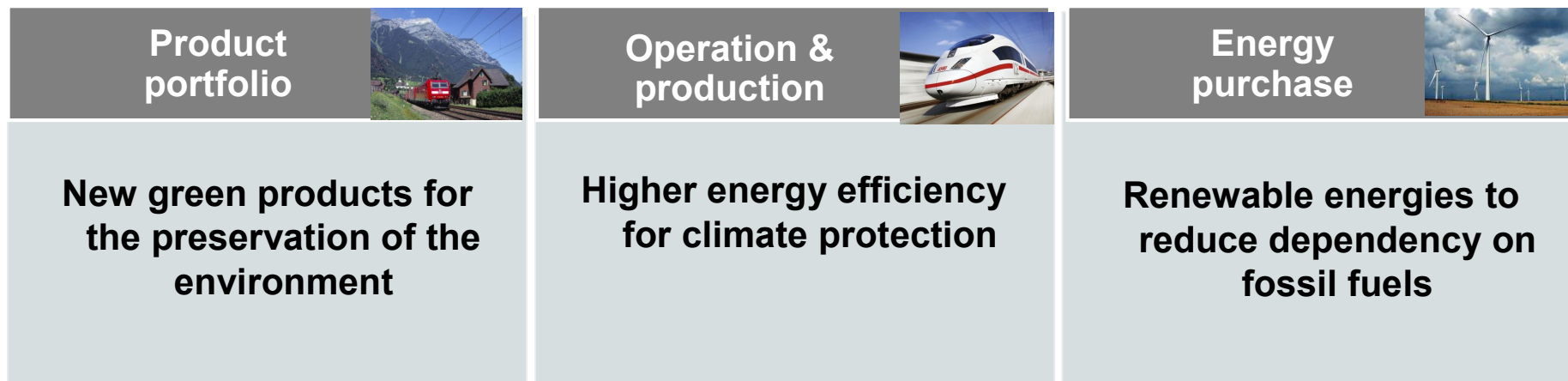
DB Schenker, DB Bahn

Petra Peres, Klaus Vestner

Madrid, 17th of June 2010

DB has a set of integrated climate and energy strategy to achieve climate targets

Climate and energy strategy of DB



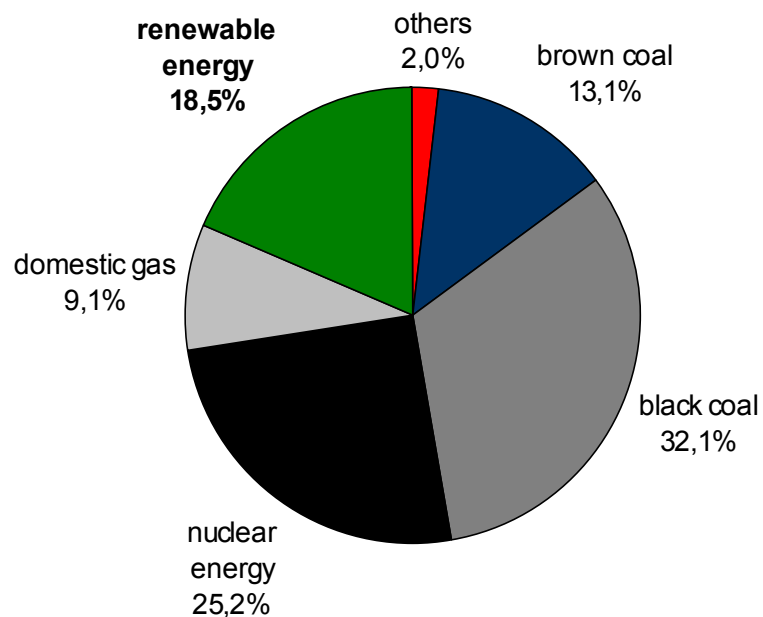
Communication concept



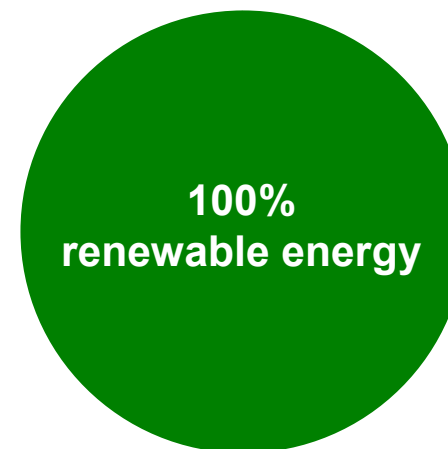
Activities for environmental protection will be consolidated and communicated under the “DB Eco Program”

By using DB's Eco Plus products, carbon emissions will be avoided through the use of 100 percent renewable energies

