OFFSHORE RENEWABLE ENERGY

MINOR

30 ECTS

2 BLOCKS OF 10 WEEKS

ENGLISH

MIDDELBURG

To reduce climate change and global warming, many countries signed the Paris Climate Agreement promising to reduce CO_2 emissions. The contribution of Offshore Renewable Energy to the energy market is essential for a better environment and for our future. The human use of energy is still increasing and we are running out of fossil fuels. In the future, we can solve this by generating renewable offshore energy from wind, currents, waves and other sources. Currently, many new offshore wind farms are planned and built in the Netherlands. The ports of "North Sea Port" in the province of Zeeland are a major contributor to the construction of offshore wind farms, both nationally and internationally. This will result in many future-proof jobs for young engineers. The minor prepares you for a career in this emerging market and allows you to make your own contribution to a better environment.

PROGRAMME

The minor Offshore Renewable Energy focusses on all aspects of the life cycle of offshore windfarms:

- Design
- Installation
- Logistics
- Operation & Maintenance

Forty percent of the minor consists of theory classes taught by professionals from the business sector, research departments or universities.
The other sixty percent of your time you will work on 2 practical projects that you select at the start of the minor. Every week there will be guest lectures from experts who will offer you an exclusive inside view in the industry and the innovations they are working on. You will work on real projects where experts from the field will give you assignments and be your mentor.

Projects in the Offshore Wind sector are multi-disciplinary so you will have to work together with students from other study programmes. At the start of the minor, you will select 2 projects on which you will work the whole minor.

OUR PARTNERS

Every week there will be guest lectures from experts in leading companies in the offshore energy industry who will offer you an exclusive inside view in the industry and the innovations they are working on

- Boskalis (lectures and projects)
- Van Oord (lectures and excursions)
- SiemensGamesa (lectures and projects)
- Seaway Heavy Lifting (lectures and projects)
- SIF (lectures and excursions)
- World Class Maintenance Fieldlab Zephyros
- Center of Expertise Water & Energy

Guest lectures are given by Mammoet, IV-Group Nevesbu, DEME GeoSea, Deutsche Windtechnik, Stork, Dutch Drone Company, IHC Iqip, SIF, Jumbo Heavy Lift, Rijkswaterstaat, BOW Terminal, 24SEA, Royal Haskoning DHV, Vestas, Enapsys, Vuyck Engineering, Antea Group, Technotron and many more.

CERTIFICATIONS

As part of this minor, you are able to get the following certificates that are registered in the WINDA database of the Global Wind Organization (GWO) www.globalwindsafety.org/

- Basic Elements of Safety Certificate (VCA).
- Basic Safety Training (BST) at Scalda (student fee EUR 600,-), see www.scalda.nl/werken-in-de-wind.
- Basic Technical Training (BTT) at Scalda (student fee EUR 600,-), see www.scalda.nl/werken-in-de-wind.

CONTACT

Do you have any questions or do you need more information about this minor? Please contact Gerben Huiszoon: gerben.huiszoon@hz.nl.

RELATED U.N. SUSTAINABLE DEVELOPMENT GOALS

This minor is all about creating sustainable solutions that contribute to a better world and has impact on the following U.N. Sustainable Development Goals:

'A VERY CHALLENGING AND INTERESTING MINOR'

'The quality of the minor is high, because you come into contact with many people from the field who know a lot about their profession and talk about it very passionately. This is something very strong about the minor. This gives you a good idea of the actual situations outside at sea and you get a good idea of what the market demands. The guest lessons make it also possible to move on in offshore business. Which gives a really good addition on your value as person, you get to learn the market. This has been well thought out and you can see that in the quality of guest lessons and projects. A plus is that it is given in Zeeland, because it connects very well to the wind farms.'

Sander, minor student