

## **Executive Summary – Noise Assessment**

Vanguardia Limited has been commissioned by Anglesey Land Holdings Ltd to undertake a noise assessment to support the outline planning application for a development of up to 238,000 square meters gross internal area for uses including data centres (use class B8), offices and research & development space (use class B1), and battery energy storage (Unique use) at Prosperity Parc, Penrhos, Anglesey, Wales (formerly the site of Penrhos Aluminium Works).

Unlike traditional B8 storage and distribution uses, the HGV activity associated with data centres is minimal, instead the main noise sources comprise the plant required to maintain the appropriate internal conditions in terms of temperature and air flow.

The purpose of the noise assessment is to discuss the relevant planning policy and guidance, provide details of a noise survey undertaken at and around the Proposed Development site, and define suitable target rating levels for operational sound produced by the Proposed Development at nearby existing residential receptors that can be referenced in the relevant reserved matters applications (RMAs). Details of potential mitigation options are also discussed.

It is acknowledged that this application is being submitted in outline, and should the development be granted consent, RMAs would be submitted to determine the final details of each plot of the development. As part of these RMAs, the impact of noise arising from each plot and the Proposed Development as a whole, will be reassessed once operational information is available and where appropriate, consideration will be given to mitigation.

A baseline noise survey was undertaken around the Proposed Development site in October 2023 at locations representative of the nearest existing noise-sensitive receptors (NSRs). From the results of the noise survey, typical background sound levels at the location of each NSR have been calculated.

Using the typical background sound levels and the methodology detailed in the British Standard BS4142:2015+A1:2019, target rating levels for cumulative operational sound from the Proposed Development (i.e., the combined sound level from all sources associated with operation of the Proposed Development) at the NSRs have been identified. By not exceeding the target rating levels, it is considered that operational sound from the Proposed Development will comply with all relevant objectives of Planning Policy Wales, including in terms of soundscapes. As previously stated, the target rating levels can be referenced in future applications for reserved matters when considering operational sound. Potential mitigation options, such as screening, have also been discussed.

It is noted that an outline planning application for a battery energy storage system (BESS) on the site, similar to what is proposed in this application, was approved by Isle of Anglesey County Council in January 2024 (planning ref OP/2023/8). The predicted levels of operational sound included with that application, which did not assume any mitigation measures in place, are well below the target rating levels for operation sound in this report, indicating that the site is suitable for this use in principle.