Energy mix of DB in 2009



Eco Plus source of energy



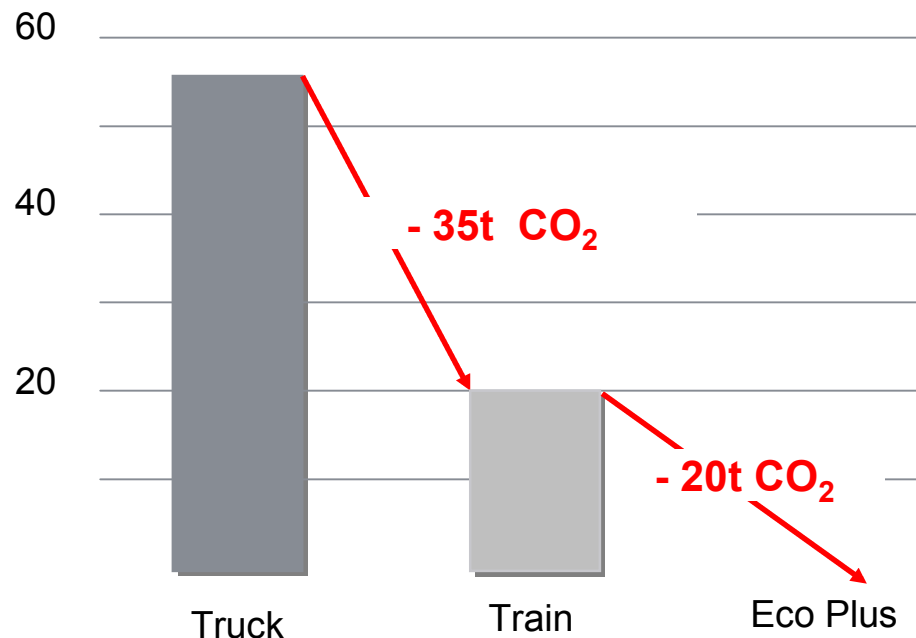
- DB Group has continually increased share of renewable energy – 18,5 percent in 2009
- More than 90 percent of DB's transport performance is delivered via electric traction

- Energy is entirely from regenerative energy resources in Germany – facilities and their production are certified by TÜV SÜD
- Conventional energy is replaced by renewable energy

Eco Plus transforms low-emission rail freight transport into zero-emission rail freight transport

Example: Transport from Hamburg to Munich¹⁾

CO₂ emissions in tons



Eco Plus: CO₂-free rail transports in Germany

- Carbon emissions can be avoided completely
- Using EcoTransIT World²⁾ to survey specific energy consumption and carbon emissions
- The complete product is certified by TÜV SÜD
- DB additionally purchases the amount of the renewable energy required for the transport and feeds it into the energy grid

1) Average CO₂ emissions from the transportation of roughly 1,000 t

2) EcoTransIT World has been developed in co-operation with UIC and other partners

Eco Plus contributes a direct effect for customers and creates a win-win-win situation for customers, DB Schenker and the environment

...and its customers benefits

Eco Plus...



- Existing or new transports can easily be switched to become CO₂-free
- Customers can eliminate all CO₂ emissions generated during transport
- By using DB Schenker's Eco Plus, the production of carbon emissions will be avoided completely
- Eco Plus contributes a **direct effect for customers' climate targets** – TÜV SÜD ensures high credibility
- **No compensation** with simple certificates or carbon offsetting
- **With 10% of the revenues, new production capacities for renewable energies will be financed**

The ultimate in green – bahn.corporate Eco Plus, CO₂-free travel for corporate clients

- **Since April 2009** our business travel sales have promoted the “bahn.corporate Umwelt-Plus (Eco Plus)” for our corporate travel clients
- **In 2009 19 customers** have saved 4,327 tons of CO₂-emissions
- By April 2010, **54 corporate customers** decided for our CO₂-free offer
- More contracts are announced – **we expect savings of 24,000 tons of CO₂-emissions** in 2010

Reference customers:



Business travel
by DB personnel
is CO₂-free, too.



Example for a customer's calculation

- In comparison to your total DB volume, the **additional costs** are only X percent (in **average 1,0 per cent**)
- On your future rail travel, there will be **no CO₂-emissions at all** – thus avoiding any additional compensation payments

Train category	Per-centage	Passenger km	CO ₂ emissions	Power consumption	Additional costs
ICE	93,0%	10,000,000	450,000 kg	700,000 kWh	14,000 EUR
IC/EC	4,7%	500,000	50,000 kg	37,500 kWh	750 EUR
Local transport	2,3%	250,000	25,000 kg	33,500 kWh	670 EUR
Total	100,0%	10,750,000	525,000 kg	771,000 kWh	15,420 EUR



The ultimate in green –
bahn.corporate
Eco Plus.

Get aboard
now ...

Apart from “bahn.corporate Eco Plus” we offer some CO₂-free products for private customers

Examples for further CO₂-free travel offers

- **Events** with CO₂-free travel arrangement



GreenMeetings
Germany



- Travelling with **S-Bahn Hamburg** is completely CO₂-free travelling



- CO₂-free **rail journeys** into **national parks** in Germany (“Fahrtziel-Natur”)



- **School trips** and **journeys** for **youth groups** can be booked CO₂-free



Step by step, “Eco plus“ will also be offered for private customers



Activities for environmental protection are consolidated under the “DB Eco Program“

Discover more DB climate activities on www.dbecoprogram.com

