

MHI Vestas offshore wind blade localisation

In conjunction with Tien Li Offshore Wind Technology Ltd and Changfang & Xidao Offshore Wind Project (being developed by Copenhagen Infrastructure Partners)





Blade production alone







- Each V174 blade (85m) is longer than China Airlines' jumbo jet, the Boeing 777-300ER
- Blade factories are highly complex and have **strict requirements on temperature and humidity** to allow the blades to be moulded and set
- Over **350 workers will be employed** at Tien Li's factory in Taichung Harbour
- Advanced European technology will be brought to Taiwan, including carbon process machines, blade moulds, infusing & bonding machines, and leading edge protection (LEP)
- Employees will be hired from Taiwan, and specially trained in Denmark in blade making disciplines
- MHI Vestas will carry out a **mentorship partner programme**, with experts from Europe training local employees to embed performance in Taiwan
- Some of the roles will include blade technicians, HSE specialists, transport operatives, process coordinators, quality control engineers, team leads and many assembly jobs
- The first blade is expected from Tien Li's factory in Q3 2021. There is space at the facility for up to 120 blades to be stored.

Blade ecosystem

(including materials)



Adding up to **2,740** FTE job years in total*



Creating economic value of up to **TWD 4b** in total

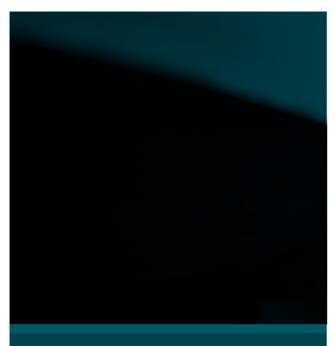


Substantially beyond **IDB requirements**

- Building a sustainable blade ecosystem
- Not only will MHI Vestas bring blades through collaboration with **Tien Li**, but **Swancor** will also supply bonding glue, resin, and carbon pultruded plates for the blades
- This ecosystem will also enable potential global supply of materials adding **170 additional FTE job** years through global supply!

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^{*}FTE years, between 2020-2024 (direct + indirect + induced) Source: BVG Associates 2020





Blade production across MHI Vestas

Taichung Harbour, Taiwan Isle of Wight, UK Nakskov, Denmark











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