



SALES FORECAST FOR FULLY ELECTRIC VEHICLES. 10 million BEVs over the next ten years > 300,000 BEVs by 2021 Min. 50% M_oDI 270E of all BMW Group vehicles will be fully electric by 2030 The launch of our Neue Klasse is expected to boost BEV sales significantly.

-50 % CO₂ FROM PRODUCT UTILISATION BY 2030 – -40 % CO₂ ACROSS THE VEHICLE LIFECYCLE. 2020 Min. -33% Lifecycle **Use Phase** Supply chain Production -80% -20% CO₂ per car 2030 vs. 2019 CO₂ per car 2030 vs. 2019 CO₂ per car 2030 vs. 2019 BEV ramp-up affects the carbon footprint of product utilisation. By 2030, we will cut CO_2 emissions from product utilisation by at least 50%. Use Phase is the biggest contributor to the BMW Group's global C02 footprint, accounting for more than 70%. So, CO2 emissions per car across the lifecycle will fall by at least 40% by 2030.

EU CO₂ TARGETS AND BMW GROUP CO₂ TARGETS WORLDWIDE COMPARED.

BMW Group's target

-50%

CO₂ per car 2030 vs. 2019 from product utilisation

The BMW Group will cut CO_2 emissions per car by 50% by 2030.

But Fit for 55 is demanding -55% CO_2 by 2030. How do the two fit together?

Fit for 55

-55%

CO₂ per car 2030 vs. 2021

from product utilisation

EU CO₂ TARGETS AND BMW GROUP CO₂ TARGETS WORLDWIDE COMPARED.

EU Green Deal

(EU aims to be climate neutral by 2050)

	Reference period	Applicability	Target
EU Green Deal / Fit for 55	1990 - 2030	EU, all sectors	- 55% CO ₂
Fit for 55 proposal for passenger cars	2021 - 2030	EU, transport sector only, Use Phase	- 55% CO ₂ (tank-to-wheel)
BMW Group targets	2019 – 2030	Use Phase worldwide, defined by SBTi (WLTP + 10%)	- 50% CO ₂ (well-to-wheel)

