



Case study:

From planning to decom: Wind monitoring at a site in Wales

Wind monitoring is one of Dulas's core activities. We have many decades of experience and offer a complete service, from initial planning, through installation and operation right up to decommissioning.

Project overview

A major energy supplier asked us to install a met-mast at a remote upland location in Wales. The mast instrumentation would be measuring wind data at an altitude of 90m above ground - the anticipated hub height of the proposed wind turbines. As well as wind speed and direction at multiple heights for capacity calculations, the collected data also assesses site topography to identify the optimal turbine siting.

Planning and installation

Dulas undertook the planning stages, which involved obtaining local authority approval following detailed impact assessments of the local ecology and archaeology. Following approval, the Dulas installation team transported and assembled the tilt-up mast, and mounted and tested the various instrumentation.



Images shown are of another Dulas project in the UK

Key features

Country:	Wales
Altitude:	90m (multiple data points)
Specification:	Tilt-up meteorological mast
Supplied by:	Dulas Ltd
Installed:	2024

Operation and maintenance

The met mast gathers vast amounts of wind data, which the client can access and download anytime from a web portal. Two maintenance visits per year are carried out at the mast site, which includes instrument checks and structural integrity analysis. Once the client has gathered sufficient wind data, Dulas will decommission the assembly - removing the mast and returning the site to its original state.

Benefits delivered

- + **Single point of contact:** Dulas handled everything in-house. From initial site survey to planning applications, through to design and build, instrumentation and power supply.
- + **Reduced risk:** By handling everything ourselves, we avoided problems that can easily arise when multiple agencies lack a holistic overview of a project, for example ensuring a location is suitable for installation of the mast prior to planning submission.
- + **Accurate, bankable data:** The met mast not only provides the data needed for optimal siting of the turbines, but is also 'bankable' - acceptable to investors.

Contact