Client
Vattenfall

Service type
Decommissioning

Project introduction
Decommissioning 19 Neg Micon 750 KW turbines

Location
Nørre Økse Sø wind farm, Denmark

FairWind

Case study

Delivering a cost-effective turnkey decommissioning package

Project summary

- Decommissioning of 19 turbines and removal of 24 foundations, including all associated components
- Deployment of specialised cranes and equipment for controlled dismantling
- Comprehensive waste management strategy ensuring responsible disposal of materials
- Turbine components transported to designated recycling facilities, with efforts to resell, recycle metals, and repurpose fibreglass
- Focus on minimising waste and adhering to sustainability best practices.

Detailed scope of work

The project involved the complete decommissioning of 19 turbines, including all associated components, along with the dismantling and removal of 24 turbine foundations. This process was conducted with a strong focus on waste management and disposal to ensure environmental responsibility.

To facilitate safe and efficient operations, all necessary equipment and cranes were supplied and deployed. Once dismantled, turbine components were transported to designated recycling facilities, where efforts were made to maximise reuse and recycling, including the resale of identified components, metal recycling, and fibreglass re-purposing. Additionally, a comprehensive waste management strategy was implemented for the removal of turbine foundations.

Continued overleaf...

Results

- Reduced risk and streamlined execution
- Zero incidents
- On-time and on-budget delivery
- Single contracting interface
- Cost efficiency
- Optimised recycling and sustainability.

FairWind's decommissioning services

FairWind provides safe, efficient, and sustainable wind turbine decommissioning, covering disassembly, demolition, transport, and recycling.

- **Disassembly**: reverse installation process ensuring a clean site, component reuse, and optimised HS&E
- **Demolition and civil works**: removal of foundations, cables, and park roads with full site restoration
- **Transport and logistics**: safe transport of blades, towers, hubs, and nacelles for recycling, refurbishment, or resale
- **Component reuse and recycling**: gearboxes and generators repurposed; steel towers recycled; blade composites used in cement production.

Our approach reduces carbon emissions, minimises waste, and ensures cost-effective, responsible decommissioning.

Pictured opposite

1. Lifting the rotor and nacelle to the ground
2. Two blades were transported per truck
3. Foundation removal.

For more information, please contact
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