ACEA voluntary commitment 2008 🗸

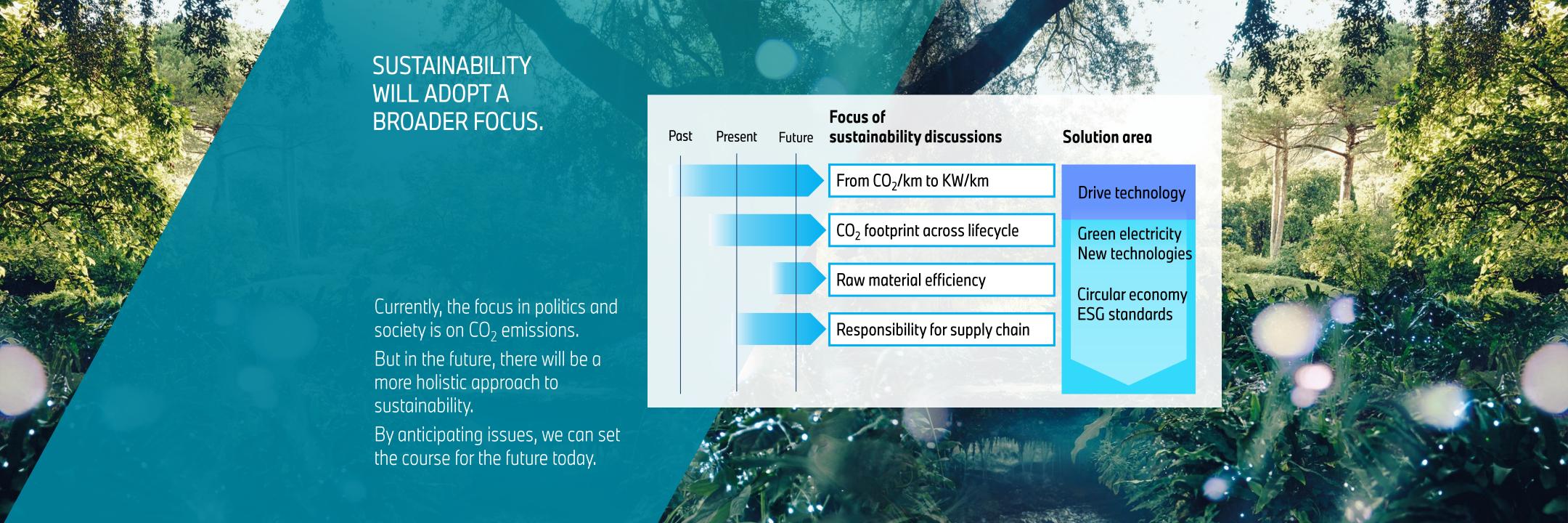
EU fleet emissions 2020

EU fleet emissions 2021

Fit for 55

✓ Over-fulfilled

✓ On track





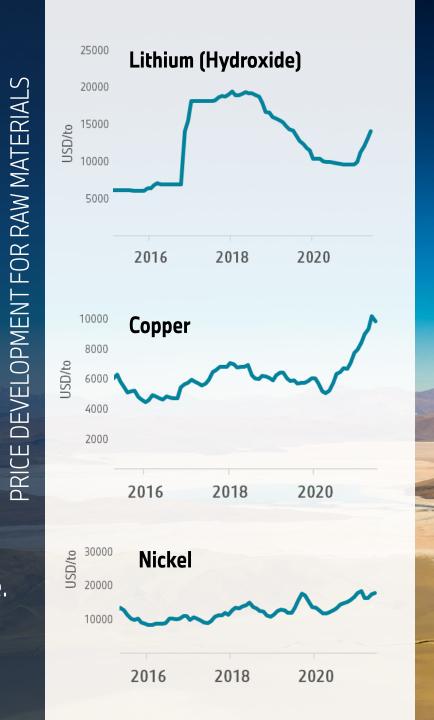
EFFICIENT USE OF PRIMARY RAW MATERIALS.



The extraction of raw materials almost always impacts habitats.

Many raw materials for electromobility especially are finite, so prices are rising.

Processing primary raw materials is often highly energy- and CO_2 -intensive. Reducing the share of primary raw materials we use will make us environmentally more sustainable and commercially more viable.





GRADUALLY INCREASING THE SHARE OF SECONDARY MATERIALS TO 50%.

Share of secondary materials **today**

< 30%

on average per car The quality, security and reliability of materials must be guaranteed.

Availability of materials in the market must increase significantly.

Cross-industry approaches and political initiatives are needed.

The BMW Group is driving this these development.

Share of secondary materials will increase to

50%

on average per car

CIRCULAR ECONOMY.



