

The Training Tower: Short form specification

The UK's first Wind Turbine Training Tower – a new 27m high training facility – is now installed at Narec in Blyth, Northumberland. The training tower is a result of a collaborative training partnership, backed by Regional Development Agency, One North East, between Northumberland College, Mainstream Renewable Power and Narec.

It is an open access facility, designed to allow education and training providers to deliver academic and industrial training programmes for technicians working in the wind industry and at height, both onshore and offshore.

The training tower is equipped with the following:

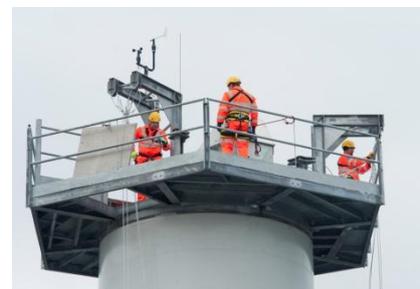
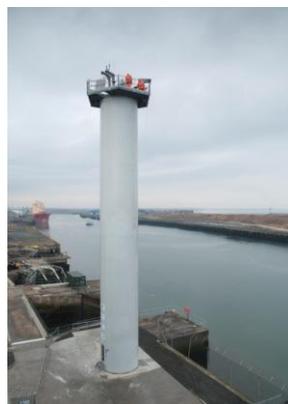
- A hexagonal working platform mounted over the main tower section designed to allow abseiling from various locations on the tower and a sloping section for rescue training.
- Wind vane and anemometer fitted to the top of the tower.
- Lighting protection.
- 240/110v power supply.
- Two internal ladders, two internal rest platforms and an internal 2 man power climb lift.
- Anchor points at each platform level for securing personnel and has anchor points on the upper platform to allow for abseiling, rescue and instruction.

Facts and figures

- Weight of the tower is approx 54 tonnes (including the platform), 4m in diameter and 27m high.
- The tower is founded on 4 concrete piles taken to bed rock and mounted on a 5m square concrete foundation.
- Designed for a ratio of 1 instructor to 6 students.

Project details

- The main tower includes UK content from Farne Iron Craft & Engineering based in Seahouses, Northumberland.
- The tower was shipped in two sections and erected on site.
- Byzak acted as the principal contractor for the works and were responsible for all the construction activities.
- Ove Arup acted as the project coordinator for the project.



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