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### Renewables Summit

London 2022

Premium Partners:





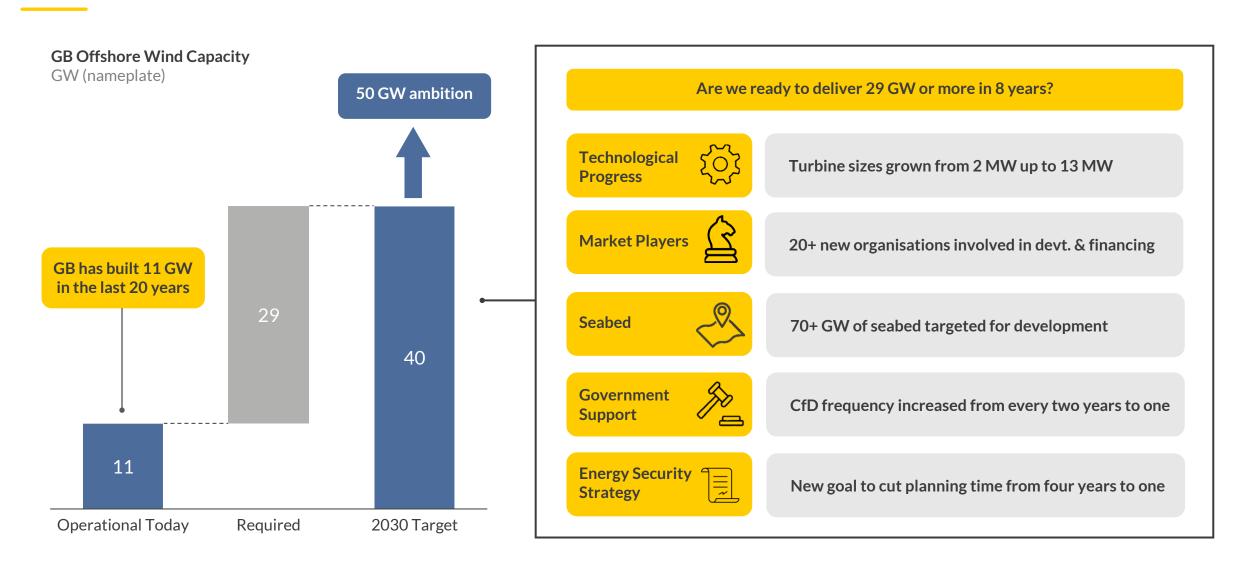
Supporting Partner:



Engineer - Install - Maintain

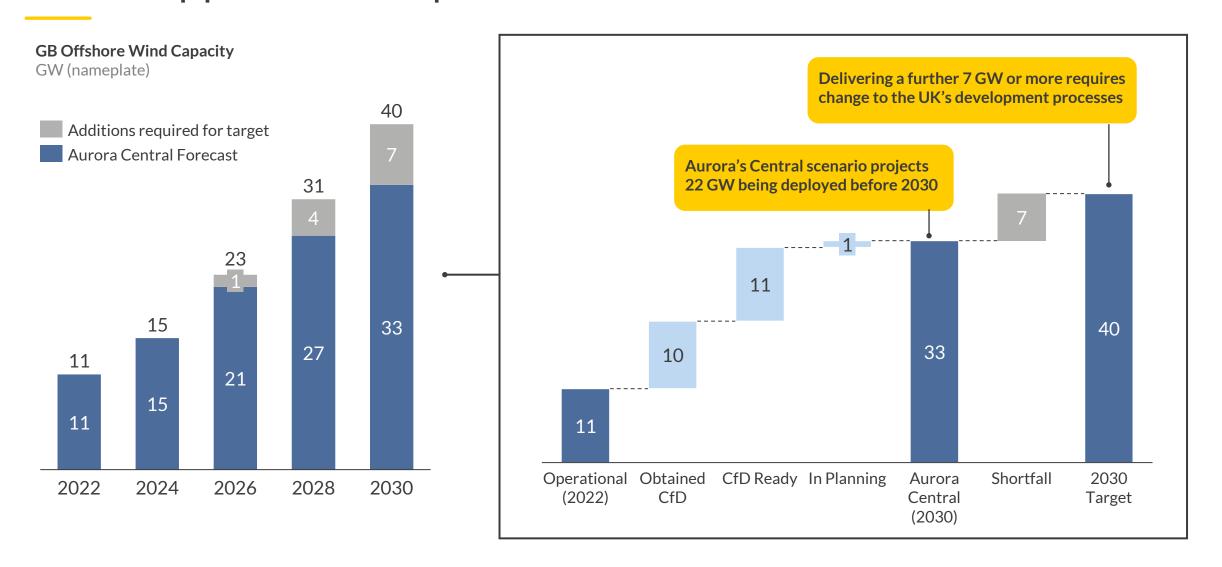
### The UK has high ambitions for offshore wind, can we deliver?





