



A company with purpose and vision

At Ørsted, we believe in a world that runs entirely on green energy. Climate change is one of the biggest challenges for life on Earth. Today, the world mainly runs on fossil fuels. We need to transform the way we power the world: from black to green energy.

Headquartered in Denmark, and with over 1000 employees in the UK, we create market leading green energy solutions that benefit the planet and our customers alike. We develop, construct and operate offshore wind farms, bioenergy plants and innovative waste-to-energy solutions and provide smart energy products to our customers.

Over the last decade we have undergone a truly green transformation. We have divested our oil and gas production business and, by 2023, we will have replaced coal with sustainable biomass in our power stations across Northern Europe, reducing our carbon emissions by 96%.

We are taking real action to make our vision a reality.

Investing in local communities

Across the UK, we are supporting the communities in which we work through grants, donations and sponsorships. We have committed to a three-year long partnership to help to fund the running costs of seven Royal National Lifeboat Institution stations around the country, and have committed approximately £1.3 million per year to our three Community Benefit Funds, which are supported by our wind farms along the North East and North West coasts of the UK. We ring fence part of these funds to support local training and skills development. We also help to encourage the study of Science, Technology, Engineering and Maths (STEM) in schools local to our wind farms through initiatives such as our three-year partnerships with the Natural History Museum and the educational charity Teach First.

Promoting a diverse workforce

At Ørsted, we want to influence positive change on diversity and inclusion within our industry, so we continue to attract the best minds to help us realise our ambition. We are committed to achieving the industry target to increase the number of women in our industry by 33% by 2030, with an aspiration of reaching 40%. We are a founding sponsor of POWERful Women and are actively involved in a number of national and regional programmes focused on encouraging more women into the industry, including the WISE campaign and Women into Manufacturing and Engineering (WiME). We have also introduced a number of new policies and targeted initiatives to support and develop our employees.

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Ørsted

June 2019

Ørsted in the UK



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Let's create a world that runs entirely on green energy

#takegreenaction

Ørsted in the UK

Offshore wind power: the UK leading the way

Ørsted is the global leader in offshore wind power and the UK is a vital market for us. Not only does the UK lead the world in offshore wind, with 34% of the world's installed capacity¹, but it is also our largest market. We currently own or operate 11 operational wind farms and a further two are under construction. By 2021, we will have invested over £13 billion in the UK building our offshore wind farms. We are committed for the long-term, both to leading the change to green energy, and to investing in the communities where we work.

Today our 11 UK offshore wind farms produce around 3.7 GW, enough to power over

3.2 million homes.

By 2022 our pipeline of projects will see us provide enough power for over

5.5 million homes².

Investing in battery storage technology

At Ørsted, we believe that battery storage will play a crucial part in the future energy system as more of our energy starts to come from renewable sources. That is why we have invested in our first commercial-scale battery storage project, Carnegie Road in Liverpool, in addition to integrating a battery storage device into our Burbo Bank Offshore Wind Farm. These projects, both located in Merseyside, will help to keep the UK's electricity grid balanced.



* Ørsted has a 25% ownership share in London Array, which is operated by London Array Limited.

¹ UK's percentage of global offshore wind capacity (GWEC, 2019) Source: <https://gwec.net/wp-content/uploads/2019/04/GWEC-Global-Wind-Report-2018.pdf>

² We have based this on the BEIS 5-year average load factor of 38.6% and a household consumption of 3,828 kWh per year. Source: BEIS DUKES (2018), BEIS ECUK (2018)

Driving down the cost of offshore wind

In 2017, the UK Government awarded us a contract to build Hornsea Two, the world's largest offshore wind farm, at a price of £57.50 per MWh. This represents a 50% drop in price from the contracts awarded two years earlier. The optimum scale of the wind farm, added to Ørsted's many years of experience and the industry's maturing technology, made this landmark price possible. We are also able to maximise our efficiency by operating multiple wind farms from our East Coast Hub in Grimsby.

Building the world's largest offshore wind farms

In September 2018, Ørsted inaugurated the world's largest offshore wind farm off the Cumbrian coast. The 659 MW Walney Extension is capable of generating enough green energy to power almost 600,000 UK homes.

We are also constructing Hornsea One and Two in the North Sea. At 1.2 GW, Hornsea One will take the title of the world's largest offshore wind farm when it becomes operational in 2020, before being overtaken by the 1.4 GW Hornsea Two in 2022. Together, these two offshore wind farms will supply enough power for over 2.3 million UK homes.

