

8 hours of compressed impartial on-line and self-paced training course

Offshore Wind Energy – a thorough introduction

Theme	Lecturer
<p>Introduction and welcome webinar - 60 min live webinar</p> <p>Introduction to Offshore wind energy. Wiebke will give a presentation on the Offshore wind developments until today with a focus on the situation in Denmark and a look out to other countries.</p> <p>Torben will present the content of the courses and introduce the learning platform: How to benefit most from this course – how to get most value 😊. Questions, comments, and guidance</p>	<p>Wiebke Langreder, Head of consulting, EMD LinkedIn Profile <i>Active in renewable energy industry since 1996, mostly in wind resource assessment, with working experience in Denmark, Germany, and UK. In executive function since 2012. Technical and administrative responsibility for international teams of up to 26 engineers across seven countries.</i></p> <p>Torben Kirkegaard, Founder and Chief Education Officer of Energy and Climate Academy LinkedIn Profile</p>
<p>Lesson A - Wind and how it works</p> <ul style="list-style-type: none"> • How does wind work. • Why windspeed is important • How to measure wind .. and offshore • How to long-term correct • How to calculate AEP • Concept of losses: P50 • Concept of uncertainties: P90 	<p>Wiebke Langreder, Head of consulting, EMD LinkedIn Profile</p> <p><i>Active in renewable energy industry since 1996, mostly in wind resource assessment, with working experience in Denmark, Germany, and UK. In executive function since 2012. Technical and administrative responsibility for international teams of up to 26 engineers across seven countries.</i></p>
<p>Lesson B - World offshore wind market</p> <ul style="list-style-type: none"> • The global market and trends • The European market • New markets, USA, and Asia 	<p>Hans Schneider, CEO World Marine Offshore LinkedIn Profile</p> <p><i>Top manager bridging the gap between the strategic / commercial and technical / operational challenges. Strong where extraordinary leadership is required. E.g. in connection with consolidation, growth, and complex risk management, both commercial and operational.</i></p>

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<p>Lesson C - Building a project – in reality</p> <ul style="list-style-type: none"> • Time schedule and scope • Survey and site data • Foundations and Turbines • Installation method • Cables and Substation • Operation and maintenance and inspection 	<p>Hans Schneider, CEO World Marine Offshore LinkedIn Profile</p> <p><i>Top manager bridging the gap between the strategic / commercial and technical / operational challenges. Strong where extraordinary leadership is required. E.g. in connection with consolidation, growth, and complex risk management, both commercial and operational.</i></p>
<p>Lesson D – Project logistics</p> <ul style="list-style-type: none"> • What do we need to manage – basic parameters • Load in/out harbour • Support vessels and commissioning logistics 	<p>Hans Schneider, CEO, World Marine Offshore LinkedIn Profile</p> <p><i>Top manager bridging the gap between the strategic / commercial and technical / operational challenges. Strong where extraordinary leadership is required. E.g. in connection with consolidation, growth, and complex risk management, both commercial and operational.</i></p>
<p>Lesson E - Offshore wind turbines principles</p> <ul style="list-style-type: none"> • Many differences between onshore and offshore • Turbines • Installation • Access • The tubular steel towers • Blades • Cooling systems 	<p>Lars Høst Johansen, Senior specialist, Orsted LinkedIn Profile</p> <p>Lars worked with Vestas from 2004 – 2012 as a Product Engineer and has since work in different positions at Orsted.</p>

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<p>Lesson F - Offshore wind turbines, foundations, and balance of plant</p> <ul style="list-style-type: none"> • Wind classes / turbines • Which elements are below the turbine? • Different wind farms • From 450 KW to XX MW 	<p>Lars Høst Johansen, Senior specialist, Orsted LinkedIn Profile</p> <p>Lars worked with Vestas from 2004 – 2012 as a Product Engineer and has since work in different positions at Orsted.</p>
<p>Lesson G - Safety, GWO courses and certificates</p> <ul style="list-style-type: none"> • High safety standards • About GWO • The GWO courses and certificates 	<p>Lars Høst Johansen, Senior specialist, Orsted LinkedIn Profile</p> <p>Lars worked with Vestas from 2004 – 2012 as a Product Engineer and has since work in different positions at Orsted.</p>
<p>Wrap up and Q&A Webinar - 60 Min Live webinar</p> <p>Take part in a live Q & A session where questions to all the videos and directly to the lecturers. Here we will also share ideas for further readings on the learning platform</p>	<p>Wiebke Langreder</p> <p>Hans Schneider Larsen</p> <p>Lars Høst Johansen</p> <p>Torben Kirkegaard</p>