

# 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



Adding up to **2,070**  
FTE job years\*



Creating economic value  
of up to **TWD 3b**



Tien Li building  
**new blade factory**

- 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!

\*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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