


# Carbon Zero Strategy Roadmap to Carbon Neutrality

At MANN+HUMMEL, Corporate Responsibility is a core element of who we are and what we do. We believe that in order to live our vision of 'Leadership in Filtration' we must contribute to a more overall sustainable future for all. We are fully-committed to implementing our Carbon Zero strategy, which outlines our aim to achieve carbon neutrality along entire value chain by 2050.




## OUR LEVERS TO REACH CARBON NEUTRALITY




**ENERGY EFFICIENCY**

We strive to comply with the state of the art in terms of energy efficiency in our production technologies and facility equipment.



**RENEWABLE ENERGY**

We strive to use renewable energy at our sites. By using 100% renewable electrical energy we will be able to reduce our production-related GHG emissions by approx. 80% from 2022 on.



**SUSTAINABLE SUPPLY CHAIN**

We strive for supplies with a low carbon footprint by requesting focus on energy efficiency, secondary materials and renewable energy.



**SUSTAINABLE PRODUCTS**

We strive for products with a low carbon footprint by using secondary materials (focus on steel, aluminum, resin and plastic parts), low energy demands, long product lifetime and a high recycling rate at the end of life.

## THE 5-STEP PROCESS TO REALIZE OUR STRATEGY

**1 MONITOR AND ANALYZE DATA**

- on shopfloor level by daily / monthly energy data
- on plant / regional / global level by monthly Energy Efficiency KPIs
- on corporate level for indirect GHG emissions e.g. caused by supplies and logistics by annual evaluations

**2 SET LONG-TERM AND SHORT-TERM TARGETS**

regarding Energy Efficiency and Carbon Footprint for

- all production sites
- all Business Units
- the total MANN+HUMMEL Group
- CO<sub>2</sub>-Hotspots in the supply chain

**3 IMPROVE ENERGY EFFICIENCY AND CARBON FOOTPRINT**

by realizing programs in

- all relevant global business functions e.g. R&D, Purchasing, Production Lead Teams, Logistics, Real Estate
- all production sites and Business Units
- the supply chain

**4 COMPENSATE UNAVOIDABLE REMAINING GHG EMISSIONS**

by certified

- renewable energy attribute certificates (EAC) for Scope 2 emissions (Electricity) from 2022 on
- carbon credits for Scope 1 emissions (e.g. natural gas, LPG, fuel) from 2030 on

**5 DISCLOSE TARGETS, MEASURES AND RESULTS**

by communication with internal and external interested parties via

- Sustainability Reports
- ESG / CSR Ratings like CDP, Ecovadis, Drive Sustainability