

Onshore Wind Supply Chain

Supply Chain Pack – Onshore Wind in Scotland



VATTENFALL

A pipeline to 2030



Introduction

Vattenfall's onshore wind pipeline to 2030 is expected to see around 500MW of installed capacity built across a number of sites *subject to consent.

We are committed to making sure businesses across Scotland have the opportunity to understand and compete for the hundreds of contracts that lie within delivery of our onshore wind farms.

In this guide you will find out more about the likely timescales, a breakdown of the main packages of work, some information on the approach to contracting, as well as the chance to share your company details with us and send questions directly to our procurement team.

Creating the workforce of the future

By 2050 it's expected that 500,000 roles within the energy industry alone will need to be filled to reach net zero in the UK.

Training, upskilling and transfer of skills from other industries will all be a part of the solution. The industry needs technicians, engineers, ecologists, surveyors, plant operatives – the breadth of opportunities is vast

We're committed to delivering a programme of apprenticeships across our pipeline of projects through the supply chain, and are looking for suppliers to work with us to train this future workforce. Share your ideas as we develop this programme of training opportunities.



500,000
roles within the
energy industry



About Vattenfall

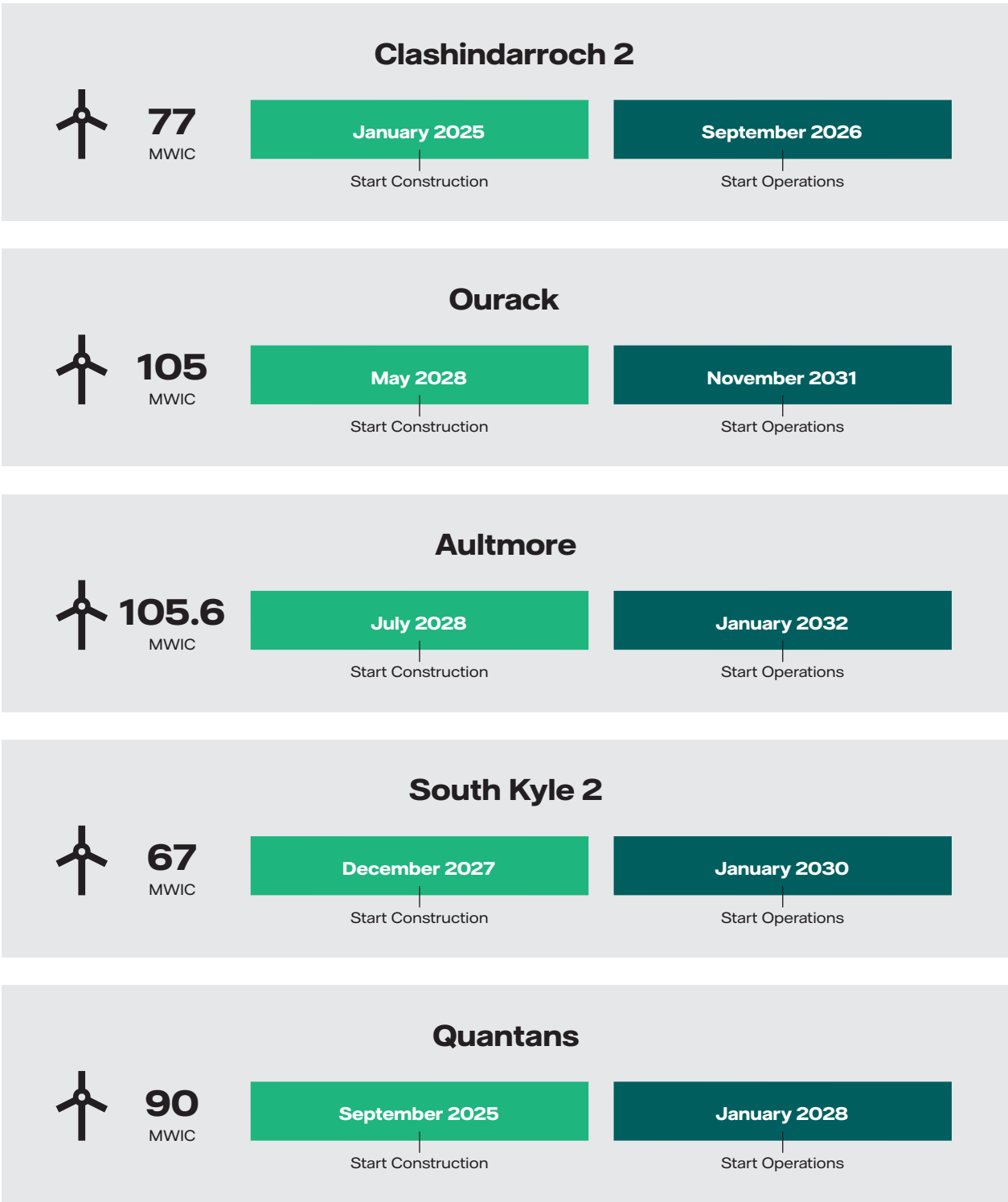
Vattenfall is a leading European Energy Company. We want to make fossil free living possible within one generation and are driving the transition to a more sustainable energy system through growth in renewable production and climate smart energy solutions for our customers.

