



Offshore Wind Energy MBA: Innovative Project Management

Hochschule Bremerhaven, Bremerhaven, Germany
& Business Academy Southwest, Esbjerg, Denmark

Teaching language: English	ECTS/weighting: 5 ECTS / 0.083 Full-time equivalent
Period: Autumn 2020	Approved: 25.03.19
Offered in: Hamburg, Germany	Tuition Fee: 2000 EUR

Subject director:

Prof. Dr. Wolfgang Lukas, University of Applied Sciences Bremerhaven

Lecturer:

Björn Fagerström, Professor at Mälardalen University, Managing Director of Inocean AB
Niels Bjært, who has broad experience from the offshore wind business from projects like Danish Kriegers Flak, Sandbank in Germany, Westermeerwind in Holland and London Array

Prerequisites:

A bachelor or other equivalent degree combined with two years' work experience from the energy or offshore sector.

Course Theme

Traditional project management courses teach systematic approaches to project planning. This is a strength but also a disadvantage. The course aims at giving the students the ability to adapt project planning to a specific environment. By bringing in innovative thinking in project planning a project model tailored for the firm can be established between the outer ends of the traditional project management theory: Water fall models and adaptive project management. The module combines the aspects of innovation and HRM to make project management a leadership tool.

Due to the current challenges within the wind industry the course will focus on designing the project management models necessary to cope with all phases in an industrial project, including all life cycle phases of an offshore installation, from design, to installation, testing and later decommissioning.

Aim & objectives

The aim is to develop a tailored project management model, which is evolved around the challenges and processes in a specific firm, including among others:

- Project management theory; Including tools and methods
- Analysis of project management requirements in a specific firm
- Design of project models adapted for specific industrial conditions
- Project management standards; Including Agile and Lean principles
- Life cycle aspects to be managed; From design to decommissioning
- Norms and regulation; Including third party approval



- Project planning; Including governance, progress monitoring and Visible Planning
- HRM in a project environment; Including leadership and knowledge management
- Manage innovation processes
- Communication and its role in project management
- The course will also to some extent include other critical parts for project management; *Change Management, Risk Management, Contract Management, HSE/QA, Close-out and hand over, lessons learned, Decision Making, etc.*

Content

The course content is primarily designed through the study of standards, industry needs, how to tailor project models to specific challenges, innovation exercises in design of project standards. The Course includes the basic elements for future certification according to PMI and the content in PMBOK (6th edition), with the agile practise guide.

Teaching methods

- Innovative teaching methods: We strive for actual competences needed in the industry - a “bookless MBA”. Reading and study is done at home for class preparation. During class actual consultancy tasks and problems will be presented and the MBA students will apply theory in a real time scenario and solve actual problems for the partner firms.
- Self-study: We expect the participant to hold a high degree of self-discipline and show up well prepared and motivated for sharing knowledge.
- Forum, chat and messaging: All students can get in contact with lecturer and fellow students and discuss, elaborate and clarify issues, ask questions and exchange views.
- Live cases will be analyzed in order to prepare the students/participants for future leadership requirements within wind energy.
- Students will meet physically during the module, maybe several times when required, and solve actual problems raised by partner firms. Geography will depend on the participants.

Time of classes and location:

One module consists of two workshops á two teaching days:

- October 06th and 07th, 2020 at DNV GL (Headquarter Maritime), Brooktorkai 18, 20457 Hamburg, Germany (location tbd)
- November 17th and 18th, 2020 at DNV GL (Headquarter Maritime), Brooktorkai 18, 20457 Hamburg, Germany (location tbd)

Examination

- Active involvement during physical workshops
- Oral and written presentation of assignments (including eventual updates)
- Reflection over the course and Feedback
- The examiner will be Prof. Björn Fagerström

Comments:

The course is limited to a maximum of 15 participants. Places are assigned on a first come, first served basis.

For more information, please contact:

Prof. Dr. Wolfgang Lukas, University of Applied Sciences Bremerhaven, w.lukas@hs-bremerhaven.de