

Dogger Bank, United Kingdom 2023 | 3.6GW

Case study

While we actively participate in developing comprehensive testing standards for wind asset solutions, the most important measure for a coating's performance is through extensive in-field operation. This is why we present one of our track records to you along with the challenges we helped overcome.

The world's largest offshore wind farm*

Specialised wind asset protection

Harsh North Sea conditions



Connecting the dots

* At the time of construction
Image used for illustrative purposes only

Dogger Bank Wind Farm

Protecting the world’s largest offshore wind farm*

AkzoNobel’s heavy-duty coatings from its International® range are part of building the world’s largest offshore wind farm*. The 3.6 GW Dogger Bank offshore wind farm project will be capable of powering up to 6 million homes annually. A project of this size and location brings with it several challenges which were all overcome by using a market leading offshore coatings brand.

Nearly 2 million litres of International® coatings are being used on 277 offshore wind energy assets, located between 130km-190km off the North East coast of England. The world-leading project is a collaborative effort between SSE Renewables (40%), Equinor (40%) and Vargronn (20%).

Since the wind industry began more than 40 years ago, AkzoNobel continues to set the industry standard and lead the way with our extensive International® product range, which has been integral to offshore projects. Paired with technical expertise, AkzoNobel provides a ‘tip-to-toe’ approach to offshore wind asset protection, ultimately supporting all stakeholders and continuously raising the bar.



Image used for illustrative purposes only

The project

The Coastal Virginia Offshore Wind (CVOW) is split into a Dogger Bank wind farm is an offshore wind farm being developed in three phases – Dogger Bank A, B and C and collectively they will become the world’s largest offshore wind farm.

Each phase will have an installed generation capacity of 1.2GW, with a combined capacity of 3.6GW and represents a multi-billion pound investment. When the planning began, other brands had been considered for the project but AkzoNobel’s International® brand had been chosen because of the total solutions we offer and our continued trusted partnership.

Our products

AkzoNobel was chosen to provide protective coating solutions for the transition pieces and monopiles.

Interzone® 954 and Interzone® 1000 coatings from the International® brand ensure Dogger Bank’s wind energy assets are kept in optimum condition, providing essential corrosion protection and long-term structural integrity.

Interzone® 1000 meets the ISO 24656 specification standard on the use of a minimum 20% lamellar, non-micronized glass flake epoxy for category V corrosion protection, which is the highest performance category and the lowest breakdown factor for the entire lifetime expectation.

Interzone® 954 provides exceptional barrier protection, abrasion resistance and high film build. These benefits lead to less costly repairs and touch-ups.

® Registered trademark of AkzoNobel in one or more countries.

Project details	
Focus product	Interzone 954, Interzone 1000, Interthane 990, Intergard 269, Interzinc 52E, Intergard 345, Interthane 870
Year of project	2022
Location	United Kingdom
Project owner	SSE Renewables / Equinor / Vargronn
Fabricator	SIF / Van Ginkel / Smulders
Project size	3.6GW

The results

This case study is an example of how AkzoNobel connects the dots by combining its capabilities in driving sustainability, quality, and performance, with its specialised wind asset protection, and its focus on product innovation and development.

This specific project development is especially important given its size and continuing the positive reputation of the International® product range. It marks an important milestone in AkzoNobel’s efforts to become the market leader for offshore wind in the UK.

In 2022, it was announced that Dogger Bank A, B and C would be expanded to add an additional wind farm Dogger Bank D. Aad Bosselaar, Key Account Manager in Power and Infrastructure at AkzoNobel, says:

“It’s a real privilege to be involved in such an ambitious project of this size and scale. It’s essential that wind energy assets are equipped for the long term as we move towards a more sustainable future. AkzoNobel’s range of high-quality coatings cater for all aspects of a wind energy asset from tip-to-toe and are the foundation of building these long term track records.”

Connecting the dots - unleashing the full power of wind energy.

* At the time of construction only