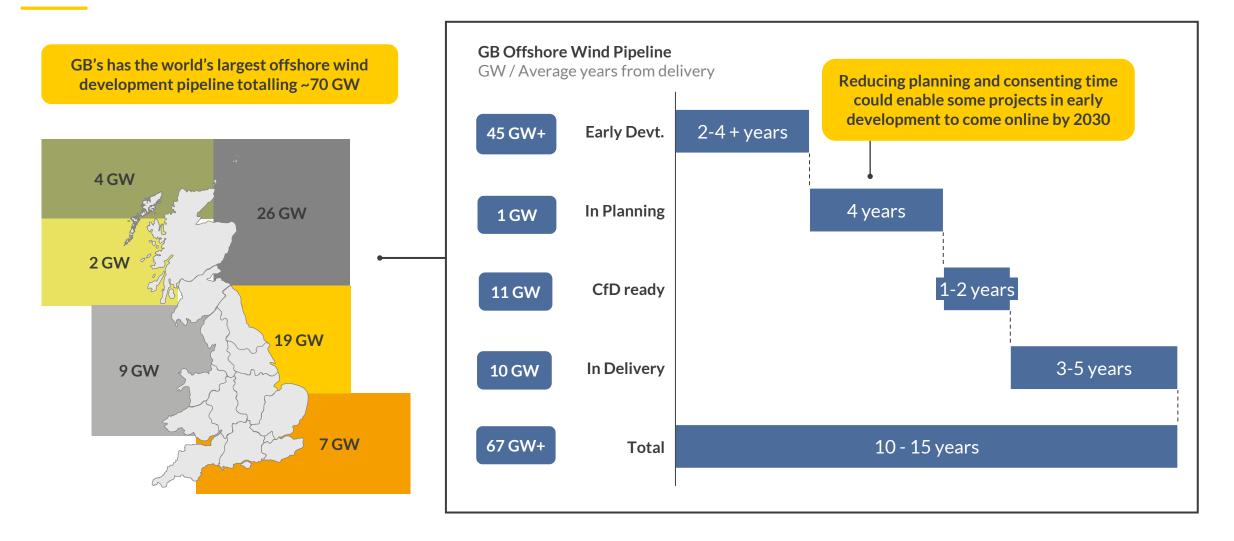
### Aurora's Central forecast sees GB reaching 33 GW by 2030, based on the current pipeline and development timescales





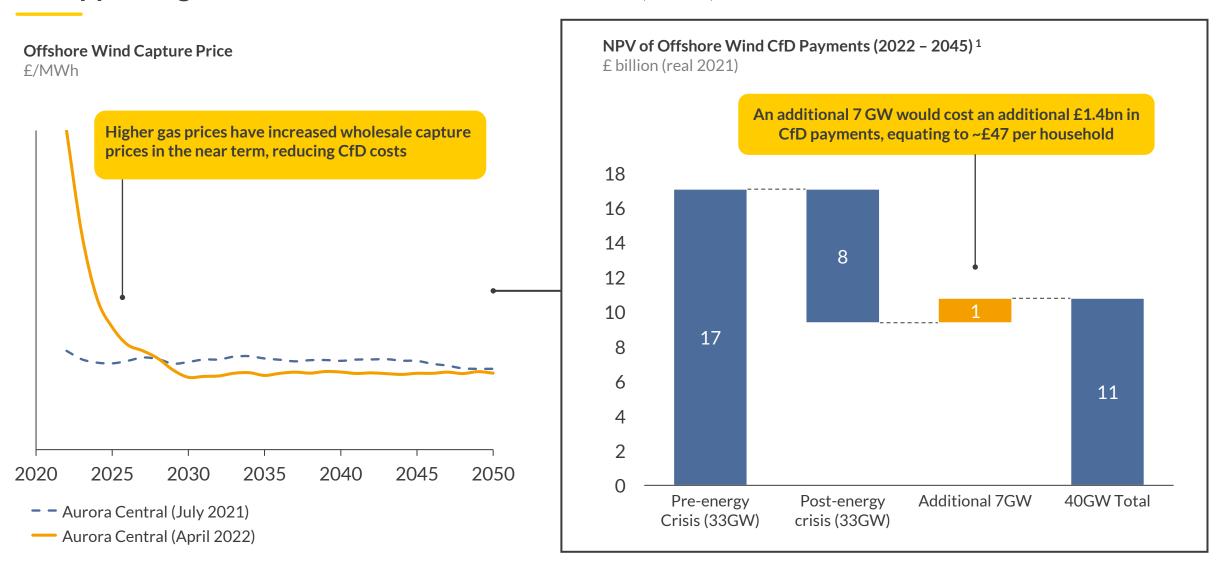
# The vast majority of GB's pipeline is more than a decade away from delivery, but reducing planning and consenting time could change this





