

News release from Vestas Asia Pacific

Singapore, 25 April 2022

Vestas completes its first locally produced V174-9.5 MW™ blade in Taiwan

Vestas has together with its partner Tien Li Offshore Wind Technology (Tien Li) produced the first V174-9.5MW™ blade at our facilities in Taiwan, reaching another milestone in the localizing of the V174-9.5MW™ offshore turbine in Taiwan. The blades will be installed in 2022 at Copenhagen Infrastructure Partners' Changfang offshore wind project and is the result of close collaboration with local suppliers and investments in local capabilities.

The first blade, which weighs 35 tons and measures 85m long, consists of materials produced in Taiwan and was manufactured in the 210,000 square metre manufacturing facility located in Taichung, central Taiwan. The production facility, which currently employs over 400 people, is ramping up production to meet demand from announced offshore wind projects in Taiwan.

"Blades are the most technically complex part of our turbine to manufacture", says Michael Balvers, COO at Vestas Asia Pacific. "Producing these offshore blades for the first time in Asia Pacific has not been without challenges, but with the help from our launch team from Ahmedabad, India and support teams from all over APAC and Denmark we have overcome these challenges and we produced the first blade in Taiwan in a safe way and quality that Vestas is known for."

"The completion of the first locally produced V174-9.5 MW™ blade is a huge achievement for Taiwan's growing wind industry," said Alex Robertson, General Manager at Vestas Taiwan. "Vestas continues to invest substantial resources in developing our supply chain in Taiwan, with the blades production being the most tangible result."

Dennis Sanou, CEO of the Changfang & Xidao Projects that will be using the first Taiwan-made blades, says *"This is a tremendous milestone involving technology transfer and talent cultivation driven by Changfang-Xidao and Vestas' commitments to building a local supply chain. We would like to congratulate our partners, Vestas, and Tien Li, for successfully realising local blade production ahead of the government's expected schedule with international market quality standards. We look forward to the timely delivery of other localised components to our windfarm."*

"The first Taiwan blade completion is Tien Li's critical milestone, and also a big step for Taiwan offshore wind industry. The completion overcame many challenges, such as lack of raw materials for factory construction, the COVID impact and boundary restrictions that limit sending our engineers and also the supporting resources came in, especially at the technical transferring process. Even though, we held the strong belief and commitment to solve all the problems and made the first Taiwan blade happened. It's our honour as the partner in this meaningful project.", says KD WU, Chairman of Tien Li.

Vestas has been active in the Taiwan market for more than two decades, with the first V47 installed in 2000. Vestas is currently working on an offshore project capacity of almost 1.2 GW in Taiwan. Currently, there are 125 Vestas employees in Taiwan.

Vestas Asia Pacific

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aliko@vestas.com**About Vestas**

Vestas is the energy industry's global partner on sustainable energy solutions. We design, manufacture, install, and service onshore and offshore wind turbines across the globe, and with more than 140 GW of wind turbines in 85 countries, we have installed more wind power than anyone else. Through our industry-leading smart data capabilities and unparalleled more than 120 GW of wind turbines under service, we use data to interpret, forecast, and exploit wind resources and deliver best-in-class wind power solutions. Together with our customers, Vestas' more than 29,000 employees are bringing the world sustainable energy solutions to power a bright future.

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Vestas 本土化重大里程碑！台灣首支國產風機葉片完工

攜手合作夥伴天力離岸風電公司 落實在台風機供應鏈

【2022 年 4 月 25 日新加坡訊】Vestas 與合作夥伴天力離岸風電公司，於台灣生產第一支本土製造的葉片正式完工，具體成就 V174-9.5MW™ 離岸風機本土化里程碑。葉片將於今年用於合作夥伴丹麥哥本哈根基礎建設基金(CIP)開發的彰芳暨西島離岸風場，是 Vestas 與台灣供應商密切合作以及投資本土供應鏈的重要階段性成就。

風機葉片重達 35 噸、長 85 公尺，由台灣本地生產的材料製成，並由位於台中占地 210,000 平方公尺的製造廠製造。該製造廠目前擁有 400 多名員工，正逐步優化製程以提高產能，滿足台灣離岸風電計劃的需求。

Vestas 亞太區營運長 Michael Balvers 表示：「葉片是風機零組件中生產技術最複雜的項目之一，也因此首次在亞太地區生產風機葉片極具挑戰，但在我們來自印度艾哈邁達巴德 (Ahmedabad) 葉片廠的開創團隊，以及來自亞太地區各地和丹麥團隊專業的協助下，我們克服了這些挑戰，秉持 Vestas 自豪的安全及高品質，成功在台製造第一支本土風機葉片。」

Vestas 台灣區總經理 Alex Robertson 表示：「成功製造第一支 V174-9.5MW™ 風機葉片，對於不斷成長的台灣離岸風電產業是一大進步，也是相當大的成果，Vestas 將繼續投入大量資源發展在台供應鏈。」

CIP 彰芳暨西島離岸風電計畫執行長 Dennis Sanou 表示：「這是彰芳西島風場和 Vestas 致力於打造本土供應鏈的技術轉移和人才培訓的階段性成果。我們恭喜合作夥伴 Vestas 和天力，在維持國際品質標準的前提下，更提前實現了政府預期的本土化葉片生產時程。我們期待在未來能夠看到更多本土化風機零組件在風場出現。」

天力離岸風電公司董事長吳坤達表示：「製造台灣第一支本土風機葉片是天力的重要進展，也是台灣離岸風電產業邁出的一大步。我們克服了许多難關，例如建設製造廠時曾缺乏原材料，在技術移轉的過程中，COVID-19 的邊境管制也影響工程師和資源進入台灣。儘管如此，

我們還是抱著堅定信念和決心解決了各種困境，催生了台灣第一支本土風機葉片的誕生。能參與這個別具意義的合作項目，我們倍感榮幸。」

從 2000 年安裝了第一台 陸域風機 V47 開始，Vestas 致力於台灣市場經營至今二十多年。目前正在台灣開展容量近 1.2 GW 的離岸風電計劃。目前，Vestas 在台有 125 名員工，持續推動台灣綠能產業發展。

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關於 Vestas

Vestas 是永續能源解決方案的全球合作夥伴。我們為全球各地的陸域與離岸風機提供設計、製造、安裝和服務，在 85 個國家擁有容量超過 140GW 的風機，安裝的風力發電量為業界之冠。透過領先的智慧數據分析，以及容量超過 120GW 的現役風機，Vestas 透過數據洞察、預測和開發風力資源，提供頂尖的風電解決方案。Vestas 超過 29,000 多名員工持續攜手客戶，共同為世界帶來永續能源解決方案，成就更美好明亮的未來。

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