Resource efficiency

Product cycle

Material cycle

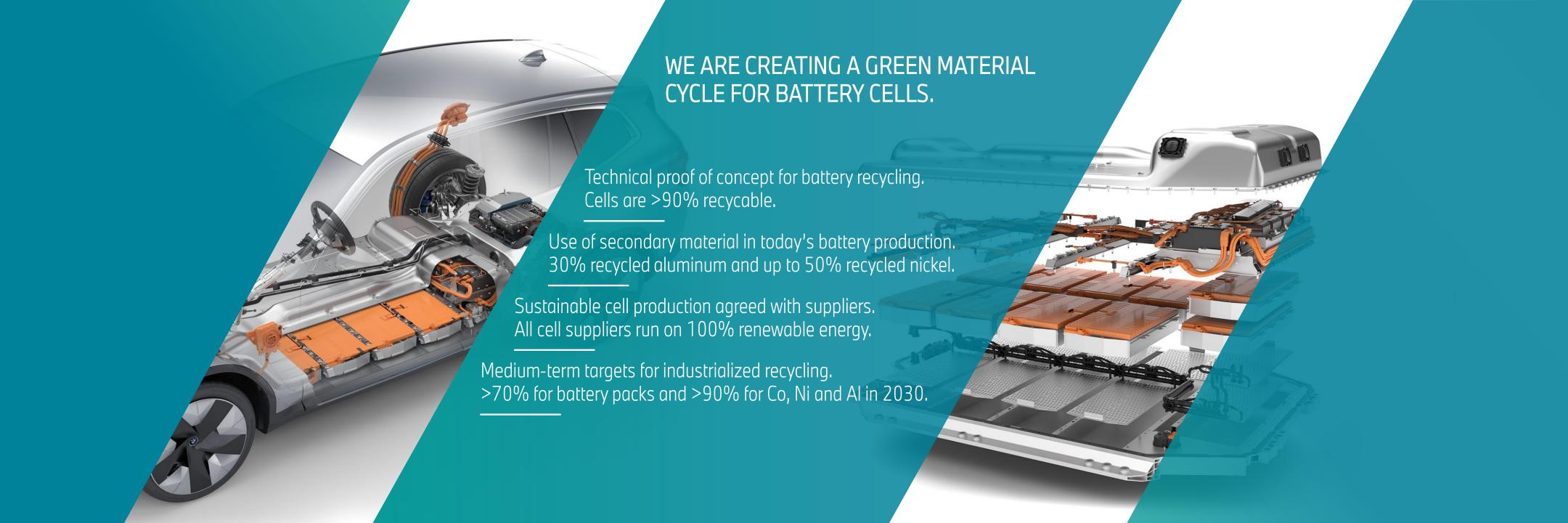


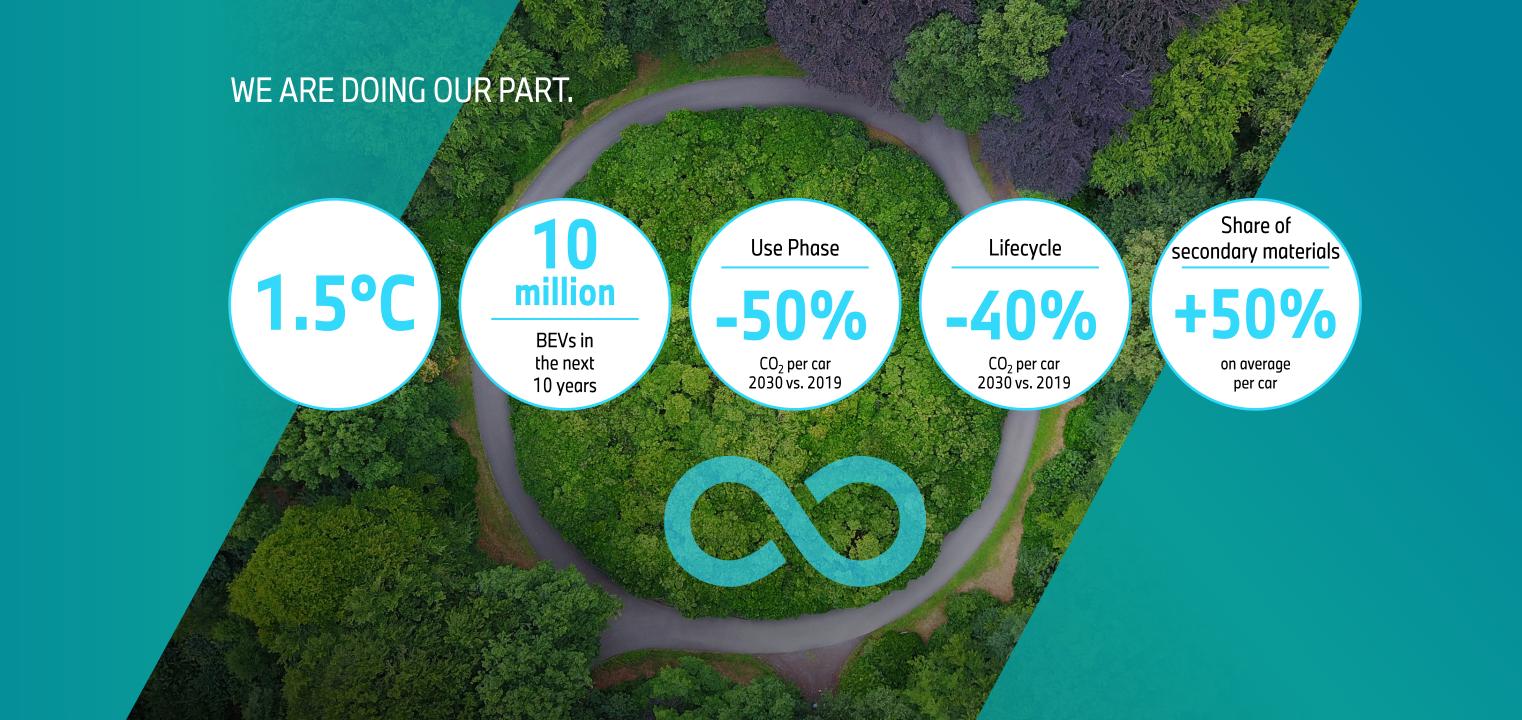
The circular economy is the ideal, most sustainable form of economy.

We are working to accelerate the advance towards a circular economy.

Source: Fraunhofer-Institut für Werkzeugmaschinen und Umformtechnik IWU







RE:IMAGINE TODAY









ROLLS-ROYCE