



Noise Assessment

Galetech Energy Services offers a bespoke full noise measurement and analysis service. We use state of the art Type 1 environmental noise monitoring equipment to correlate noise data with wind speed and direction information from the on-site mast. GES owns and operates IEC 60651 Type 1 sound level meters equipped with outdoor kits and double wind shields and 10m weather stations.

Galetech Energy Services has a full in-house environmental noise assessment service from background noise surveys through to EIS chapter preparation, local authority compliance, representation at oral hearings and post-completion environmental noise testing. Along with the site design team we can optimise the layout of a site with respect to noise. Our noise team is trained by the UK Institute of Acoustics and follows the “Good Practice Guide” in relation to the user of ETSU-R- 97, on which the Irish regulations are based.

With experience in noise studies for wind farms in Ireland and internationally, our noise prediction models perform noise propagation calculations to ISO 9613 Acoustics - Attenuation of sound during propagation outdoors.

Services

Planning Stage

- Desktop Modelling & Analysis
- On Location Background Noise Surveys
- Environmental Noise Impact Assessments
- Planning Reports and Noise Mapping As Required

Data Monitoring & Verification

- On Location Background Noise Surveys
- On Location Audio Recording At Receptor

Post-Construction

- Post-Completion Noise Surveys
- Analysis for Tonality and Amplitude Modulation
- Planning Compliance

Selected Project Experience

20.7MW Taghart Wind Farm, Co. Monaghan
100MW Kipeto Wind Farm, Kenya
100MW Seven Hills, Roscommon

35MW Pine Woods, Co. Laois
9.2MW Lisdowney Wind Farm Co. Kilkenny
13.8MW Oldmill Wind Farm, Co. Monaghan