

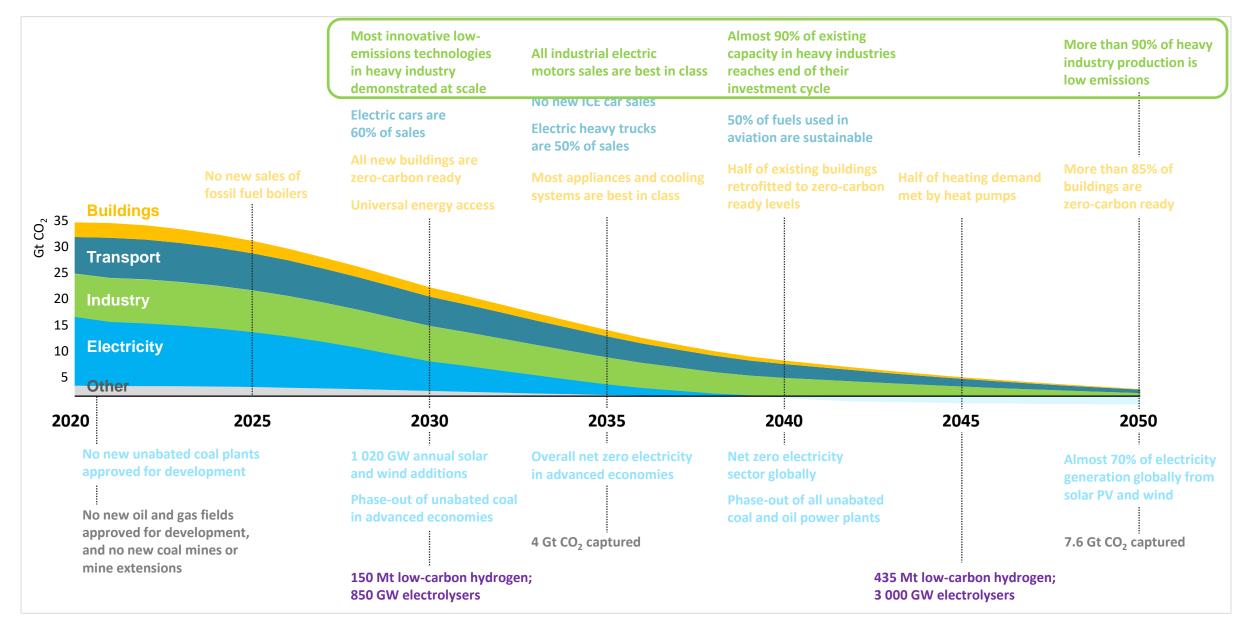
Net Zero by 2050: a Roadmap for the Global Energy Sector The role of industry

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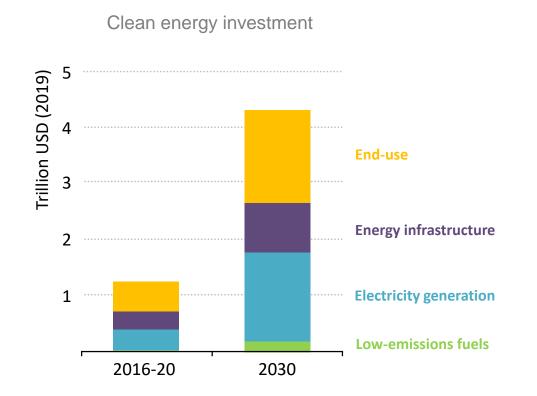
Net Zero by 2050: a Roadmap for the Global Energy Sector



