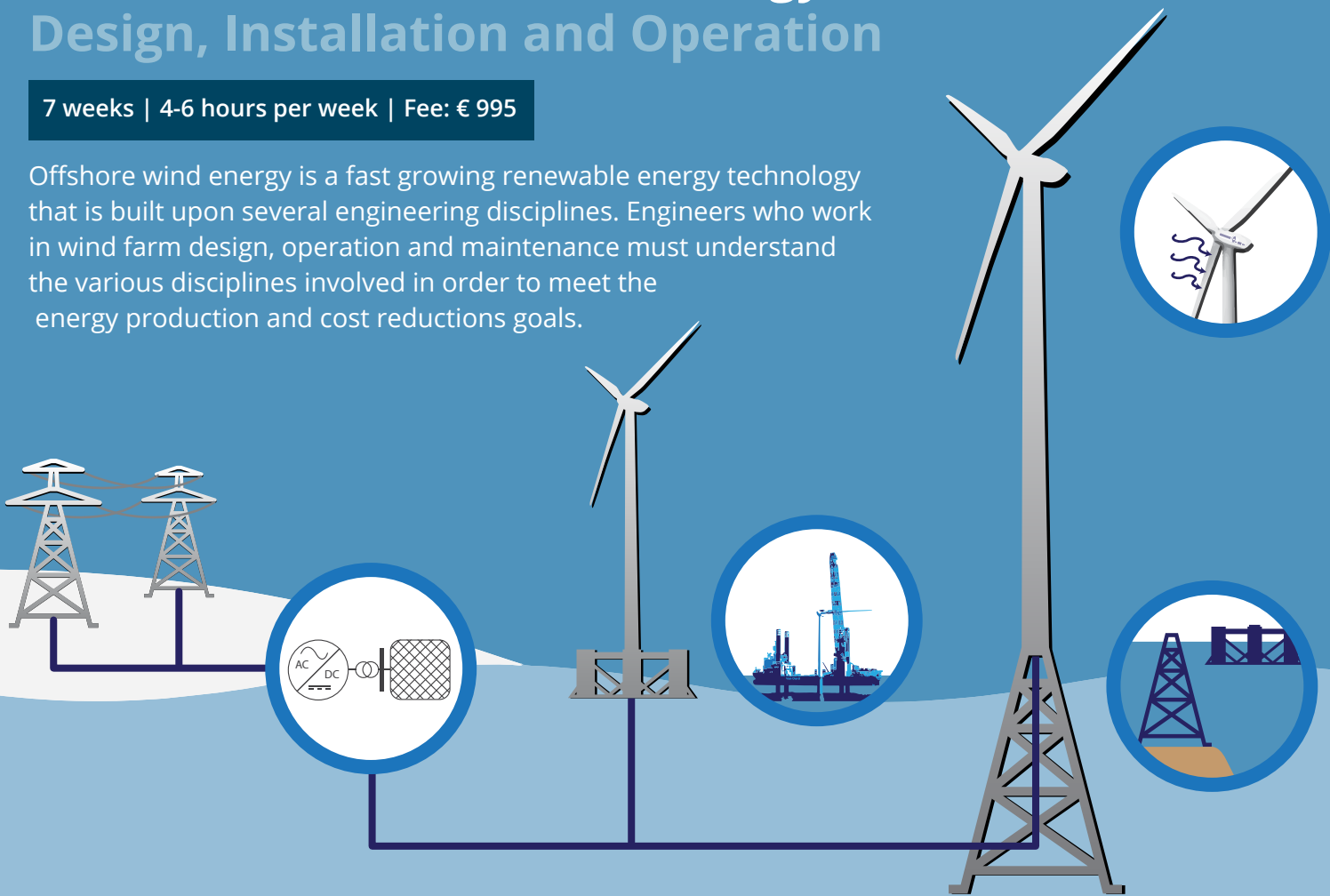


ONLINE COURSE

# Offshore Wind Farm Technology: Design, Installation and Operation

7 weeks | 4-6 hours per week | Fee: € 995

Offshore wind energy is a fast growing renewable energy technology that is built upon several engineering disciplines. Engineers who work in wind farm design, operation and maintenance must understand the various disciplines involved in order to meet the energy production and cost reductions goals.



The online course **Offshore Wind Farm Technology: Design, Installation and Operation** was designed with these needs of working professionals in mind. It is aimed at professionals who seek a broad understanding of the technical aspects of offshore wind farms. In the course, **wind energy** experts will cover aerodynamics, power production, and wake effects; **electrical engineering** experts will touch upon connection to the grid and electricity conversion; **civil and mechanical engineering** experts will cover the various support structure topologies and respective interactions with the soil.

## At the end of the course you will:

- Understand how the various technical disciplines interact with one another
- Be able to select the best options for developing and operating offshore wind farms
- Grasp how wind turbines are designed to handle various conditions
- Describe grid integration strategies for offshore wind turbines
- Understand operational & maintenance strategies for offshore wind turbines and farms
- Be able to cooperate more effectively with other technology partners active in the field and extend your professional network