

Grounds for exclusion of large welded tubes

- **Large welded tubes used for offshore wind-farm in UK's national project should be excluded from any trade remedies.**

(1) Coincidence to UK's eco-friendly policy

- The announcement follows an Oil and Gas Authority report which said offshore renewables could account for 30% of the emissions reductions needed by 2050.
- UK Government Minister for Scotland, David Duguid, said : "The renewables industry is vitally important to Scotland and the UK Government is committed to help drive innovation in the sector, including supporting Scottish wind projects.

(2) Needs huge amount of large welded tubes

- Energy Minister Kwasi Kwarteng announced the move, which aims to help the UK increase offshore wind power from 10GW to 40 GW by 2030.¹

① Estimated tubes consumption (Jacket foundation)

→ **300,000 M/T of Large welded tubes per annum are needed up until 2030.**
(100,000 M/T /GW)

② Pipe size based on types of foundation

Classification		OD(inch)	WT(mm)
Jacket	Brace	29~62	38~46
	Leg	49~129	80~105
	Pin pile	128	80~90
Mono pile		236~394	50~100

→ **Wind Farm foundation needs large diameter and heavy wall pipes**

¹ <https://www.evwind.es/2020/08/06/uk-government-announces-plans-to-quadruple-offshore-wind-power-by-2030/76323>

③ UK Pipe Mills Capacity

Name	Location	Process	OD (inch)	WT (mm)	Length (m)	Capa (tons)
Liberty	Hartlepool	UOE	16~42	8.7~51.0	12.8	300,00
Liberty	Tredegar	ERW	1.6~7.5	2.0~6.3	7.5	75,000
Tata	Hartlepool	ERW	1.6~20	3.2~17.5	15.3	220,000
Tata	Corby	ERW	1.6~20	3.2~17.5	15.3	250,000
HDM	Cardiff	ERW	20~120	6.0~32.0	42.0	50,000

Source : Company's homepage

→ **UK pipe mills' cannot cover size of jacket foundation and mono pile (OD, WT)**

► **Therefore, imported products are essential and contributed to UK's national interests.**