

Let's Go for Zero

the ambitions behind being a Sustainability Champion

Safety

Wellbeing

Sustainable supply

Net Zero **GHG** emissions by 2035

Let's go for zero

Zero harm inequality

Zero

Gender parity Diversity in management Pay equality

Net Zero GHG key element in Umicore's Climate Action Plan



Managing climate's impact on Umicore

Climate-related physical risks
Climate-related transition risks



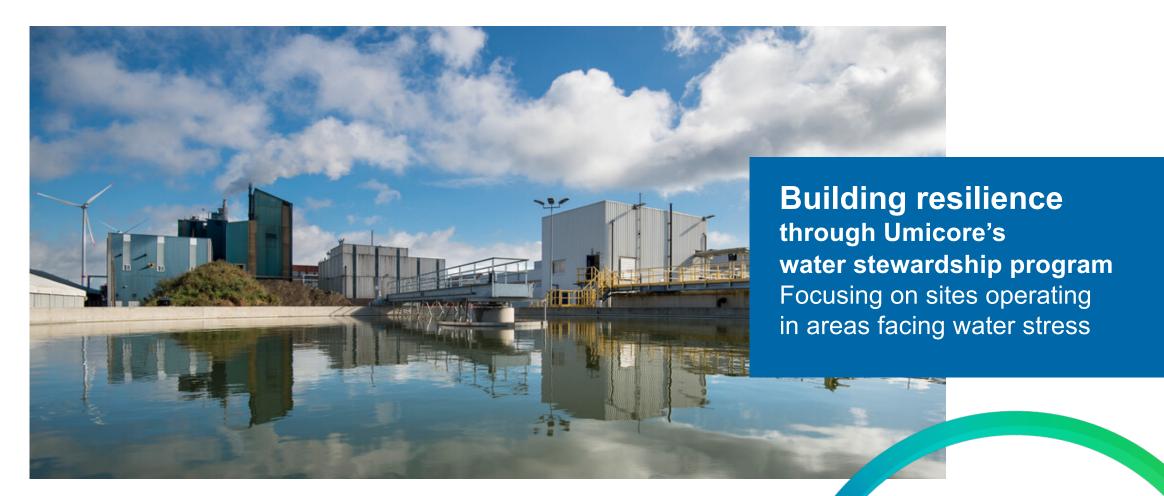
Managing Umicore's impact on climate

Scope 1, 2 and 3 GHG emissions



Managing climate's impact on Umicore

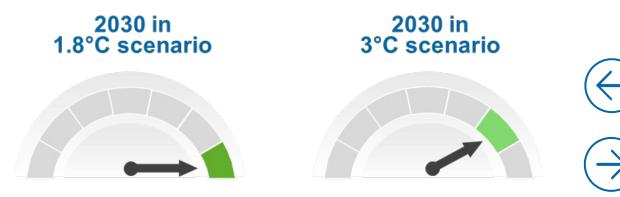






Uniquely positioned to maximize opportunities in the transition to a low-carbon economy





Business impact by climate scenario*

Driving the transition

to a low carbon society through our products & services

Driving decarbonization

of our value chain through how we do business

Delivering the most sustainable solutions

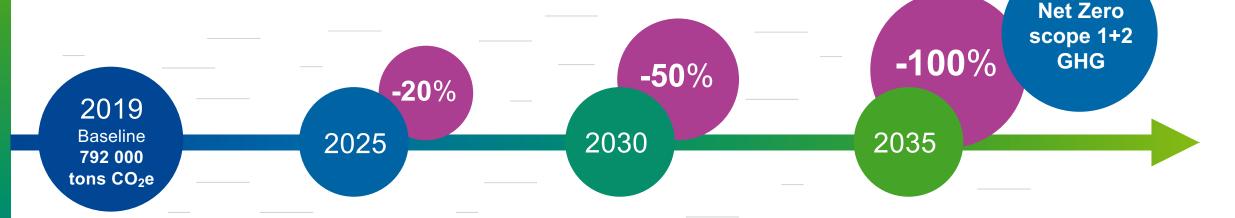


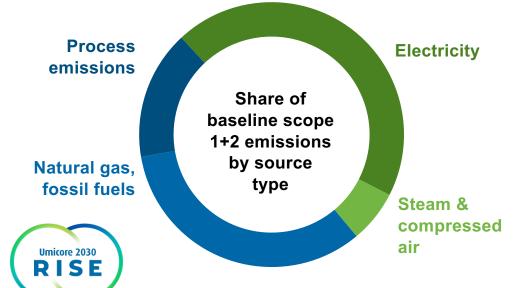


^{*} assessment based on Umicore 2021 activity levels by NAICS code modelled in the IEA's climate-based scenarios to 2030

