

COMMUNICATION HUB FOR THE **WIND ENERGY** INDUSTRY

WindEnergy

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NETWORK

BEATRICE OWF

THE STORY SO FAR

RE-POWERING EXTENDING ASSETS

MET MASTS NECESSARY PRE-PLANNING

SPOTLIGHT ON THE NETHERLANDS INDUSTRY LEADER



Image courtesy of: Abfad

The value of simulation training

Simulation training is widely used in this sector to enable individuals to learn in a structured and controlled environment, simulation training is ideal for developing or refreshing skills in the offshore sector

WHAT IS SIMULATION TRAINING?

Simulation training is a combination of both computer-based and immersive experiences to provide individuals with a realistic environment used for training and development. This form of training is used across the offshore construction industry, allowing trainees to improve their expertise and performance in working environments. Simulation training enables teams and individuals to develop skills and competencies through re-creating real-life scenarios and developing bespoke activity around business needs.

BENEFITS OF SIMULATION TRAINING

There are multiple benefits to this form of training, as courses are both cost and time effective, benefiting both the business and its employees who undertake the training. All simulators are structured, allowing all trainees to learn skills which are tailored to their individual needs. For example, simulators can adapt to weather conditions, human error, critical scenario training and full project management.

All simulators are created to provide users with realistic experiences, enabling individuals and groups to experience a course as close to reality as possible. This benefits all users because they will be able to tackle any skill and practise their performance in these simulators. The simulators are in a controlled environment, making them safe for training which is suitable for learners to develop or gain new skills.

HOW SIMULATION TRAINING WILL AFFECT WORK TECHNIQUE

The realistic environment of simulation training enhances workplace performance. Trainees will be able to retain information more effectively as all simulation training is practical, allowing employees to continuously practise their skills around the simulator. Whether trainees are developing a specialist area or looking to gain a new skill, learning in a practical environment will give time to

grow competence and confidence in the offshore sector.

Simulator courses allow individuals to learn at their own pace, creating a working environment to suit all learning strategies. The simulator training environment is tailored to challenge working techniques, making sure trainees are prepared for different scenarios or failures to occur. This can be altered to fit your working conditions, for example new ports can be created to match your rig. This means trainees can practise in their own working environment which will benefit the team's performance while training.

The simulators can be altered for human error examples, providing individuals with the opportunity to practise for these situations. Trainees will have the opportunity to practise ship to shore and subsea techniques, these can be pre-planned which entails the simulator making this scenario go wrong.

PERFECT FOR TEAMWORK

If you are an employee or employer, simulation training is perfect for teamwork. Working as a team not only allows everyone to develop skills in their individual areas but for the group to gain team-working skills.

As a team, learning in a controlled environment will allow individuals to not only excel in their specialist area but will give everyone a chance to explore other roles. This will allow all trainees to gain new skills and expand their knowledge in the offshore sector, improving safety through multiple skills learnt which they can bring to the workplace.

Simulation training reduces the risk of causing harm to yourself and to your team whilst in the workplace. These environments are designed to be safe, making a learning environment which is as close to reality as possible but without any risk of injury. This makes simulators the perfect place to train as a team because each individual will be

able to develop or gain skills alongside learning in a safe and controlled environment.

SIMULATOR FACILITIES

All simulators are designed to industry standard and technology has had a massive impact on training facilities to make them as lifelike and safe as possible. Only a handful of UK training centres provide these facilities and Modal Training, based in the UK's largest port network in the bank of the Humber, is one of them.

Simulator ranges include...

- » Full 360 Class A Bridge simulator
- » Class B Navigation bridge
- » Dynamic Positioning
- » Engine room
- » Vessel traffic service
- » Fixed and mobile cranes

WHY SIMULATION TRAINING?

Simulation is the ideal working environment for a range of sectors and with world-class skill orientated facilities each trainee will gain the most out of their courses. They will get the chance to explore further outcomes and to improve their skills in a simulated environment.

Simulation training allows trainees to operate in ways they cannot in real life, all facilities allow individuals to pause and rewind scenarios for detailed feedback, the learning process is fast and trainees can practise unusual and emergency scenarios in a shorter time frame than reality.

All of these aspects are beneficial to both employees and employers and individuals will experience more in these environments than learning on their companies' own operational equipment.

[Modal Training](#)



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