

SUSTAINABILITY BMW iX3 50 xDRIVE. SELECTED FACTS & FIGURES.

BMW GROUP'S NET ZERO TARGET BY 2050.



2019

BASE YEAR: 150 Mt CO₂e.

2030

NEAR TERM TARGET: 109 Mt CO₂e

Science-based target to follow a 'well below 2 degrees' path + aiming to reduce our carbon footprint by at least 40 Mt CO₂e by 2030.

2050

SUPPLY CHAIN.



- > CO₂e emissions: BMW iX3 50 xDrive 13,4 t CO₂e (-35% CO₂e due to measures).
- > 1/3 overall Secondary Raw Material Quota.
- > Key Measures: Renewable energy sources, secondary raw material, process innovation and optimization.

PARTS AND COMPONENTS.



- > Battery Cells: -42% CO₂e per Watt-hour – compared to predecessor.
- > Aluminum: Wheel Carriers (80% SRQ), Aluminum Rims (70% SRQ).
- > Engine Cover and Storage Compartment (30% SRQ) – recycled maritime plastics.

CIRCULARITY.



- > Design for Circularity Principles: Secondary First, Material Concepts, Disassembly Optimization.
- > Econeer Upholstery: Monomaterial Concept (textile, glue and fleece), base material 100% SRQ for the yarn using recycled PET, optimized dismantling of upholstery.

PRODUCTION – DEBRECEN.



- > 0,1 Tons CO₂e per BMW iX3 (-2/3) CO₂e reduction compared to established BMW plants.

LIFE CYCLE.



- > Break-Event Point Life Cycle CO₂e compared to a comparable ICE Model: Use of renewable Energy: 17.500 km; European Electricity Mix: 21.500 km. Customer can achieve the break-even point within the first year.
- > After 200.000 km:
BMW ICE Model 52,8 t CO₂e,
BMW iX3 50 xDrive 23,0 t CO₂e / -56% (EU electricity mix), 14,6 t CO₂e / -72% (renewable electricity).