Minimizing Umicore's impact on climate Net Zero Scope 1&2 GHG emissions by 2035











Leveraging operational excellence & innovation To reach our decarbonization goals





Global goal, Local action plans



Digitalization & Industry 4.0



Defining an internal carbon price

















Defining the pathway to net zero





AVOID emissions



Energy efficiency



Heat efficiency



Process innovation



Carbon neutral growth





Defining the pathway to net zero





REPLACE

emission sources



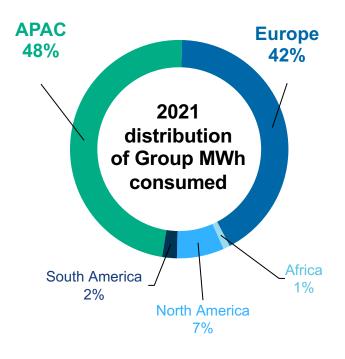
Bio-based Fuels



Renewable electricity on site



Green Power Purchase Agreements



Regional priorities reflect most material sites & projected activity growth

Europe

Expected 30%

total renewable electricity

by end of 2022

Asia Pacific

Low visibility of PPA market Illiquid markets for RECs

Aim for **40**%

renewable electricity

by 2025

100% Renewable electricity sourced in Europe by 2025



Defining the pathway to net zero





CAPTURE remaining emissions



GHG capture & utilization



Carbon capture & storage

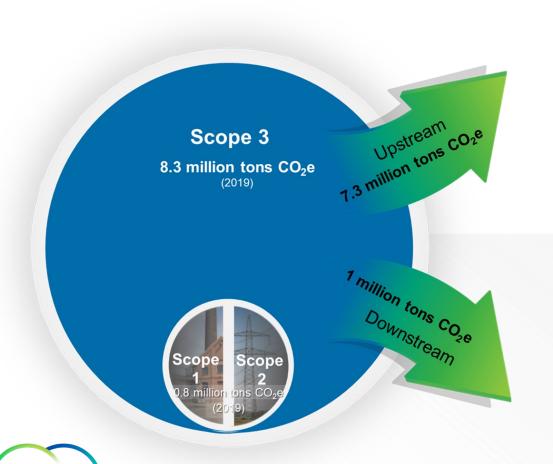


Strategic partnerships

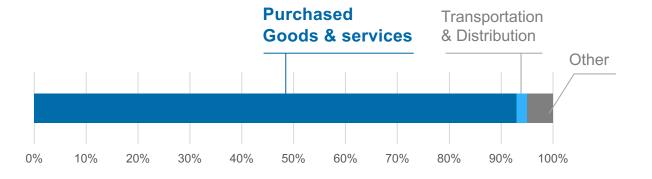


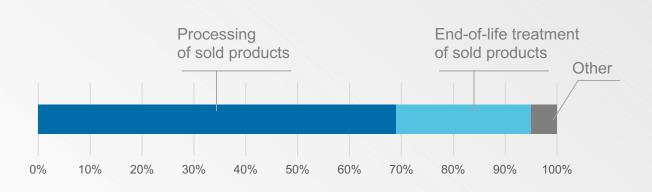
Managing carbon in the value chain Overview of the Umicore Scope 3 footprint





