



# Wind power – an important part of England’s energy mix

Adding wind turbines to estates, forests and farmland  
with Nordic integrity since 2007



# Why add wind turbines to your land with Arise?

Wind turbines reliably deliver a long-term, index-linked rental income to landowners. They also generate clean electricity to power England's homes and industries.

Arise AB, listed on the Stockholm NASDAQ, is a trusted renewable energy developer with an established track record of developing, constructing, owning and operating renewable electricity generation in the UK, Finland, Norway and our home market of Sweden. With 2,000 MW under operational management, a further 7,000 MW in development and 380 MW in construction, we are a strong partner for any renewable energy project.



Owning land in the UK requires a balance of a business minded approach, a long-term outlook and the sympathies of a trusted caretaker. Adding onshore wind turbines to hilltops, moors or open arable land can deliver a long term income via land lease rental payments.

As part of a diverse mix of revenue streams, the income from wind land rental lays a dependable foundation for your wider business activities. It provides stability to counter the annual pressures of unpredictability.

**Wind turbines leave a legacy for future generations** of the family estate, with a positive contribution to creating the low-cost, clean electricity needed to power homes, businesses and growth. Onshore wind is the lowest cost method of electricity production in the UK. In 2023, 29.4% of all UK electricity was generated by wind power, a figure that increases every year to meet British Govt targets. Britain's ample wind resource makes it the best place to generate onshore wind electricity in the Europe

#### UK wind speed at 45 m above ground (m/s)



Source data:  
UK Wind Database



What does a wind farm consist of and how can landowners benefit?



Wind power installed across an estate requires a relatively minimal footprint of access roads, graveled set down areas, trenched cabling and foundations. Preferably, shipping container sized battery energy storage systems (BESS) will be co-located nearby. They are used to store the variable electricity produced as wind energy is available, to be released as demanded by the wider electricity network. Wind turbines generate electricity at high voltage (HV) for export to the national grid. When the wind turbines have reached their lifespan, all equipment is easily removed, access roads generally remain in place providing land utility.

**A well-designed wind farm has minimal impact on your land.**

Wind turbines are peaceful neighbours. They require very little maintenance and are monitored 24/7 via remote systems. Throughout the development period, the site’s natural environment and visual landscape is thoroughly studied. In the planning process we are obliged to design the project with consideration to the landscape, the local community and surroundings. We often plant new woodlands bringing net biodiversity gains to the local area and contribute financially to community projects.



**Mid sized onshore wind installation**

Turbines	Six with 3.5 MW each
Installed power	21 MW
Total generation	Approx 65GWh/yr



20,000 homes



4,825 ton CO<sub>2</sub>/yr saved

**Large scale onshore wind farm**

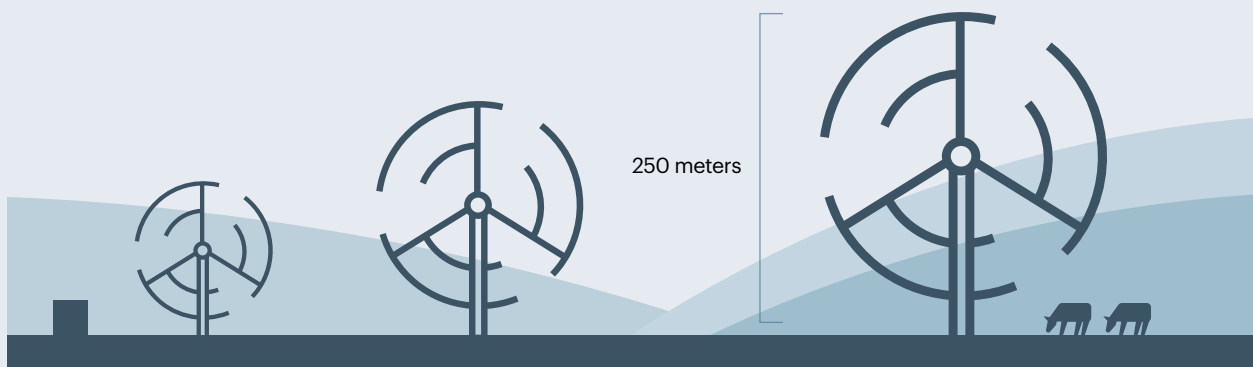
Turbines	Twenty with 7.0 MW each
Installed power	140 MW
Total generation	Approx 430GWh/yr