Vattenfall in the UK - at a glance



Our pipeline of projects in Scotland

This indicative timeline is subject to planning consent, showing the potential timeline of opportunities coming up in Scotland for your company.



MWIC = MegaWatt of installed capacity



Our approach to procurement

Onshore wind is an opportunity for companies of all sizes. Our work on our wind farms to date shows the scale of the opportunities for local companies and workers.

We are committed to making sure that we provide clear, open and transparent opportunities to work on our projects – whether an existing supplier or new to this exciting industry.

Your feedback is vital to make sure that we understand how we can continue to open up these opportunities to the Scottish supply chain.



Contracting Strategy

For the construction phase of our wind farm projects, we procure directly with Tier One contractors for the main packages of work – companies who can oversee and deliver a full package of work for the project. For companies interested in work within these main packages of work, by registering with our supplier portal, you can ensure that your company's interest in working on our pipeline of projects is highlighted to these Tier One Contractors.

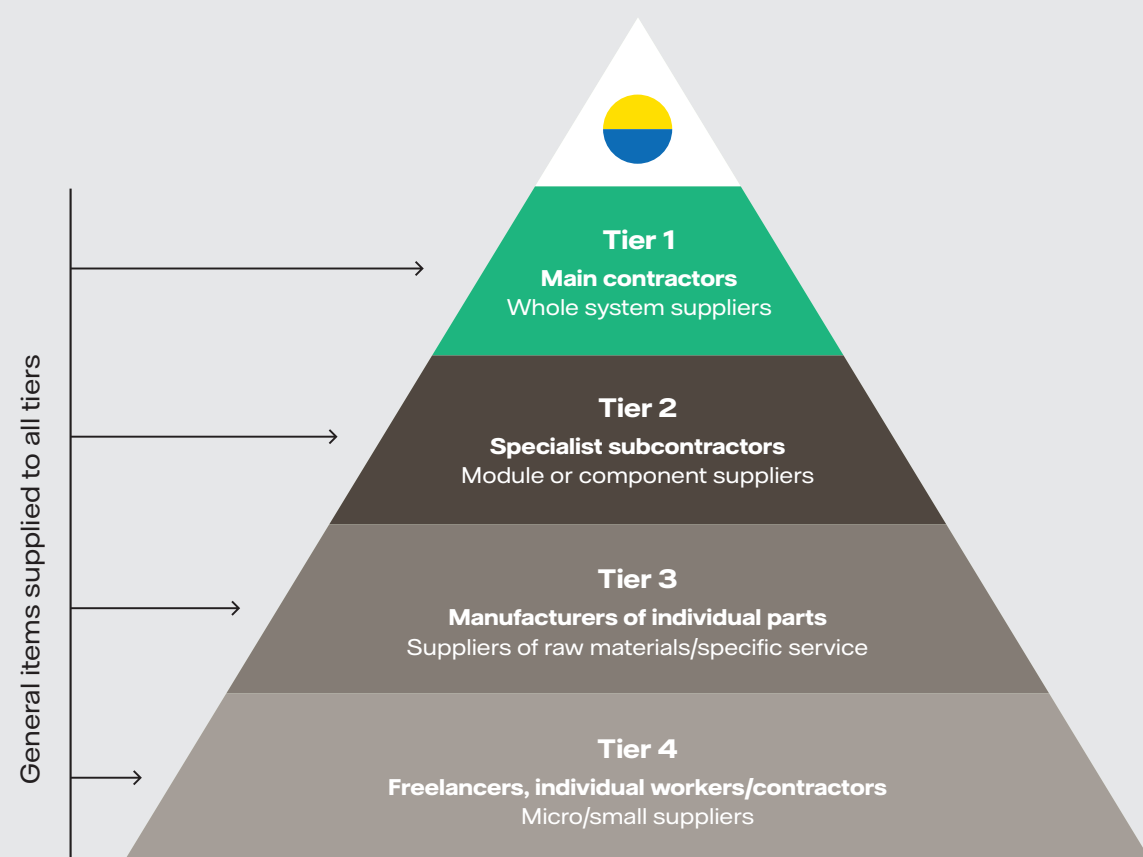


Register today!



Navigate the chain

This illustration explains in more detail the structure of the main contracts in relation to building a wind farm, and where your company might fit in the supply chain. Who do you need to talk to?



Tier 1

- Work directly for Vattenfall. In overall charge of delivery of whole package of work.
- Will usually be a large, very experienced business which is financially solid.
 - Must have a combined turnover which is 2-3 times the total value of the contract.

Tier 2

- Work for the main contractor. Contracted to deliver a specialised part of the works.
- Will include both large and small companies.

Tier 3

- Work for specialist subcontractors. Provide a service or parts/material connected to the contract.

