



# WIND FARM SERVICES

## INTRODUCTION

The **Harrison Group** offer comprehensive environmental and geotechnical services that support clients with the planning, development, and regulatory approval of onshore wind farms and are currently supporting investors in the renewables sector with major developments throughout the UK.

## ENVIRONMENTAL SERVICES

We are currently preparing Environmental Statements (ES) for a number of UK wind farm proposals. We are undertaking project scoping, public consultation, interaction with regulatory authorities and statutory consultees, completing surveys and technical tasks, project management including preparation of Environmental Impact Assessment (EIA) reports and supporting information. Services offered include: -

- Project management, logistical coordination, and preparation of ES report
- Ecological surveys, impact assessment and mitigation strategies for breeding and wintering birds (common bird census and vantage point), bats, great crested newts and other protected species
- Visual and landscape impact assessments, including Zone of Visual Impact (ZVI) analysis, landscape character and photomontage
- Noise surveys and noise and shadow flicker impact assessments
- Geological, hydrogeological & hydrological characterisation, impact assessment and mitigation recommendations
- Radiofrequency, electromagnetic and airspace impact assessment
- Road traffic access statements
- Flood risk assessments
- Archaeology and cultural heritage of the site from desk study information
- Cumulative impact reports



## GEOTECHNICAL SERVICES

We have carried out numerous geotechnical site investigations in connection with the development of wind farms. Our involvement has included: -

- Desk studies to identify key features of the site and cable routes (history, geology, utilities etc.)
- Intrusive investigations utilising a range of techniques
- Non-intrusive geophysical investigation in areas of restricted access including utilities surveys
- Testing of soil samples at our UKAS accredited laboratory
- Assessment of electrical and thermal resistivity properties of soil (in-situ and laboratory)
- Interpretation of investigation findings and geological parameters
- Recommendations for foundations for turbine bases, substations and cabling routes
- Detailed analysis of ground conditions for foundation design
- In-situ testing during construction including CBR's, plate load and density tests

