

Technic-economical analysis of the Center for the Study of Democracy

- Bulgaria has unutilized technical offshore wind potential of 116 GW.
- 26 GW could be realized by mature bottom-fix technology.
- Capacity factors in the range of 40 – 48 % are achievable.
- The average cost for a unit of generated electricity from bottom-fix installations is estimated at EUR 62-90/MWh.
- The offshore energy industry could have a significant contribution for local communities in terms of highly-skilled job creation as well as for the formation of new technological clusters.
- The transformation of the two largest Bulgarian ports (Varna and Burgas) into decarbonization hubs would support the offshore wind industry formation.
- The most suitable deployment area is located near Shabla at the marine border with Romania. Up to 3.4 GW net deployment is feasible due to the significant wind energy resources and the availability of territories not reserved for other economic activities

