## Make Denmark Your Port Of Entry To Europe For Wind Energy Business

The global wind industry is navigating through rough waters. On the one hand, commitments made by countries to be carbon neutral and on the other is price pressure from project developers, which trickles down to its suppliers in the supply chain. Pressure to be more efficient and innovative, build bigger wind turbines, competition from other OEMs & respond quicker to market demands is being felt greater than ever. The industry is further facing headwinds with disruption in supply chain and logistics due to COVID and current geo-political situation in Europe.

To address all these issues, OEMs globally are consolidating their supply chains and looking at Tier-I suppliers to collaborate, share the cost of R&D and create resilient supply chain for their global footprint. The pressure to reduce components price has brought OEMs looking to collaborate with components manufacturers globally, especially from Asia.

Due to the ongoing geo-political and economic situation globally, OEMs are also looking to reduce the risk of being dependent on a single location and diversifying their supply chain. This has brought global OEMs to consider Indian suppliers due to lower manufacturing costs, availability of well-educated, skilled talent with English speaking ability. This has also resulted in many global wind OEMs making large investments in India to setup part of their global manufacturing facilities. Having stood strong during the tough times of COVID, delivered quality output under tight timelines, the Indian suppliers have built trust among them.

#### **Denmark: A knowledge hub for Wind Energy**

As you might already know, Denmark has a history of building and using wind energy commercially for more than 40 years. An initiative that started to make Denmark self-reliant for energy has helped create a strong knowledge hub and vibrant eco-system for both on-shore and offshore wind energy. These eco-systems includes corporations (both local and global, big and small), educational institutions, R&D and test centres, skilled workforce, etc. across the wind value chain.

The Danish govt., private organisations and public in Denmark have always prioritized climate change. This has led to enabling climate friendly businesses in Denmark, especially in the Wind industry. Political leadership, Policy & regulatory support, Market access, Business environment, among others are all the parameters that ensure wind industry is thriving in Denmark.

### TOP COMPANIES IN DENMARK

Six of the Top 10 Global wind energy companies are present in Denmark:

- Vestas
- Siemens Gamesa
- Goldwind
- Envision
- GE Renewable Energy / LM Wind
- Shanghai Electric

#### MAJOR OFF-SHORE WIND DEVELOPERS BASED IN DENMARK

- Orsted
- CIP
- Vattenfall
- RWE

The wind eco-system in Denmark covers the entire service value chain:

Consulting and Certification

planning and Park Design Financing and

Transportation and Installation Operations, Service and Maintenance Nettransportation and EL sales Marketing Analysis and Exhibition Service

Foundations and Structure Developers and Owners

#### The supply chain in Denmark:

Materials and Raw Materials Mechanical Components and Generators Towers and other Steel Processing

Blades and Blade Technology Control Systems and Electrical Nacelle Manufacturing and Assembly

Total Turbine Design

#### **Silicon Valley for Wind Energy**

Following are the reasons why global wind energy companies strategically consider Denmark:

- · Huge talent base for Wind industry both on-shore and off-shore
- Excellent facilities for R&D and Testing Global hub for technology development
- · Access to entire wind energy value chain
- Access to market, closer to customers, partners, suppliers and developers
- · Favourable framework conditions with support from stable political environment

#### **About Invest In Denmark**

Invest in Denmark (IDK) is Denmark's National Investment Promotion Organization anchored in the Trade Council (TC) under the Ministry of Foreign Affairs (MFA).

At IDK, we attract and retain foreign investments in Denmark by providing customized one-stop service to foreign companies that are looking to set up or expand their business in Denmark.



An image of 14MW wind turbine at Osterild Test Centre, Denmark.

#### **Contact:**

For more details, please visit - https://investindk.com/

#### OR

Write to Mr. Gautam Mohan, Investment Manager -CleanTech, Invest in Denmark at gaumoh@um.dk.

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