

WELL BELOW
2°C

To limit global warming to well below 2°C and as close as possible to 1.5°C, the world must reach net-zero CO₂ emissions by mid-century.

NET-ZERO CO₂
BY MID-CENTURY

THE BIGGEST CHALLENGE IN MEETING THE PARIS AGREEMENT LIES IN THE MAJOR HARDER-TO-ABATE SECTORS

HEAVY INDUSTRY



CEMENT



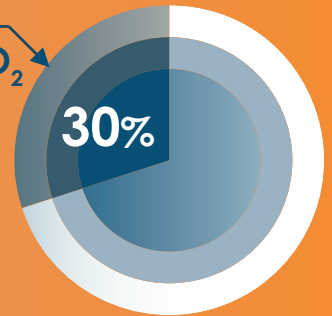
STEEL



PLASTICS

10GtCO₂

of total annual carbon emissions from energy and industry...



HEAVY-DUTY TRANSPORT



HEAVY ROAD TRANSPORT



SHIPPING



AVIATION

...and their share of remaining emissions will grow as other sectors, like power, buildings and light-duty transport get decarbonized.

REACHING NET-ZERO CO₂ EMISSIONS FROM HARDER-TO-ABATE SECTORS BY MID-CENTURY IS POSSIBLE

TECHNICALLY



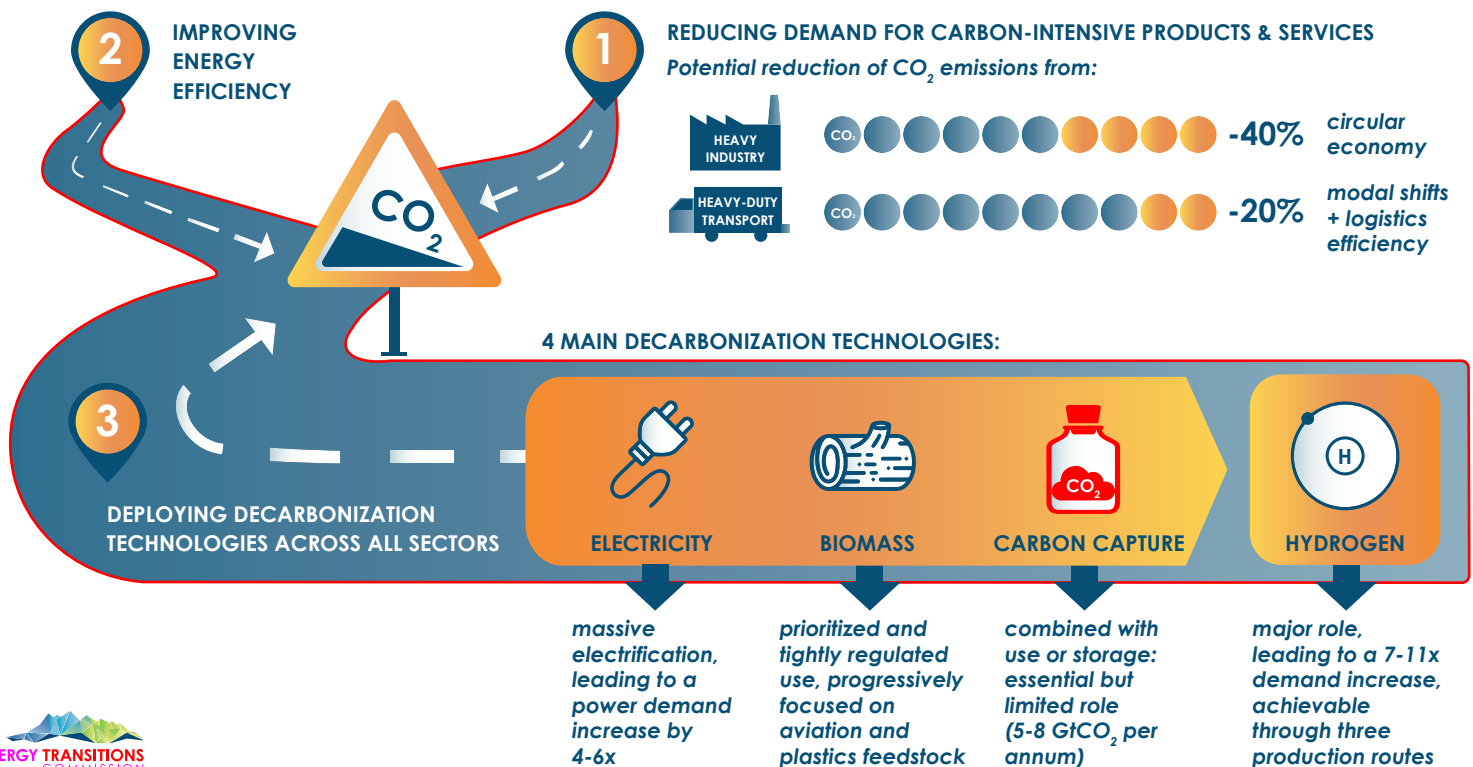
Technologies are commercially ready or at research phase.

