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## Media information

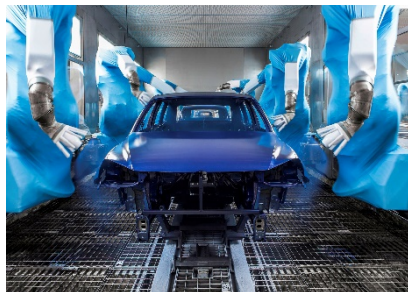
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NO. 20/2020

# 170,000 tons of CO<sub>2</sub> saved: Carbon Fund strengthens climate protection

- Volkswagen Group launched new CO<sub>2</sub> fund in February 2019
- 25 million Euros annually for internal climate protection within the Group
- First projects successfully completed

**Wolfsburg, January 24, 2020** The Volkswagen Group has launched its own Carbon Fund. The CO<sub>2</sub> fund, which is endowed with €25 million annually, is available to all twelve Group brands. They use it to finance their own climate protection projects at their locations worldwide.



**In the paint shop, a load-dependent volume flow control saves electricity and often natural gas and reduces CO<sub>2</sub> emissions**



**More brightness, less energy use and CO<sub>2</sub> at many corporate locations due to LEDs**

The Carbon Fund was launched by the Group in February 2019. The funds are available for projects that save CO<sub>2</sub>, improve energy efficiency or otherwise save energy. In addition, it is aimed at accelerating innovation, strengthening new and existing business models.

For a project to receive support from the 25-million-Euro fund there is an essential factor: It should be scalable and transferable to many of the Group's sites.

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Here are a few examples:

- **"LED Lighting" project:** In nine of the Group's production sites, a total of 33 measures were implemented to switch the lighting of the plant to energy-saving LEDs in certain areas. CO<sub>2</sub> reduction: 116,000 metric tons annually.
- **"Refrigeration supply" project:** In Kassel, existing refrigeration units were and are being replaced by so-called separation circuit systems. To date, over 150 refrigeration units have been replaced. The new separation circuits serve to cool the machines and spindles and considerably reduce energy consumption compared to the previous refrigeration units. In addition, the heat input into the cooling water network is reduced by 23 percent, maintenance and service intervals are longer and less costly. In addition, it has been possible to ensure that in future all new plants will be equipped with separation circuit systems from the outset. In 2019, 13 systems were retrofitted. Total CO<sub>2</sub> reduction: 1,350 metric tons annually.
- **"Various Infrastructure" project:** In this project, new energy efficient pumps with a so-called pump curve optimization were installed. At the same time, building roofs were renovated and a new cabinet cooling system was installed. The project started on July 1 and was completed on December 31, 2019. CO<sub>2</sub> reduction: 2,000 tons annually.
- **"Paint shop and dryer" project:** Volkswagen installed a load-dependent volume flow control system at the Hanover plant. The technology has been tested and can be extended to other sites in the next few years. The load-dependent control system saves around 1,200 tons of CO<sub>2</sub> annually. In addition, further measures were implemented in this project, which will have saved a total of 1,800 tons of CO<sub>2</sub> by the end of the year. CO<sub>2</sub> reduction: 3,000 metric tons annually.
- **"Washing Processes" project:** Industrial washing machines were optimized at several Group locations. A total of around 30 systems were technically retrofitted with so-called frequency converters. In addition, operating parameters such as pressure and volume flow, temperatures and standby times were optimally adjusted. The project started on July 1 and was completed by the end of the year. CO<sub>2</sub> reduction: 2,900 metric tons annually.
- **Project "Other production processes":** Modern temperature regulation technology was installed on three die casting machines. In the die casting process it is important to heat or cool the right areas of the die at the right time. For this purpose, up to 40 heating/cooling circuits run in the moulds. By means of flow and temperature sensors, the new technology can distribute the heat flow so intelligently that enormous energy savings are achieved through internal heat recovery. The project was implemented in the second half of 2019 and was completed by the end of the year. CO<sub>2</sub> reduction: 2,500 metric tons annually.

# VOLKSWAGEN

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In the future the Carbon Fund project will be repeated year after year. For 2020, more than 100 new projects have been decided so far.



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## About the Volkswagen Group:

The Volkswagen Group, with its headquarters in Wolfsburg, is one of the world's leading automobile manufacturers and the largest carmaker in Europe. The Group comprises twelve brands from seven European countries: Volkswagen Passenger Cars, Audi, SEAT, ŠKODA, Bentley, Bugatti, Lamborghini, Porsche, Ducati, Volkswagen Commercial Vehicles, Scania and MAN. The passenger car portfolio ranges from small cars all the way to luxury-class vehicles. Ducati offers motorcycles. In the light and heavy commercial vehicles sector, the products include ranges from pick-ups, buses and heavy trucks. Every weekday, 664,496 employees around the globe produce on average 44,567 vehicles, are involved in vehicle-related services or work in other areas of business. The Volkswagen Group sells its vehicles in 153 countries.

In 2019, the total number of vehicles supplied to customers by the Group globally was 10.8 million (2018: 10.8 million). The passenger car global market share was 12.3 per cent. In Western Europe 22.0 per cent of all new passenger cars come from the Volkswagen Group. Group sales revenue in 2018 totalled €235.8 billion (2017: €231 billion). Earnings after tax in 2017 amounted to €17.1 billion (2017: €11.6 billion).

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