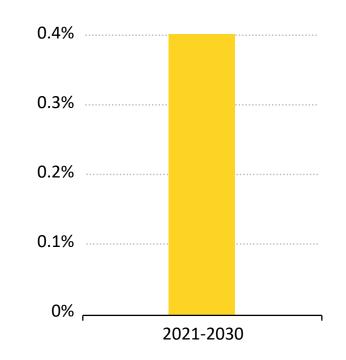


Drive a historic surge in clean energy investment





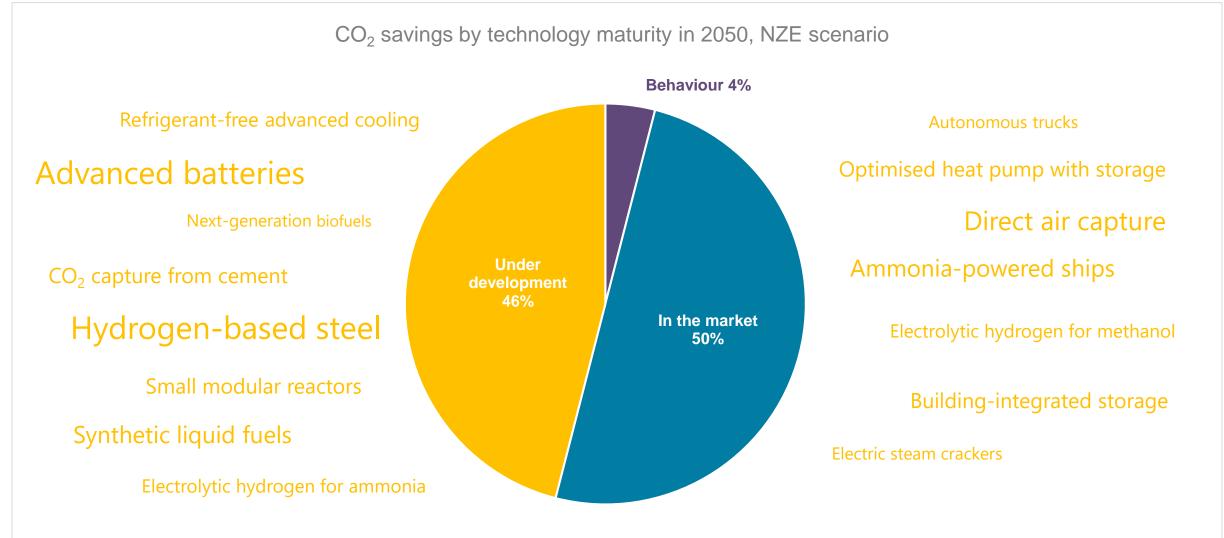




Annual clean energy investment more than triples by 2030 in the NZE scenario, driving an average 0.4% per year increase in global GDP to 2030 & speeding the recovery from the COVID-19 shock

Prepare for the next phase of the transition by boosting innovation

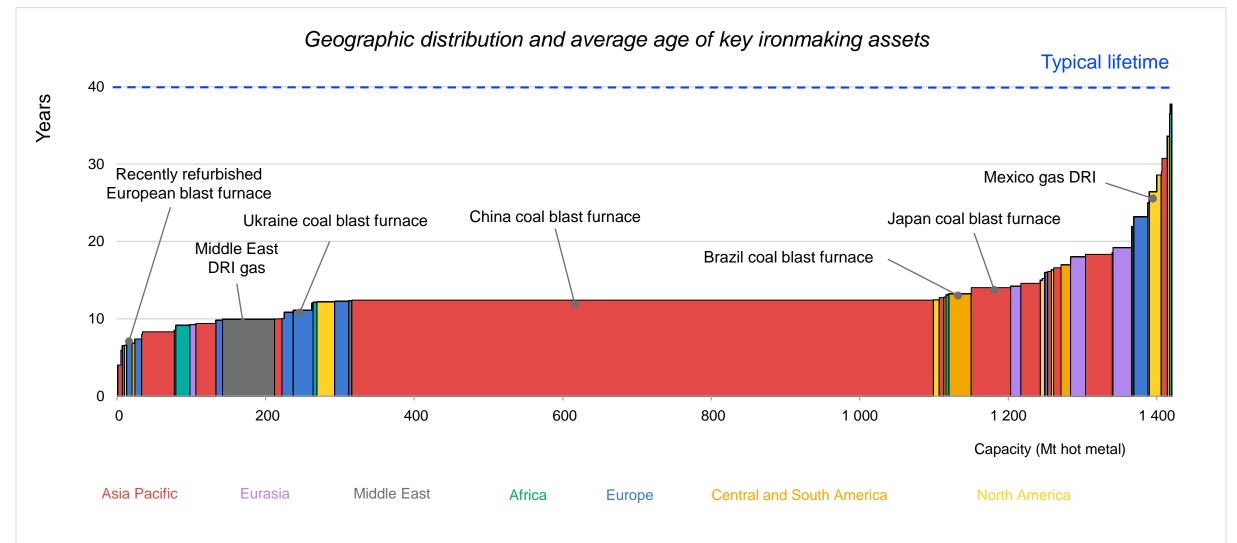




Unlocking the next generation of low-carbon technologies requires more clean energy R&D and \$90 billion in demonstrations by 2030; without greater international co-operation, global CO₂ will not fall to net-zero by 2050.

Where do we start in industry? Look into existing assets



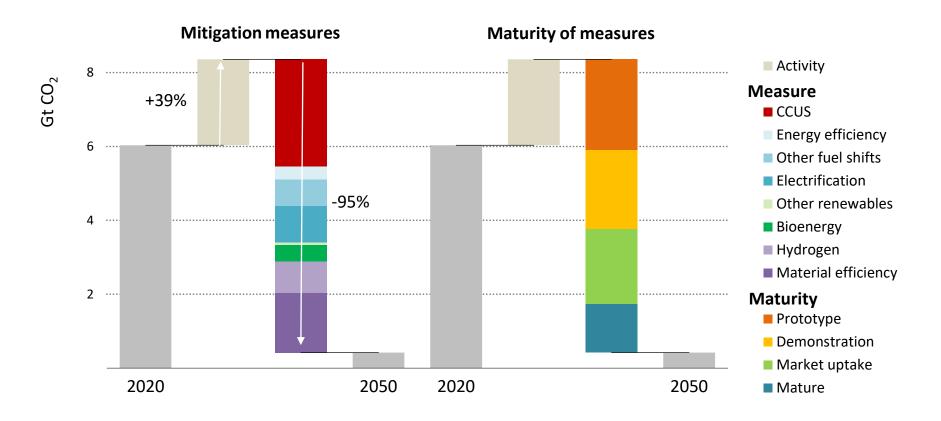


Around 60% of the existing stock of ironmaking equipment is based in China. The current stock is quite young, with a global average age of 13 to 14 years for blast furnaces and DRI furnaces.

Addressing CO₂ emissions from heavy industry



Global CO₂ emissions in heavy industry and reductions by mitigation measure and technology maturity category in the NZE



An array of measures reduces emissions in heavy industry, with innovative technologies like CCUS and hydrogen playing a critical role

