

NET ZERO BY 2050: A ROADMAP FOR THE GLOBAL ENERGY SECTOR

A special report by the International Energy Agency

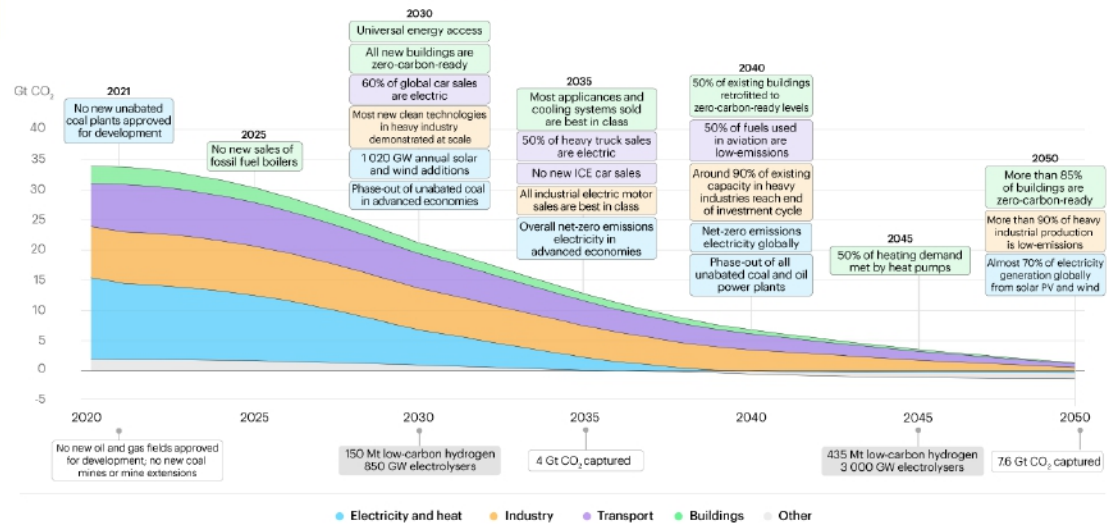


REACHING NET-ZERO EMISSIONS GLOBALLY BY 2050 IS A CRITICAL & FORMIDABLE GOAL

The energy sector is the source of around three-quarters of greenhouse gas emissions today and holds the key to averting the worst effects of climate change, perhaps the greatest challenge humankind has faced.

Our Roadmap to Net-Zero Emissions by 2050 maps out an extremely ambitious transformation of the global energy system. The pathway is narrow but achievable and it would bring major benefits for human prosperity and well being, providing an opportunity to limit global warming to 1.5°C.

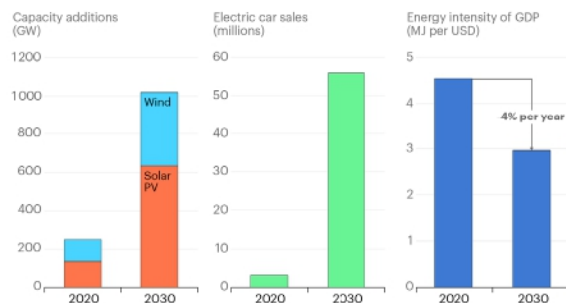
Key milestones in IEA's Net-Zero Emissions by 2050 Scenario



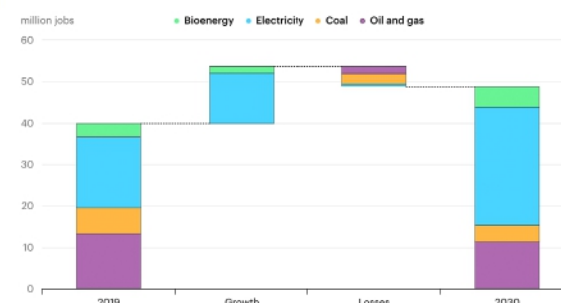
Priority actions

- Make the 2020s the decade of massive clean energy expansion
- Prepare for the next phase of the transition by boosting innovation
- Clean energy jobs will grow strongly but must be spread widely
- Set near-term milestones to get on track for long-term targets
- Drive a historic surge in clean energy investment
- Address emerging energy security risks now
- Take international co-operation to new heights

Key technologies ramp up by 2030 in the net zero pathway



Global energy supply jobs in the net zero pathway, 2019-2030



Clean energy investment in the net zero pathway, 2016-2050

