

Client: Contoso Renewables - Quellmoor Ridge Wind Farm
Job: WTG-04 rotor blade B replacement (single blade lift)
Lift window: 2026-09-08 to 2026-09-10, daylight only
Plan date: 2026-08-19
Appointed person: Bram Okkerse, Tailspin Heavy Lift
Client supervisor: Dario Penwarden, Contoso Renewables

1. Crane and rigging

Main crane: 600 t crawler crane, fleet no. TS-600C-02, 102 m main boom
Assist crane: 100 t mobile crane (tailing the blade root)
Blade: 57.5 m, 14.6 t
Blade yoke: 3.9 t
Rigging: 0.6 t
Total hook load: 19.1 t
Radius: 26 m capacity at radius 31.0 t utilisation 62 %
Hook height: 96 m

2. Weather limits

Maximum 10-minute mean wind speed at hub height: 8 m/s

Maximum gust: 11 m/s

No lift in fog (visibility below 300 m), with lightning within 15 km or with icing.

Wind is read at the WTG-04 nacelle anemometer and at the boom tip anemometer.

3. Exclusion zone

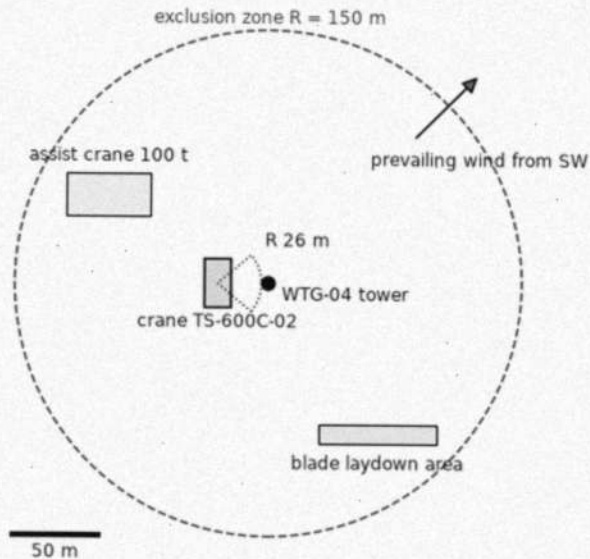
Radius 150 m around WTG-04 during the lift.

Two tag lines of 120 m on the blade. Site gate closed by the banksman.

4. Ground

Ground bearing pressure under crane mats: 180 kN/m² (allowable 250 kN/m²).

5. Crane set-up (plan view)

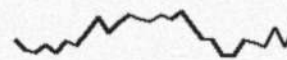


6. Sequence

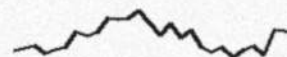
1. Pre-lift meeting; PTW signed by both parties.
2. Rotor locked with blade B pointing down; pitch system isolated.
3. Blade yoke fitted and load test at 0.5 m above the laydown area.
4. Blade B unbolted and lowered with both tag lines manned.
5. New blade lifted, bolted and torqued per Litware instruction.
6. Exclusion zone released only by the appointed person.

7. Sign-off

Prepared: Bram Okkerse, Appointed Person

 **19/08/26**

Approved: Dario Penwarden, O&M Supervisor

 **21/08/26**