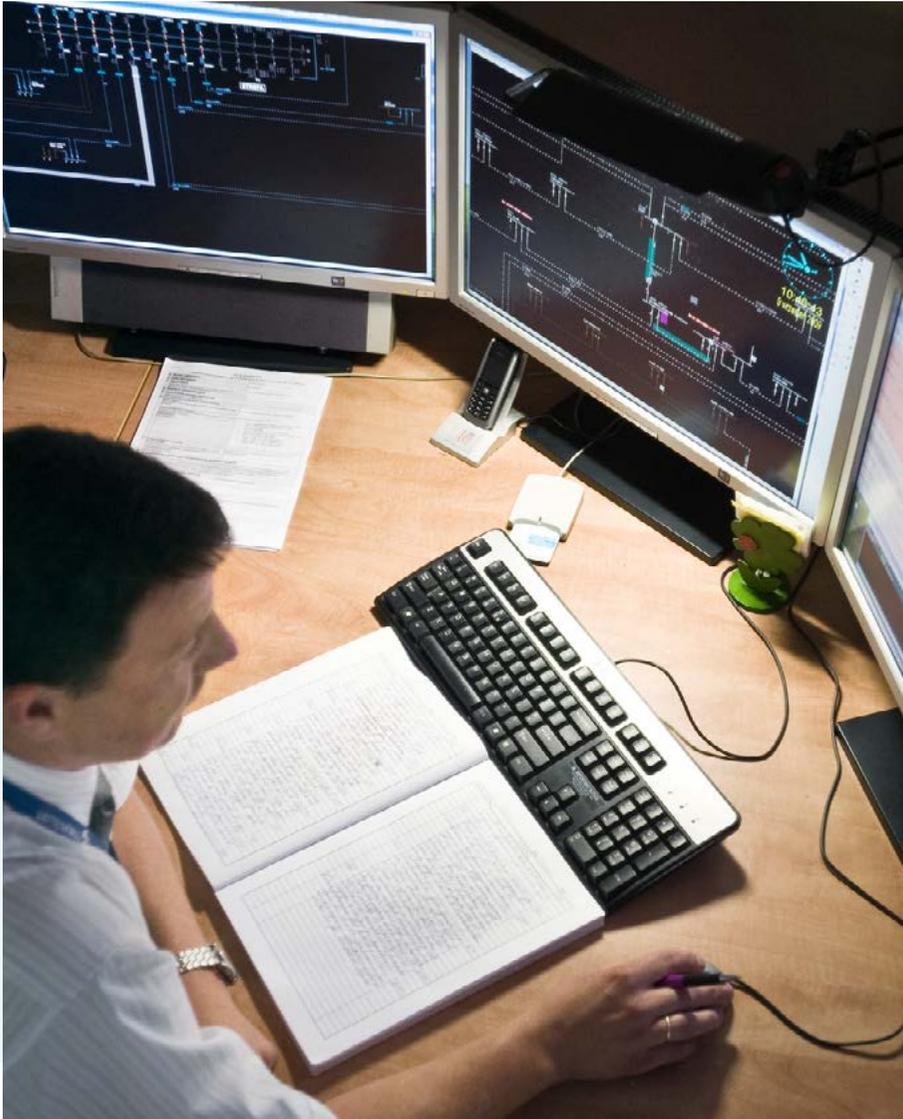


# Vattenfall IDNO - Grid Connections Consultancy



**At Vattenfall IDNO, we understand the UK grid connections environment in detail, which is why we've launched our Grid Connections Consultancy. We can help you obtain a grid connection faster and at a cost that doesn't burden your development.**

Our dedicated team of experts removes the pain of securing new and upgraded grid connections by providing bespoke consultancy, or managing the entire process on behalf of our clients from application to energization and ongoing operation and maintenance.

## **Experience counts**

Vattenfall has been designing and operating electrical distribution networks for over 120 years. We have almost 1 million electrical network customers and own, operate, and maintain a large estate of electrical power generation infrastructure, comprising over 140,000km of electrical networks.

