

# Pioneers in the wind industry with a wealth of off shore wind experience

Unparalleled experience, a personal touch, and in-depth knowledge are the hallmarks of EMD International A/S, which provides services in the area of wind energy consulting through all phases of wind farm construction. The company, based in Aalborg, North Jutland, takes pride in being able to tailor its services to customers' specific needs.

BY ANTHONY LIBERTO

**E**MD International A/S was founded in 1986 and is owned by the Danish independent Energy and Environmental Data foundation. The company draws on more than 30 years of experience to help customers design wind farms throughout the world.

## Uncovering value through analysis

For EMD International A/S, offshore consultancy is a natural extension of the wind condition prediction and wind park production estimates they have specialized in for more than three decades. Core offerings cover design, layout optimization, and energy yield calculations. Aided by inhouse developed modeling software, they are also able to evaluate various aspects of environmental impact, including visualisation, acoustic and shadow flicker assessments.

Accurately modeling wakes is essential to predicting production. EMD International A/S recently placed first among 12 of their peers in the Offshore Wind Accelerator (OWA) Wake Modelling Challenge.

- Our model choice and settings achieved the smallest bias and the lowest mean absolute error, says Wiebke Langreder, Head of Wind Consulting at EMD.

- Of course, this makes us very proud

since wake models are one of the hottest topics when it comes to energy predictions offshore.

## International reach and cooperation

EMD International A/S has consulted on wind farm projects for countries in the North Sea region, the Atlantic and Baltic seas as well as in China. As a leading expert in wind farms, they are currently working on a project contracted by Carbon Trust with their consortium partners, Oldbaum Services (UK), and Fraunhofer IWES (DE). The aim is to understand the different approaches when comparing pre-construction energy yield assessments to post-construction analysis in offshore wind. The project, "State of the Art and Standardisation of Pre- and Post-Construction Energy Yield Analysis (EYA)," runs through 2020.

## Putting people first

The small, dedicated team at EMD International A/S offers quicker response times and better communication with their clients than large multinationals can offer.

- We take pride in the close personal contact with our customers and the individualized service that allows us to offer, says Wiebke Langreder.

## ABOUT EMD INTERNATIONAL A/S

The company has its main office in Aalborg, Denmark, and regional sales and support offices in Germany, France, Spain, the United Kingdom, Turkey, the United States, Brazil, Argentina, and China.

In addition to pre/post-construction and EIA consulting, EMD International A/S offers commercial software solutions for the design, planning, and operation phases of renewable energy projects.

EMD International A/S offers a variety of training options tailored to companies and teams in any phase of their wind resource assessment process.

**Arrange a meeting with EMD International A/S at WindEurope Offshore 2019 in Bella Center the 26th to 28th of November:**  
sales@emd.dk

