

VOLKSWAGEN

AKTIENGESELLSCHAFT

**Sustainability
in Production and Products**

Products

The Volkswagen Group currently* offers 256 model variants emitting less than 130 g/km CO₂, of which 136 Volkswagen Group models emit less than 120 g/km CO₂.

The Volkswagen Group has 22 vehicles in its model program emitting less than 100 g/km CO₂.

The Volkswagen Group has brought down the CO₂ emissions of its European new vehicle fleet from 166 grams (2006) to 144 grams (2010) – that corresponds to a reduction of more than 13 percent.

Under the label “Blue Motion Technologies” the Volkswagen Brand offers a great variety of low-emission and fuel-efficient technologies in almost all of Volkswagen’s model lines.

The Volkswagen brand offers the Polo BlueMotion, an ultra-economical five-seater – the Polo BlueMotion only consumes approx. 3.3l/100km and emits 87 g/km CO₂.

The Golf BlueMotion (99 g/km CO₂) is one of the most energy-efficient vehicles in its class, the Passat BlueMotion (109 g/km CO₂) is the most energy-efficient model in its class.

Volkswagen set a milestone on the road to sustainable mobility with the XL1 prototype – the “one-liter car”. With fuel consumption of 0.9 liters per 100km, the XL1 attains a CO₂ emissions value of a mere 24 g/km.

Volkswagen plans to launch the Jetta Hybrid in 2012 for the US market. 2013 will be a very important year for electro-mobility. The up! Blue-e-Motion followed by the Golf Blue-e-Motion will be starting the era of electrified mobility. In addition, key models will be available with plug-in hybrid technology from 2013/2014. A small series of the XL1 is planned for 2013.

* October 2011

Research and Development

Some €6.3 billion were invested in research and development in 2010, corresponding to an increase of almost 50 percent within five years.

In particular activities concerning the electrification of the vehicle portfolio have been intensified; reducing CO₂ emissions played an important role with regard to expanding the model range.

Production

The Volkswagen Group has set itself the target of reducing the greenhouse gas emissions caused by production by 40 percent by 2020. One focus of these efforts is the diversification of power generation and the continuous expansion of power efficiency.

Volkswagen will invest €600 million in the development of renewable energy. The company is directly participating in wind- and water power plants and promotes the further development of renewable energy with diverse partnerships.

57 of the 62 production plants operated by the Volkswagen Group are certified to international environmental management standards such as ISO 14001 and EMAS, 4 production plants are preparing for certification.

Volkswagen has reduced direct CO₂ emissions by 25 percent by resource-optimizing manufacturing processes.