



NOISE PREDICTION & MONITORING

The Testing and Analysis Division has undertaken noise and vibration predictions for many major projects over the past 10 years and this is often supplemented by short or long term noise and vibration monitoring to validate the predictions.

INTRODUCTION

On many major projects the local authority require detailed information regarding site works, method of construction and predicted noise levels likely to be generated during the different phases of the project. This information is often submitted in the form of a Prior Consent Application under Section 61 of the Control of Pollution Act 1974.

PREDICTION – THE PROCESS

Noise predictions are undertaken using the methodology described in BS 5228 Part 1 and are processed using the latest 'state of the art' CadnaA bespoke noise modelling software.

Plant specific noise levels, obtained by measurement, are used whenever possible together with noise levels from the BS 5228 and Defra databases where actual measurements are not available.

SITE BORDERS

Noise Monitoring at sensitive locations bordering the site, is often required to support the predicted levels and in some cases prove compliance with contractual noise limits.

METHODS OF MONITORING

Monitoring may take the form of short-term attended surveys or on major contracts, long-term unattended monitoring using environmental monitoring stations. In these cases data is accessed via GSM Modem enabling remote interrogation, analysis and reporting of the results in line with the client and the local authority's requirements.

It is also possible to include alarm facilities in the system to provide a variety of alerts, (including via mobile phone), if agreed noise limits are approached or exceeded.

CONTACT US

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