ECONOMICALLY



It will cost less than 0.5% of global GDP.

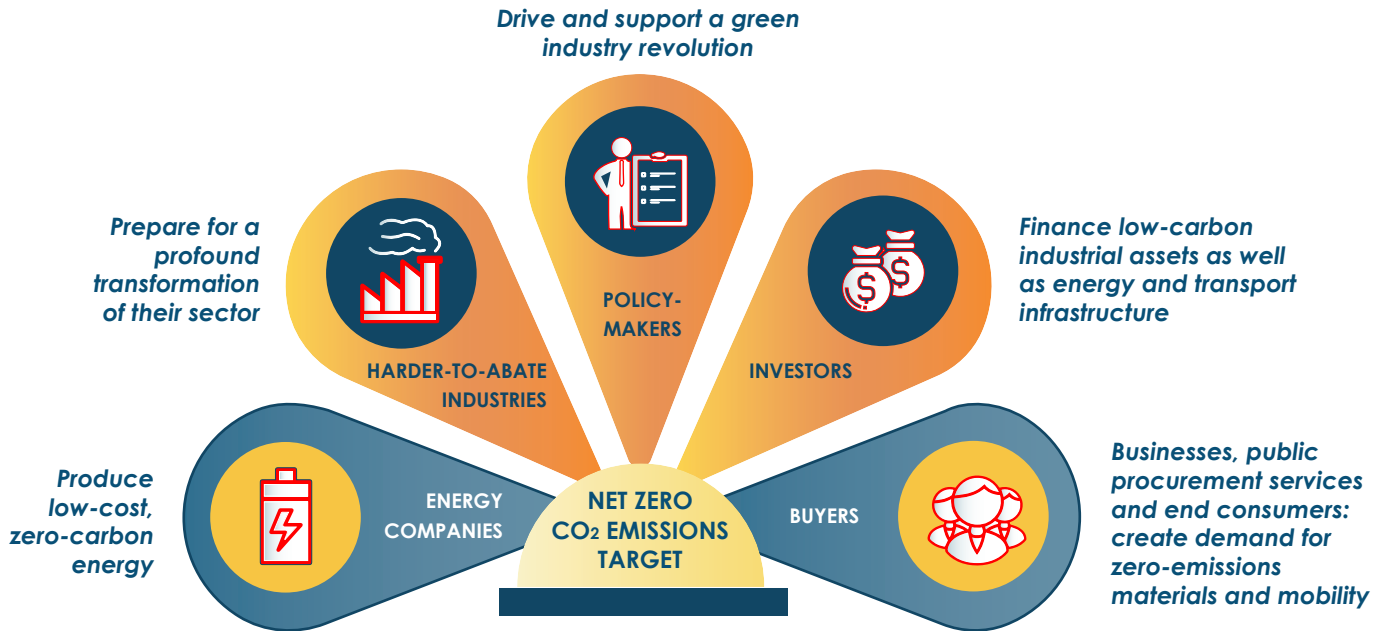
THERE ARE THREE MAIN ROUTES TO DECARBONIZATION



WINNING THE CLIMATE WAR

With immediate collective action, reaching net-zero CO₂ emissions from harder-to-abate sectors of the economy – in heavy industry and heavy-duty transport – is technically and economically feasible.

OUR RESPECTIVE RESPONSIBILITIES



CHANGE DRIVER	WHO	WHAT
1 SET AMBITIOUS CARBON-INTENSITY TARGETS		Enforce tight carbon-intensity mandates on industrial processes, heavy-duty transport and the carbon content of consumer products.
2 PUT A PRICE ON CARBON		Pursue international agreements while setting prices which are differentiated by sector, domestic, downstream & defined in advance.
3 SHIFT FROM A LINEAR TO A CIRCULAR ECONOMY		Increase collaboration across the value chain to improve materials efficiency and recycling, supported by tight regulation.
4 INVEST IN GREEN INDUSTRY		Invest in and support R&D projects and commercial deployment of decarbonization technologies for harder-to-abate sectors.
5 CREATE DEMAND FOR GREEN PRODUCTS AND SERVICES		Make voluntary commitments to “green purchasing” of e.g. trucks, flights, industrial components, building materials.
6 DRIVE DOWN THE COST OF RENEWABLE ENERGY		Drive down the cost and ramp up production of zero-carbon power, zero-carbon hydrogen and truly sustainable bioenergy.