Our Grid Connections team includes electrical engineers, project managers, grid specialists, legal, regulatory and policy advisors with significant experience of the challenges involved in complex grid connections which enables us to fast-track development time frames.

[Contact us now for support with your project.](#)

# Grid Connections Consultancy

## How Vattenfall IDNO can support your projects:

### 1. Power capacity assessments

Find out how much power is available in a particular location and initiate the process of applying for power. We will present you with the best available options to secure the power you need for your development.

### 2. Apply for a grid connection

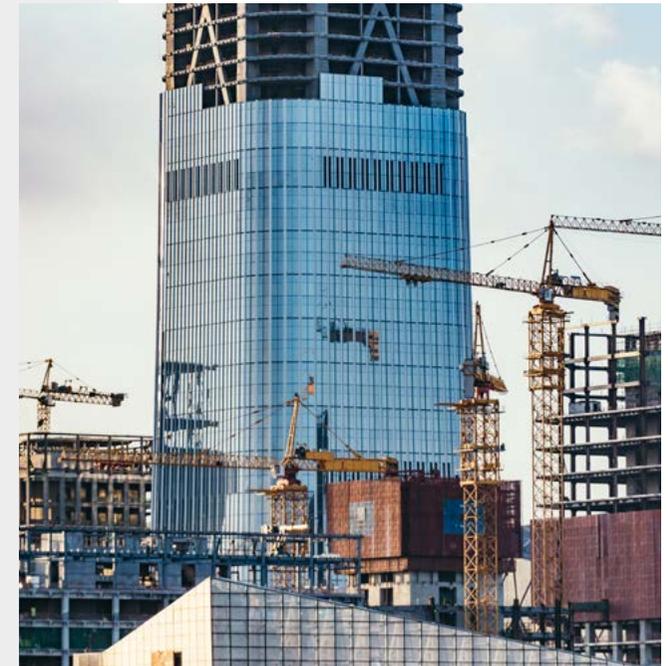
We will apply for an 'indicative' or 'firm' quote for your grid connection, on your behalf and present you with the available options. Firm quotes can incur extra cost, depending on the size of your required connection (LV/HV/EHV). We will provide you with clear pricing based on the scale of your project.

### 3. Developing your grid connection

We will secure your grid connection and value engineer your connection design to ensure you receive the best possible value for money, and manage the development process with the DNO.

### 4. Overseeing the on-site works

We can recommend an Independent Connection Provider (ICP) and liaise with them, and the DNO, on your behalf to ensure your connection is delivered on time.



**Whatever stage you are at with your project and grid connection requirements, Vattenfall's Grid Connections Consultancy team can help accelerate the process.**

## Get in touch

To discuss how Vattenfall can support your project

**Call: 020 7832 7998**

**Email: [UK-networks@vattenfall.com](mailto:UK-networks@vattenfall.com)**

**www: [idno.vattenfall.co.uk/contact](http://idno.vattenfall.co.uk/contact)**

# Grid Connections Consultancy

## Our service includes:

### **A customer focused approach and single point of contact:**

Grid connections require coordinating numerous different parties from landowners, Independent Connection Providers (ICPs), Distribution Network Operators (DNOs), National Grid, multiple legal teams and other contractors and suppliers. Obtaining the details you need from DNOs can be difficult at the best of times and frustrating without a specific point of contact. Vattenfall's Grid Connections Consultancy removes this complexity by providing you with a single point of contact who will manage all parties on your behalf.

### **Feasibility studies and preparation of grid applications**

A large part of any new development involves navigating UK grid availability to determine how much power is available where, and at what cost. Vattenfall can support your project from the feasibility phase, helping you to determine the most suitable locations and methods of connecting to the grid to ensure your projects are designed in the most cost-effective way – a service which your local DNO is not set up to deliver.

### **Expert oversight for safe, cost-effective connections**

Grid connection projects can often be delivered in a number of different ways. The solution, and offer, proposed by your DNO may not be the only way to achieve your goals. Before you accept an offer from your DNO, or a quote from an ICP, we will review every detail to ensure you're getting the best deal. Vattenfall's Grid Connections Consultancy team has the commercial and technical experience to propose alternative designs that reduce costs and are designed to future-proof your businesses' power requirements.