# Europe's gas crisis has increased GB power prices, reducing the cost of supporting an additional 7 GW to £1.4 billion (NPV)

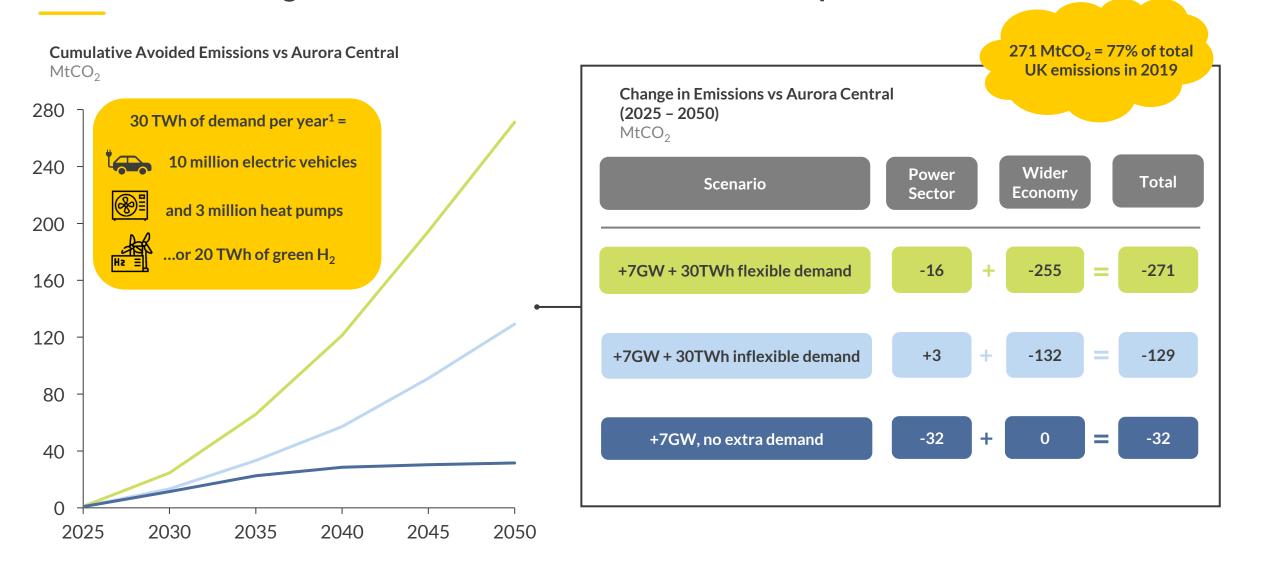




<sup>1)</sup> Assumed 5.0% discount rate, £40/MWh (real 2012) strike price assumed for additional 7GW

Adding 7 GW to Aurora Central will displace power sector emissions, however combining with flexible demand will absorb its full potential





<sup>1)</sup> Average EV demand of 1.8MWh; average heat pump demand of 4MWh; assumed electrolyser efficiency of 68%.

#### **Key takeaways**





GB must install 29 GW of offshore wind in the next eight years to reach 40 GW by 2030, or 39GW to reach 50GW



Aurora's April 2022 Central forecast sees GB reaching 33 GW of installed offshore wind capacity by 2030



Shortening planning consent time down from four years to one can increase the likelihood of GB reaching its 2030 targets



Europe's gas crisis has increased wholesale power prices, reducing the cost of offshore wind CfD payments by ~45%



Smart electrification and hydrogen are key for integrating offshore wind and maximising its decarbonisation potential