Main work packages during the construction phase of a wind farm



Civil and Electrical Engineering



Forestry works



Site Investigation and Ecological Services



Turbine supply and installation



Breaking down the packages of work:

Accommodation
Aggregates
Archeological assessment
Batching plant
Borrow pit identification
Building materials
Cable laying and supply
Catering
Coatings/Paint/Painters
Community engagement
Concrete formers
Conduits
Courier services
Crane pads
CSCS cards
Data monitoring
Earthworks
Ecologists
Electrical design
Electrical installation
Electrical suppliers
Emergency equipment
Engineering consumables
Environmental management
Equipment cleaning
Events management
Excavation works
External platforms/stairs
Felling and haulage
Fencing
Fibre optics
Filming (inc drones)
Fire training
Foundation and track design

Foundation construction
Foundation fixings
Fuel storage and supply
General storage
Generator supply
Geological surveys
Geotechnical (drilling and testing)
Geotextile supply
GIS works
Grid connection study
Habitat surveys
H&S training
Heavy crane hire
HV equipment
HV interface
HV/LV electrical inspection services
Platforms/stairs/ladders
Land services
Legal services
Lighting
Locksmith
Mast decommissioning
Materials testing
Mechanical wholesalers
Media
Met mast permitting, installation hardware
Noise assessment
Office equipment
Onsite communications
Peat surveys
Plant hire
Ports/facilities
PPE supply
Recruitment
Reinforcing steel
Roadworks

Safety equipment
Scaffolding
Security
Signage
Site surveys
Site/welfare
Snow and ice clearance
Soil investigation
Specialist road haulage
Steel fixings
Steel reinforcing design
Telecomms
Temporary bridging
Timer processing
Timber supply
Tool hire
Track/cable layout design
Traffic management
Trenching
Vehicle maintenance/repair
Vehicle hire
Waste management
Water supply
Water/flood assessment
Water/pollution management
Welding
Welfare facilities
Wildlife surveys
Wind assessment



Construction phase

Tier 1 Contractors

Pre-Qualified Tier 1 Contractors will be assessed against responses to Vattenfall questionnaires on:

Quality	Finance	Health and Safety (HSE)	Environment and Sustainability (EnSu)
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Once assessed, contractors are asked to sign up to Vattenfall Code of Conduct for Suppliers and Partners, enter into NDAs and adhere to GDPR guidelines.

Contractors who successfully complete the PQQ process are approved to tender on Vattenfall projects and are valid for a period of 3 years.

Registration on Vattenfall Supplier Bank is audited by Achilles.

Roles within the construction phase

Quality	Forestry	Turbines	Environment	Project Management
<ul style="list-style-type: none">• Health and safety officer• Site engineer• General foreman• Machine operator• Dump truck operator• Gangers and labourers• Cleaner• Office admin• Site admin/costing• General operatives• Plant fitters• Concrete mixer driver	<ul style="list-style-type: none">• Forest machine operatives• Chainsaw operatives• Harvester operatives	<ul style="list-style-type: none">• Contractors rep• Project manager• Construction manager• HSSE manager/officer• Quality manager• Project planner• Project engineer• Installation manager• Lifting supervisor• Transport and logistics• Commissioning• SCAD engineer• Electrical engineer• Wind and site specialist• Wind turbine engineer	<ul style="list-style-type: none">• Ecological clerk of works• Ecologists• Hydrologists• Archaeologists	<ul style="list-style-type: none">• Project managers• Project planners• Financial controllers• Health and safety officers• Risk managers• Budget managers• Stakeholder engagement• Communication and liaison professionals• Lawyers





Simplified Solutions for StartUps and SMEs



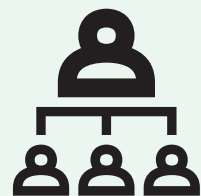
Simplified terms to improve collaboration with start-ups, niche companies, or small businesses.



Our simplified terms are designed to make it more attractive to co-operate with us and include, for example, shorter payment terms.



These terms are only available for innovative purposes for companies with an annual turnover <€1 million and with fewer than ten employees.



For companies who don't fit these criteria, building relationships, it is likely that you should consider contracting directly with Tier One companies.



We will also circulate attendance and observation from events such as supply chain events to Tier One contractors, and also expect them to report contractually on their efforts to engage with local suppliers.



An aerial photograph of a circular pond filled with lily pads, surrounded by a dense forest. The pond is a dark, circular shape in the lower right quadrant, with its concrete or stone rim visible. The water is covered with numerous green lily pads. The surrounding forest is a thick canopy of green trees, filling the rest of the frame. The lighting suggests a sunny day, with some shadows visible on the forest floor.

Innovation

Vattenfall welcomes ideas and opportunities and invites companies (including start-ups), individuals, Governments, and NGOs to collaborate within and outside our industry.

This will be necessary to reach our goal of fossil free living within one generation.

These could be ideas brought to us for specific collaboration or advantages highlighted to us during a tender procurement exercise.

We particularly welcome innovations that may reduce the levelized cost of energy or improve our environmental impact on climate, circularity, and biodiversity.

Examples could include fossil-fuel free fuels, low-carbon concrete or steel, materials reduction or recycling, materials innovation, or resource efficiency.

**Register your
company today.**



