



The Climate Investment Funds (CIF), a multilateral lending organization, announced on Thursday its commitment to support a \$1 billion initiative aimed at modernizing T?rkiye's electricity grid to enable it accommodate increased renewable energy capacity.



Hybrid power plants generate electricity from a primary and secondary source connected to the grid at the same location. The implementation of hybrid power plants and the conversion of existing plants to hybrids became possible in T?rkiye through a regulatory amendment in 2020.

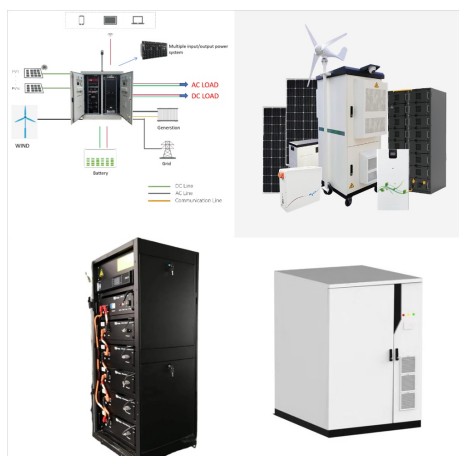


According to the plan, which also aims to develop T?rkiye's electricity transmission infrastructure, a new grid capable of carrying the increased energy production with approximately 14,700 kilometers of high-voltage direct current (HVDC) transmission lines is ???

Türkiye POWER GRID SWITCHING



Türkiye's energy minister announced plans on Monday to invest \$10 billion in the electricity grid by 2030 with the aim of establishing a "Green Grid." According to Alparslan Bayraktar, the energy and natural resources minister, during his video speech at COP 28 in Dubai, the country's energy transition requires continuous power grid



Türkiye secures \$70 million from Climate Investment Funds to enhance its renewable energy grid, expanding infrastructure, battery storage, and grid flexibility to integrate additional wind and solar capacity.



This involves parallel efforts to: (a) scale up renewable energy; (b) deploy grid integration measures, particularly battery and pumped storage, remunerating storage services, and expanding and digitalizing transmission networks; and (c) ensure well-designed power markets, with careful consideration of implications for reliability and

TÜRKİYE POWER GRID SWITCHING



The aim of this paper is to estimate the social and economic benefits of transforming Türkiye's power system through improved energy efficiency and renewable energy with the objective of ending the power sector's CO₂ emissions growth while allowing total electricity demand to grow by 27% by 2030 over its 2021 levels.



The upgraded transmission network will support Türkiye's ambitions to become a power exporter, with existing and new international grid connections. This includes new power links with neighboring countries, such as a recent 300 MW transmission to Iraq, plans for a second connection with Greece, and a new line between Türkiye and Iran.