



Offshore training - 2 days

(price € 1060)

- Offshore wind resource and yield assessment using windPRO

Scope

We will demonstrate how you can use windPRO in offshore context. The course start with some general considerations, we need to have in place when doing offshore EYA, review offshore measurement and modelling techniques. Specific focus will be on the use of floating lidars.

The second part will be dedicated to the use of mesoscale data in the offshore context, both in terms of spatial and temporal gradients. The concept of time-varying calculations will be discussed in detail.

The last part will start with a run-through of losses including blockage as well as uncertainties. We conclude with post-construction analysis.

Program

- Conceptual considerations for offshore wind resource assessment. Overview of measuring campaign and modelling options and industry best practice
- Floating lidar data in windPRO
- Measurement analysis and data repair
- Use of mesoscale (WRF) data offshore
- Long term correction of data (MCP)
- Conceptual time domain calculation
- Losses and uncertainty offshore: Wake loss and blockage, curtailment losses, operational losses
- Post-construction assessment offshore