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Global outlook on the renewable market

By

Jaideep SANDHU, Chief Technology Officer, Global Business Unit Renewables, ENGIE

The views expressed are those of the author and do not necessarily reflect the views of UNCTAD.

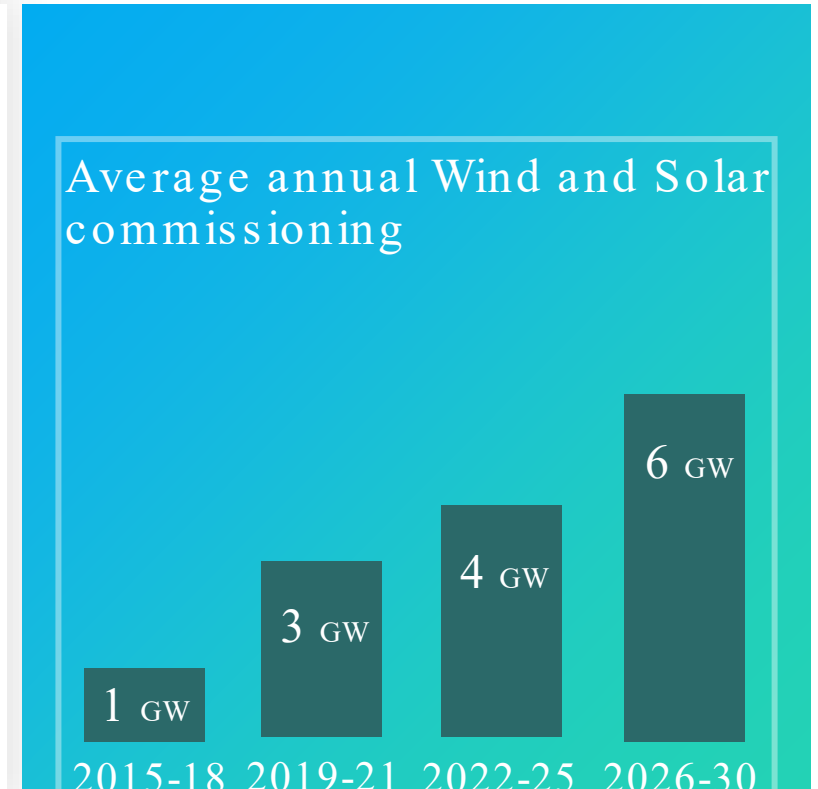
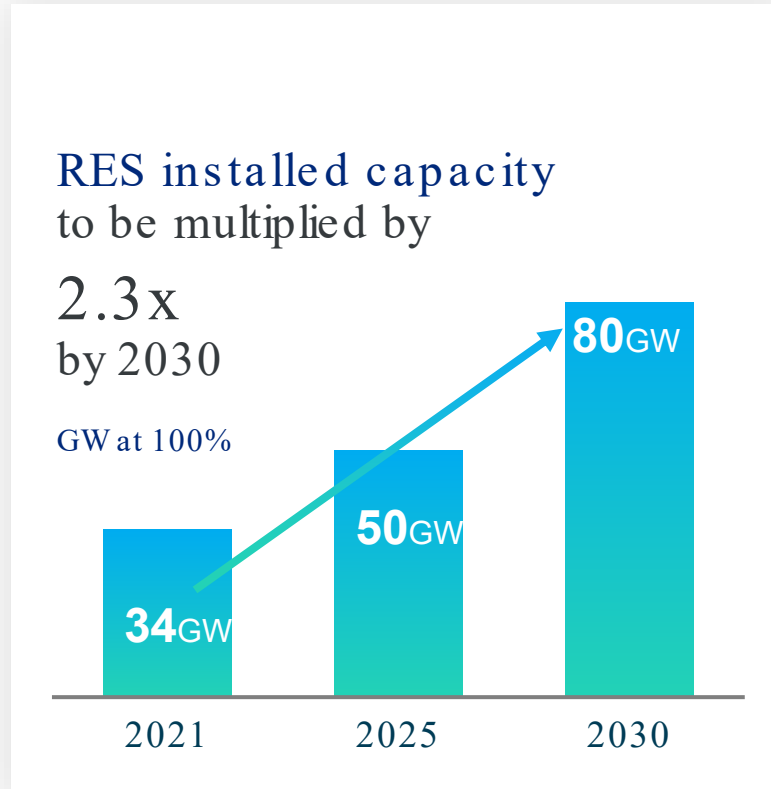
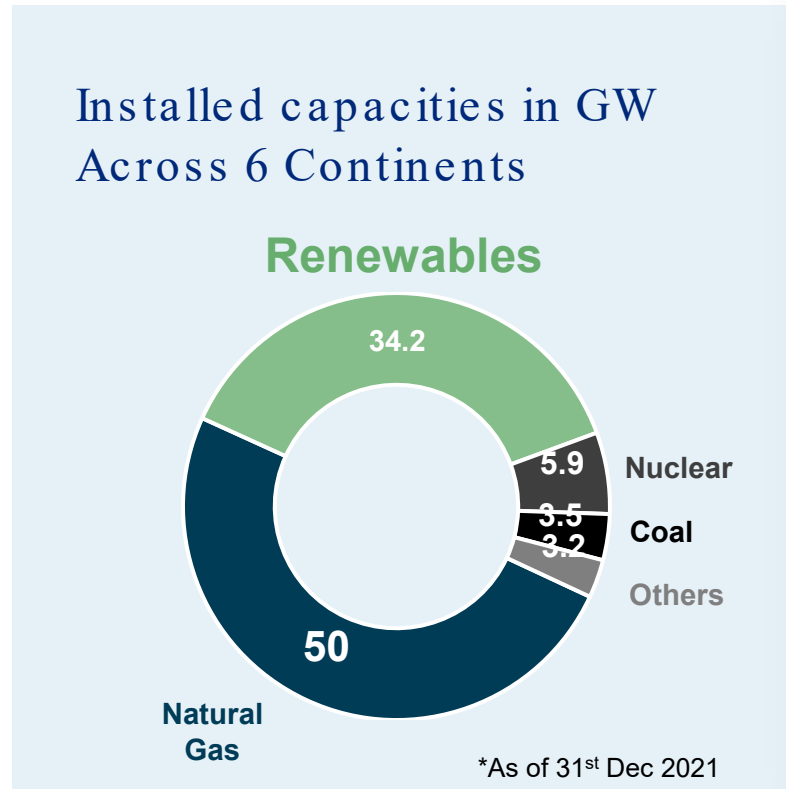
GLOBAL OUTLOOK ON THE RENEWABLE MARKET