95,000 homes



52,300 ton CO<sub>2</sub>/yr saved



Battery storage

Commercial wind turbines are typically 130m up to 250m tall to the wing tip

# How a wind farm is planned

Once initial contact has been made with landowners, the early stages of project development are typically kept confidential to allow free discussion of ideas. Arise must diligently consider the existing land use, landscapes, neighbouring land, local communities, wildlife and all other impacts to inform the design and coordinate with a landowner's other priorities including continuation of grazing, arable, recreational or field sports activities.

The routing of the connection to the electricity distribution network (at 33kV) or national grid (up to 400kV) must be carefully considered. Once an initial agreement has been struck, Arise will commence the wider development of the wind farm that typically consists of four stages.



# 1 Feasibility studies

- Dialogue with landowners
- Identification of suitable areas
- Agree exclusivity to proceed
- Analysis of production, economic, environmental and local impact
- Installation of meteorological mast, typically one year
- Agree heads of terms for option to lease and land lease agreement

# 2 Planning processes

- Review local planning policies/assess the impact of the wind farm on the area
- Detailed planning and optimization of the layout considering environmental requirements
- Meaningful public consultations and incorporating feedback
- Planning awarded
- Construction permits are applied for

# 3 Procurement and construction

- Component and contractor procurement
- Construction rent starts being paid
- Earthworks, cabling, grid connection, piling, assembly work and fencing
- Installation of measuring equipment and remote systems
- Planting and landscaping

# 4 Commissioning and management

- Energisation takes place, production begins
- Lease rental payments become due
- Maintenance according to the technical plan and environmental conditions
- Production is continuously monitored from the operations centre via remote connection
- At the end of the farm's useful life, the land is restored as set out in the planning agreements





# Benefits for landowners

**Long-term, stable** and index-linked land lease rental income as part of the mix of your revenue streams.

**Long-term protection** of land parcels, ready to be returned once the wind turbines are removed, with no lasting impact on landscapes and nature.

**Leaves a generational legacy** of a positive contribution to creating the low-cost, clean electricity needed to power our homes, businesses and growth.

**... and benefits for the wider communities** that host wind turbines can include financial support for village halls, recreational facilities or equipment for local schools. The wind generation facility can offer an educational experience for local school children.

**A dependable foundation** for your wider business activities, relieving a little of the annual pressures of markets and unpredictability.

**Restored habitats and renewed planting**  
Creating new woodlands and the opportunity for local wildlife to recover – a gain for biodiversity.

**Wind turbines are peaceful neighbours.**  
They require very little maintenance and are monitored via remote systems.



# Why partner with Arise?

Our UK-based teams are experienced and knowledgeable. They operate with the measured integrity you would expect from one of the Nordics' leading independent players in renewable energy. We work closely with landowners, from project origination, electricity network connection and planning processes to financing, construction and long-term management of renewable electricity production. Our goal is to ensure that the developed projects complement the hosting community.

Interested? Give us a call to discuss Arise as a development partner. We believe that you will be happy with your decision.



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**A selection of the companies that trust in Arise to deliver**

Allianz Capital Partners | Allianz Global Investors | BlackRock | InfraRed  
CapMan Group | Equitix | Foresight Group LLP | GE | KumBro Vind AB | re:cap global investors  
Red Rock Power Limited | Senvion | Threadneedle Asset Management | TRIG  
Siemens | Nordex | Vestas





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