- Wind power in operation
- Wind power under construction
- Wind power in development
- Battery storage
- Operations and Maintenance Base
- London office

Bringing benefits to the UK

As we build our offshore wind farms, we bring tangible benefits to the UK, in addition to green energy infrastructure. We are not only creating thousands of jobs during the construction phase, but also offering long-term, skilled work in towns and cities such as Barrow, Grimsby and Liverpool, where we base our operations. We have invested over £14 million in building our East Coast Hub in Grimsby. The state-of-the-art facility, which supports over 350 individuals, is a world-class example of offshore wind operations.

Developing our future work force

As a major UK employer, we are committed to developing people with the right skills to meet the UK's offshore wind ambition. We have partnered with the Grimsby Institute and Furness College to offer a new wind turbine technician apprenticeship on the East and West Coast. On completing the three-year programme, our apprentices will become full-time employees.

Supporting the UK supply chain

We are helping to support a growing UK supply chain. In the past five years alone, we have placed major contracts with nearly 100 UK supply chain companies and many hundreds more through our wider supply chain.

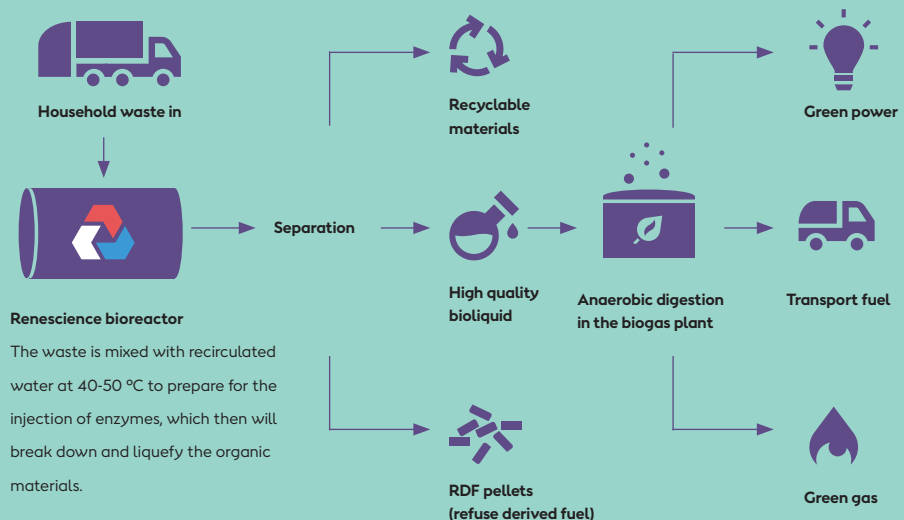
Thanks to our pipeline of orders, major construction components such as turbine blades, transition pieces and towers can now be manufactured in the UK, helping to create and safeguard skilled jobs. We are also seeing our UK supply chain exporting to our projects across the world.

Renescience: the circular economy in action

At Ørsted, we have developed Renescience, an exciting first-of-a-kind technology that increases recycling rates whilst simultaneously producing green energy. The technology achieves 100% diversion from landfill by using enzymes to treat household waste, breaking down all organic material, such as food waste, labels and food that adheres to packaging and cans. The process produces cleaned, high-quality recyclable materials, which are separated, and sent for recycling. It also produces bioliquid which is drained to produce biomethane which can be used to create green energy or used as a green transport fuel.

The first full-scale Renescience plant is opening in 2019 in Northwich, Cheshire. It will treat 120,000 tonnes of household waste a year.

How does the Renescience technology work?



B2B energy supply: helping businesses to save time, money - and the planet

As a leading supplier of electricity and gas to UK businesses, we support the energy transformation in the UK. By making it easier for businesses to become smarter with their energy consumption and generation, we can help guide them to a more sustainable energy future.



Green energy

Buying 100% renewable electricity and gas helps our customers to reduce their carbon emissions. It also supports their Corporate Social Responsibility (CSR) strategies, offering an ethical choice for their energy supply.

We supply businesses with 100% renewable electricity, through contracts fully backed by Renewable Energy Guarantee of Origin (REGO) certificates. This provides the visibility and evidence to report zero scope 2 carbon emissions in Greenhouse Gas (GHG) reporting. We can also offer businesses a Corporate Power Purchase Agreement. This long term (4 years plus) agreement provides renewable electricity directly from one of our UK wind farms. A fixed price for the electricity gives budget certainty, while allowing businesses to support the development of the UK renewable infrastructure.

We offer green gas (biogas), which comes from renewable sources and is supported by guaranteed gas certificates of origin (RGCs) for complete traceability. These give near-zero emissions reporting for GHG. We can also offer carbon neutral gas, which provides carbon offset options through investment in Gold Standard or Verified Carbon Standard-accredited projects.



Cost-effective

Our aim is to help businesses reduce their organisation's carbon footprint cost effectively, while boosting their CSR credentials. As well as renewable energy, we offer customers smart tools to help them manage their energy flexibly, along with risk management and energy advisory services.