Jaideep SANDHU
Chief Technology Officer
Global Business Unit Renewables

October 2022



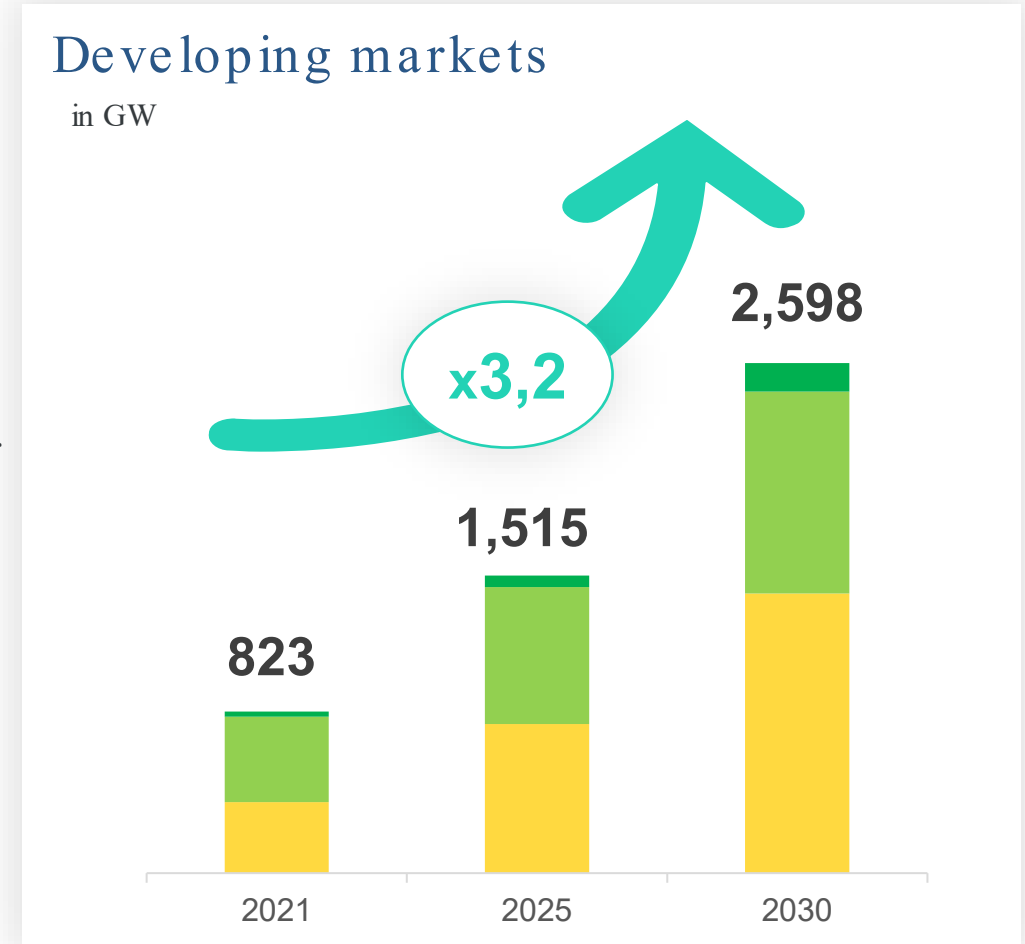
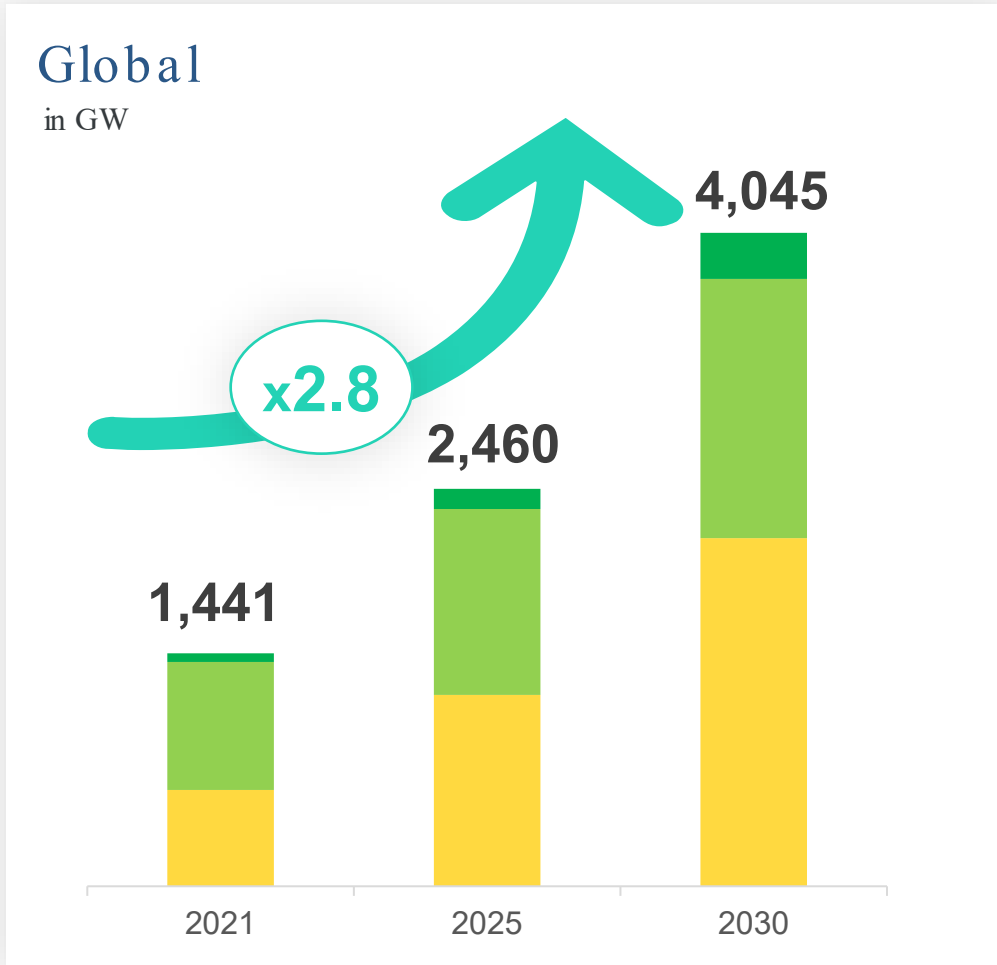
ENGIE, A TRANSITION MAKER



- ENGIE has committed to be Net Zero Carbon by 2045. 58% of power production from renewables by 2030.
- ENGIE is a member of the Global Gas Centre. More than 250.000 kms of Gas Networks. Decarbonised gas by 2045.
- 26MT equivalent of CO2 emissions avoided by ENGIE Customers using ENGIE products and services.
- ENGIE is a member of the First Mover Coalition.

