



Powering **half a million homes** with green energy.

You can too.

DHI are the first people you should call when you have a tough challenge to solve in a water environment – be it a river, a reservoir, an ocean, a coastline, within a city or a factory.

Our knowledge of water environments is second-to-none. It represents 50 years of dedicated research and real-life experience from more than 140 countries. We strive to make this knowledge globally accessible to clients and partners by channelling it through our local teams and unique software.

Our world is water. So whether you need to save water, share it fairly, improve its quality, quantify its impact or manage its flow, we can help. Our knowledge, combined with our team's expertise and the power of our technology, holds the key to unlocking the right solution.

The expert in **WATER ENVIRONMENTS**



Local solution

About 20 km off England's Kent and Essex coasts, spread over a 100 km² area in the Outer Thames Estuary is the **1 GW London Array Offshore Wind Farm** – the world's largest. At full capacity, its 175 wind turbines will generate 630 MW of electricity – enough to power half a million homes.

The Thames has a complex underwater shape, large tidal variations, strong currents, wave condition variations and challenging weather conditions. In order to successfully plan and install the wind farm's foundations and turbines, high-quality, reliable Metocean data was vital.

To help London Array Ltd. (the consortium undertaking the project) predict the best weather windows for construction works, we developed a **customised Metocean forecasting system**. Our robust, real-time system delivered the latest information by Internet and email. This enabled London Array Ltd. to **optimise the construction of their offshore wind farm, minimise delays and ensure worker safety**.

Global knowledge

Offshore construction can be **risky and expensive**. To keep expenses low and protect workers, companies need to know exactly what conditions they will face at sea.

Our accurate Metocean forecasting system provides the **information required to make the best decisions**. Using our 30 years of experience working on major offshore construction projects around the world, we can develop a tailored Metocean forecasting system to meet your unique needs.



More information on this solution,
www.dhigroup.com/Publications/DHISignatureProjects/LondonArray.aspx



Contact us, marketing@dhigroup.com
Visit us, www.dhigroup.com

The expert in **WATER ENVIRONMENTS**