Umicore 2030

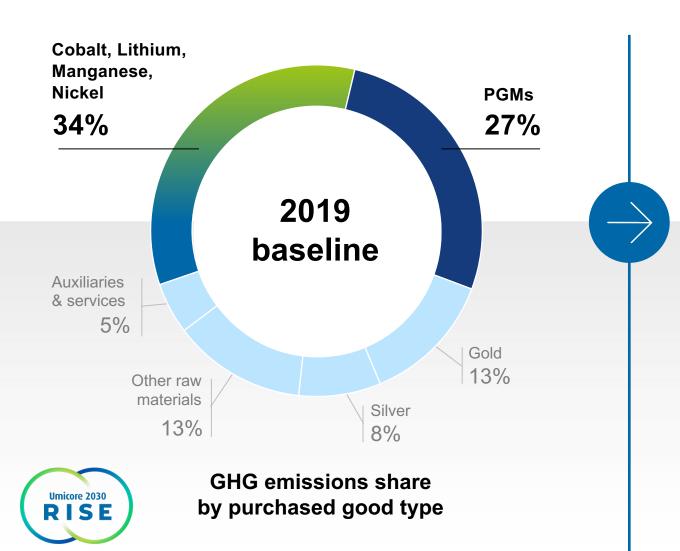


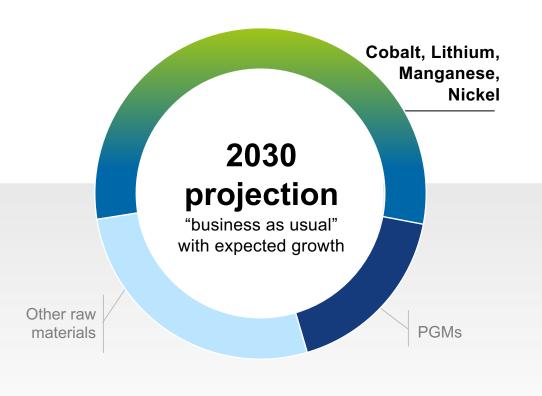


Excluding: use of sold products, downstram leased assets, franchises and investments

Prioritizing supply streams to deliver low-carbon battery & catalyst materials





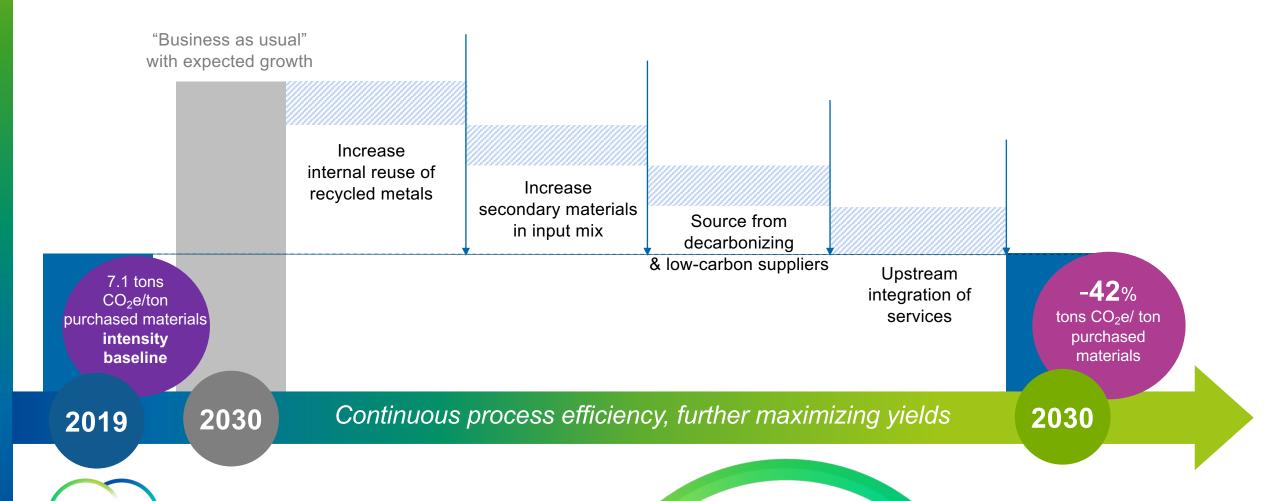


GHG emissions share by purchased good type

Leveraging our raw materials approach to drive decarbonization in the value chain

Umicore 2030





Umicore combines technological know-how, performance as sustainability champion, unique position and business model to deliver



9.7 million tons

1.8 million tons

2.8 million tons



of GHG emissions avoided through Umicore's emobility products in 2021 of GHG emissions avoided through Umicore's material input mix & recycling in 2021

of avoided NOx emissions from Umicore's clean air technologies in 2021



materials for a better life