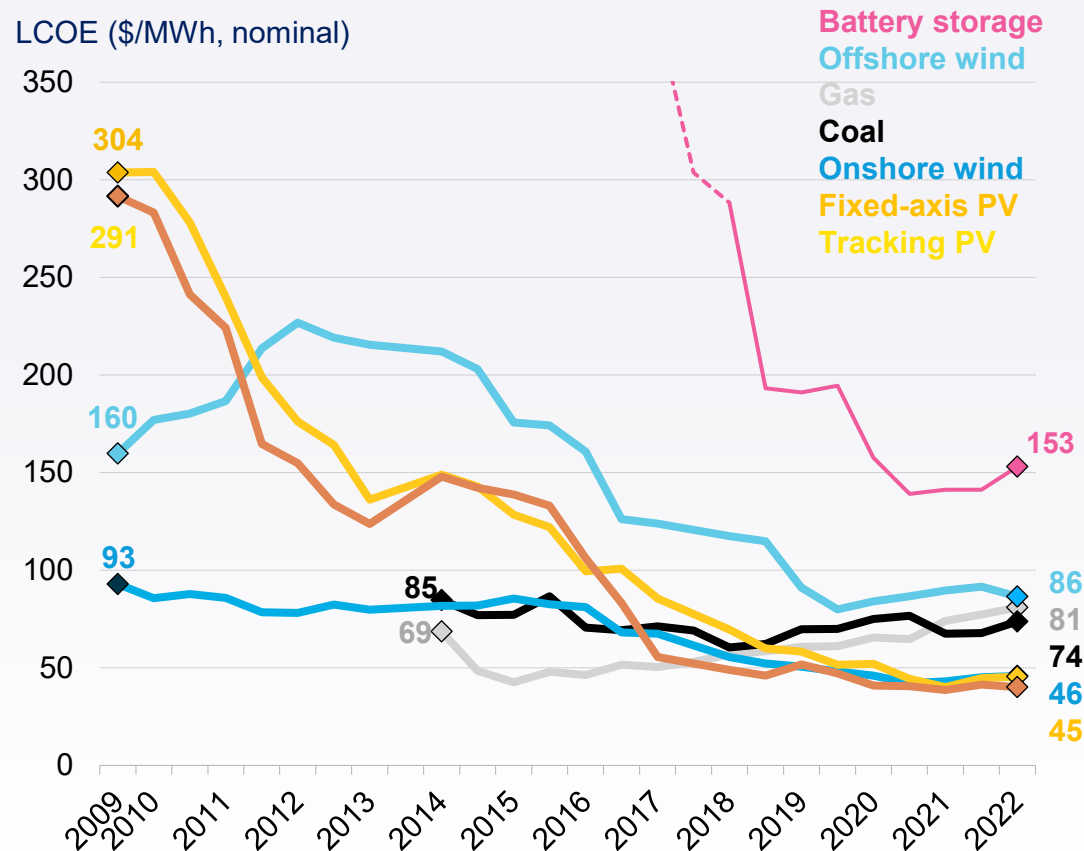
A BOOMING GROWTH TRAJECTORY FOR RENEWABLES

