

# Yunlin Windfarm Project (Taiwan)

## KimLift® Synthetic Round Slings

### DATE

March to June 2021

### BACKGROUND

Future Synthetics Pte Ltd designed and manufactured a total of 8 heavy lift slings for the Yunlin Wind Farm project.

When completed, Yunlin will be one of the biggest wind farms in Taiwan and provide clean electricity to more than 450,000 Taiwanese homes and offsetting 916,000 tonnes (t) of CO<sub>2</sub> emissions a year.

The Yunlin offshore wind farm will be installed with 80 SG 8.0-167 DD offshore wind turbines from Siemens Gamesa Renewable Energy (SGRE). It will be the first wind farm in Asia Pacific to use such turbines.

With 167m-diameter rotor and 81.4m-long blades, each direct-drive turbine will have a swept area of 21,900m<sup>2</sup> and a rated capacity of 8MW.

Equipped with high wind ride through (HWRT) system, the wind turbines are designed for smooth ramp down instead of immediate shut-down, when the wind speed exceeds 25m/s.

All slings were made with *Engineered Length Control*® for strict length compliance.



## Yunlin Wind Farm, Taiwan KimLift® Synthetic Round Slings

## Pioneering the Future of Heavy Lifting!



### SCOPE OF SUPPLY:

4x KimLift® synthetic round slings KLX-428; MBL 2,142 MT (adjusted for bending diameter) and nominal effective working length 50.00 meters.

4x KimLift® synthetic round slings KLX-869; MBL 4,346MT (adjusted for bending diameter) and nominal effective working length 9.0 meters.

Designed in Singapore by Future Synthetics Pte Ltd and manufactured and tested in Malaysia to DNVGL-ST-N001 by Future Synthetics (Malaysia) Sdn Bhd.