

Radar Tower Modules For Kittiwake

FLI's proven radar tower modules on a screw pile foundation are the ideal base for a Kittiwake nesting tower in Gateshead providing compensation measures for the Dogger Bank offshore wind farm.



Screw Pile Foundation



A screw pile foundation enables minimal site preparation. Even in this situation, where there was an existing concrete surface.

No concrete
No curing time
No excavation

A screw pile is installed in minutes, with minimal plant, vibration, dust, waste or noise.

Screw piles installed through the small squares cut in the existing surface. Ready for the tower base grillage.

Base grillage landed onto the screw piles. Levelled and ready for the tower.

Tower Modules



First tower section mounted on grillage.



Internal staircase with security grill fitted to first tower module.



Second module.



Full height of tower, with cabin frame.



Secure access.

FLI structures

Nest Box Cabin



The kittiwake nesting tower gives ornithologists the safe and secure access to the nesting ledges needed for programme monitoring.

Using FLI's radar tower modules was a very cost effective solution with a rapid install.

The ability to extend or even move the structure in the future, along with the absence of concrete, enabled the tower to meet sustainability goals.