Wind and Solar capacity evolution by 2030



AN AFFORDABLE ENERGY

Historical LCOE¹ evolution 2009-2022

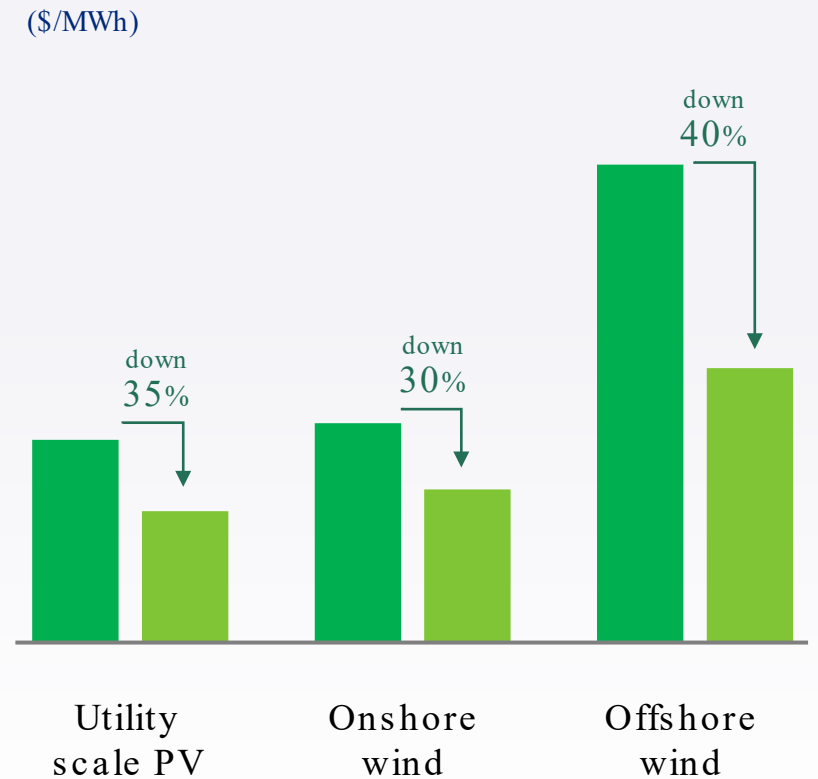


Source: BNEF 1H 2022 LCOE Update



1. Levelized Cost Of Energy

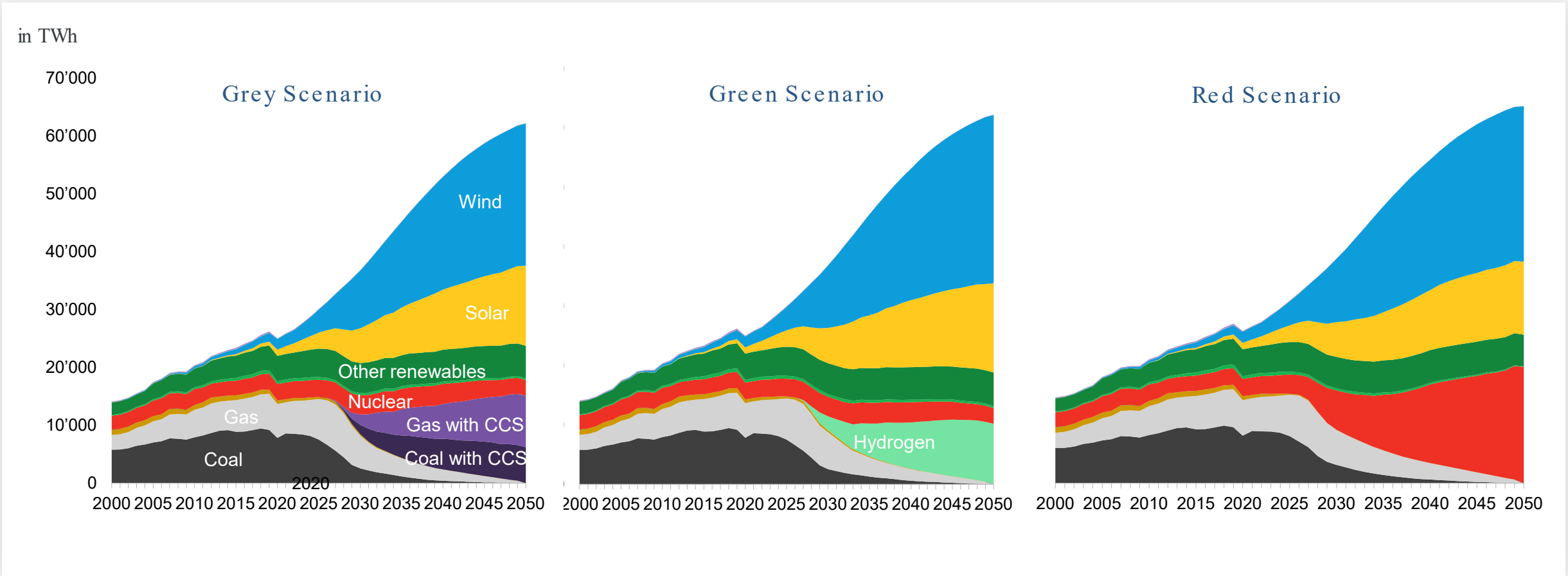
LCOE¹ of Renewables technologies Evolution by 2030



Source: BNEF

RENEWABLES WILL DOMINATE THE ENERGY MIX HOWEVER NEED FOR FLEXIBILITY (NOTABLY GAS)

BNEF Global power generation mix Scenarios (2000-2050)



CHALLENGES TO ADDRESS TO REACH TARGETS



Grid availability



Availability of suitable sites



Permitting processes



Protectionism, inadequate Policies, adequate legal framework



**Supply chain tensions and raw material availability
Interest rate increase and inflation**



Social acceptance and NIMBYism