

Appendix 1 : Global offshore wind targets/ambitions/potential, and policies (GW)

	Current capacity (GW)	2030	2040	2050	Policies, sources
UK	13.9	50 (incl. 5 floating)	34 floating		British Energy Security Strategy (Apr. 2022) <ul style="list-style-type: none"> ● Aims to cut process time by over half ● 2030 50 GW “ambition” is up from 40 GW in 2020 Ten Point Plan 34 GW by 2040 “potential” for floating offshore wind announced by RenewableUK
EU (27)	16.3	About 111	About 232	About 317	Sums of non-binding agreements in EU countries (Jan.2023) , preceded by: EU strategy on offshore renewable energy (Nov. 2020) <ul style="list-style-type: none"> ● 60 GW by 2030, 300 GW by 2050 ● €800 billion investment needed by 2050 ● European Commission (EC) to provide a clear and supportive legal framework for offshore wind ● EC will help mobilize all relevant funds to support development ● EC will strengthen the supply chain
North Sea Countries Denmark Netherlands Germany Belgium France Ireland Luxembourg Norway UK		120		300	Ostend Declaration (April 2023) <ul style="list-style-type: none"> ● Builds on Esbjerg Declaration (2022) signed by Denmark, Netherlands, Germany, Belgium aiming to replace fossil fuels with offshore wind and green hydrogen from the North Sea ● Jointly develop hybrid/multi-purpose and cross-border offshore projects and hubs ● Germany, Denmark, Netherlands, UK have set combined targets of 30 GW renewable hydrogen production capacity by 2030
U.S.	0.042	30 largely fixed-bottom	15 floating by 2035	110 (if 30 by 2030 target is achieved)	Support initiatives, policies for floating offshore wind: <ul style="list-style-type: none"> ● Floating Offshore Wind Shot initiative to reduce cost by 70% ● Inflation Reduction Act (IRA) provides manufacturing tax credits
China	31.4	200 (GWEC)		1,000 (GWEC)	Both are industry group initiative goals, not government official goals (GWEC Global Wind Report 2023)
Japan	0.136	10	30-45		
Taiwan	1.4	13.1		40-55	Part of 2050 Net-Zero strategies <ul style="list-style-type: none"> ● Development to focus on large-scale, floating offshore wind
Vietnam	0.874	6		70-91.5	8th National Power Development Plan (PDP8) approved in May 2023
South Korea	0.142	14.3	26.7 by 2036		10th Basic Plan on Electricity Supply and Demand announced Jan. 2023