



## Leisure Industry

**Client:** Granish Farm Partnership

**Location:** Aviemore, Highlands

### Project Overview

A planning application was made to Highland Council by Granish Farm Partnership for a new outdoor racing kart track, immediately to the north of Aviemore. The site is located within close proximity to a number of residential properties. Once operational, the track would run during daytime and evening hours, for up to seven days a week. A typical scenario would be four 10-minute races over the space of one hour, with up to 10 karts on the track at any one time.

### Key Challenges

An objection was raised by the Environmental Health department which stated that the noise impacts on nearby residents could be unacceptable, based on a lack of data and detailed analysis in the original noise assessment. Whilst there was some intervening terrain between the proposed track and the closest properties, the track would have been initially visible from a number of properties.

### Our Solutions

We were commissioned to undertake a completely separate, comprehensive noise impact assessment which would replace the previous submission. Our approach was tailored specifically to gain planning success for the client, which involved identifying strategy.

We prepared and modelled a worst case scenario based on a maximum number of karts and average speeds for various sections of track. The noise model used moving point sources which would travel

around the proposed course. The development was assessed against noise level limits which were derived from measured background noise levels in order to determine the likelihood of complaints from nearby residents.

Mitigation was required in order to reduce noise levels at nearby properties. Bunding was specified where necessary, which also tied in with landscape and visual requirements. Detailed noise modelling and the specification of mitigation was a key stage of the assessment. The noise model was able to demonstrate that the bunding could effectively reduce the noise levels where necessary.

### The Successful Outcome

The resultant noise measurements, assessment report and specified mitigation plan were presented to the Planning department and the noise objection was subsequently removed. The project has since gained planning consent



## Our Acoustics and Noise Expertise

Environmental noise regulation is now more stringent than ever, and as a result, regulators are becoming increasingly rigorous in relation to noise assessments and noise control measures.

Our specialist consultants bring extensive experience in environmental and occupational noise impact assessments across a wide range of projects – from wind farms, hydroelectric and biomass stations, to schools, residential developments, commercial buildings and industrial sites.

Our aim is to simplify the process of noise monitoring, assessment and management, providing effective advice and innovative solutions that helps smooth the way to realising the vision of your project.

## Our Solutions

Atmos offers a comprehensive range of acoustic and noise solutions across the entire project life-cycle. From feasibility, scoping and planning submissions through to construction and on to post construction and operational monitoring.

Choose from an integrated service approach or one of our specialist services that can seamlessly feed into your project, whatever its current lifecycle stage, including:

- Baseline and Specific Noise
- Monitoring and Analysis
- BREEAM Assessments
- Compliance Monitoring and Discharge of Planning Conditions.
- Compliance with PPC and EP
- Conditions and Preparation of Applications
- Consultation and Liaison with Regulatory Bodies
- Due Diligence
- Noise Impact Assessments
- Noise Management Plans
- Vibration Monitoring and Reporting
- Noise Propagation Modelling and Prediction
- Response to Noise Related Complaints
- Specification of Noise Mitigation and Noise and control measures.
- Vibration Monitoring and Reporting



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