



Renewable energies as an essential factor for the transformation of the transport sector

Mercedes-Benz



Increasing the share of renewable energies plays an essential role in reducing greenhouse gas emissions in the transport sector. Green electricity, i.e. electricity from renewable sources, is an important factor in the life cycle of an electric car to decrease CO₂ emissions.

Mercedes-Benz is committed to climate protection and air pollution control. Renewable energies make a significant contribution to this. In concrete terms, this involves net carbon-neutral* production in the Mercedes-Benz Cars own production plants worldwide and [along the entire value chain](#), as well as net carbon-neutrality* of new vehicles in their use phase.

- **Accelerating the transformation of the energy sector**

The Group is therefore in favour of regulations that accelerate the expansion of renewable energies and enable the electrification of transport with growing shares of green electricity. The expansion of renewable energies must continue to gather pace. Mercedes-Benz therefore welcomes all political activities worldwide that promote the rapid transformation of the energy sector. The regulations must be harmonized across countries and states and accelerated support must be made possible by the federal government, the states or the European Union (EU), e.g. in the form of loans.

- **Commitment to ambitious EU targets**

The EU Emissions Trading Directive - as the basis for the EU Emissions Trading System (ETS) - and the Renewable Energy Directive (RED) play a central role in European climate policy for the decarbonisation and expansion of renewable energies. The amendment of ETS and RED has been completed, both provisions have entered into force. In principle, Mercedes-Benz welcomes the thrust with regard to the expansion of renewable energies (RED) and the CO₂ reduction targets (ETS), because electrification of transport without an increasing share of green electricity would be counterproductive. Mercedes-Benz already produces net carbon-neutral* in its own plants worldwide and purchases electricity in Germany that comes exclusively from renewable sources – sun, wind and hydroelectric power. A green power supply contract ensures the purchase of electricity from renewable energies at all times.

For 2030, the Group has also set itself the goal of covering more than 70% (passenger cars) and 80% (vans) of the energy demand in the own Mercedes-Benz production plants worldwide with renewable energies – including not only electricity, but also gas and district heating. This goal is to be achieved through the expansion of solar and wind energy at the company's own sites and by concluding further corresponding power purchase agreements. The Mercedes-Benz Group is planning to expand and install photovoltaic systems (PV systems) at its locations worldwide. PV systems have already been installed at ten production locations, and PV systems at three additional locations are nearing completion. In addition, potential new locations for PV

systems are continuously being evaluated. Another focus of the Group's energy strategy is expanding the portfolio to include wind energy from onshore and offshore wind farms. In the offshore sector, the Group has concluded a power purchase agreement (PPA) with an energy supplier for the supply of electricity from the Windanker wind farm in the Baltic Sea. This will secure the Mercedes-Benz AG 140 MW of renewable electricity from 2027, covering around 30% of its electricity needs in Germany. In September 2022, the Mercedes-Benz Group began planning to install a wind farm on its test site in Papenburg, northern Germany. In the coming years, around 20 wind turbines with an output of around 120 MW are to be built on the site as part of a PPA with a German energy park developer. This will cover up to 20% of Mercedes-Benz AG's annual electricity needs in Germany.

**Net carbon-neutral means that carbon emissions that are not avoided or reduced at Mercedes-Benz are compensated for by certified offsetting projects.*