### **Pre-offer, pre-acceptance, post-acceptance, pre-construction and construction phase support**

Every grid connection project is different and can get stuck at any phase of the process. Whether you are just starting out, or part-way through a project and have hit roadblocks, Vattenfall's Grid Connections team can step in to support your goals.

### **Management of connections at high voltage (HV) and distribution and transmission (EHV) levels - anywhere in the UK**

From primary substations connected at EHV through to simpler HV connections Vattenfall has significant experience of navigating complex projects throughout the UK.

### **Compliance audits and management**

Grid connection requirements are constantly evolving, and it can be hard to keep up with the latest changes. Our dedicated team will advise whether your application is required to meet regulatory and compliance requirements such as G5/5, G98, G99, G100, P28, P29 and the Grid Code, to avoid your project being delayed.

### **Capacity reservation and flexible ramp rates**

IDNOs can reserve grid capacity on behalf of clients and release power capacity over extended periods to align with building and development project timeframes. Our Grid Connections team can explain the options and design your connection agreement to fit with your development plans and avoid locking up investment capital until it is required.

# About Vattenfall IDNO

Vattenfall IDNO provides an alternative to working with your local DNO. We adopt network infrastructure and pay developers an Asset Adoption Value.

We have developed trusted relationships with a network of ICPs who can provide fast response call outs in any area of the UK.

Working alongside your existing Independent Connection Provider (ICP), or via one of our partners, we review and approve technical designs and finance the latest climate-smart technologies to power your project.

## Our Services include:

- Grid applications
- H&S reviews / audits of contractors
- Procurement support
- Design supervision
- Adoption of new connection assets
- Capital provision on adoption
- Lifetime O&M for adopted assets
- Smart technology solutions for capacity constrained developments



## Why choose Vattenfall IDNO?

- We understand complex grid connections
- We have a wealth of experience working with DNO's and National Grid
- We have a wide network of responsive O&M providers across all areas of GB
- We have a dedicated team and will provide you with a single point of contact
- We are market leading for timely project delivery
- We have world class supply chain support for infrastructure resilience
- We provide design services to enable your connection designs to be modified

**With complimentary businesses providing district heating, on and offshore wind power, and Power Purchase Agreements (PPAs) Vattenfall is able to help clients navigate complex multi-service projects.**

## Get in touch

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# What is the difference between a DNO and an IDNO?

Distribution network operators (DNOs) are companies licensed by the Office of Gas and Electricity Markets (Ofgem) to distribute electricity in specific areas of Great Britain.

DNOs distribute electricity from the transmission grid to homes and businesses in fourteen geographical areas of Great Britain. The Utilities Act 2000 prevents DNOs from supplying electricity; this is done by separate electricity supply companies, chosen by the consumer.

In order to increase competition in the electricity distribution market, and to keep bills low for the consumer, Ofgem licences Independent Distribution Network Operators.

IDNOs provide an alternative route to connect to the electricity grid with the advantage of an Asset Adoption Value payment.

IDNOs can work anywhere in Great Britain and are responsible for managing and operating their local networks, including all future maintenance and fault repairs.

IDNOs have the same obligations and performance standards as DNOs. Ofgem regulates the amounts that IDNOs can charge their customers for using their networks via a 'Relative Price Control'. This requires IDNO charges to be capped for all customers at a level broadly consistent with the DNO equivalent charge.



## Only IDNOs can offer Asset Adoption Value payments

To create and promote competition in the connections market Ofgem allow IDNO's to use future revenues from their networks to help subsidise the initial costs of new network projects.

This Asset Adoption Value can be very attractive to companies that need a new grid connection because it reduces the total capital costs required. DNOs cannot discount in this way.

**1. A developer** builds a new project, using qualified contractors, such as ICP's for the connection.

**2. Vattenfall IDNO** adopts the network paying a fee to the developer/owner.

**3. The fee** is based on the future revenue of the network and is known as the Asset Adoption Value.

