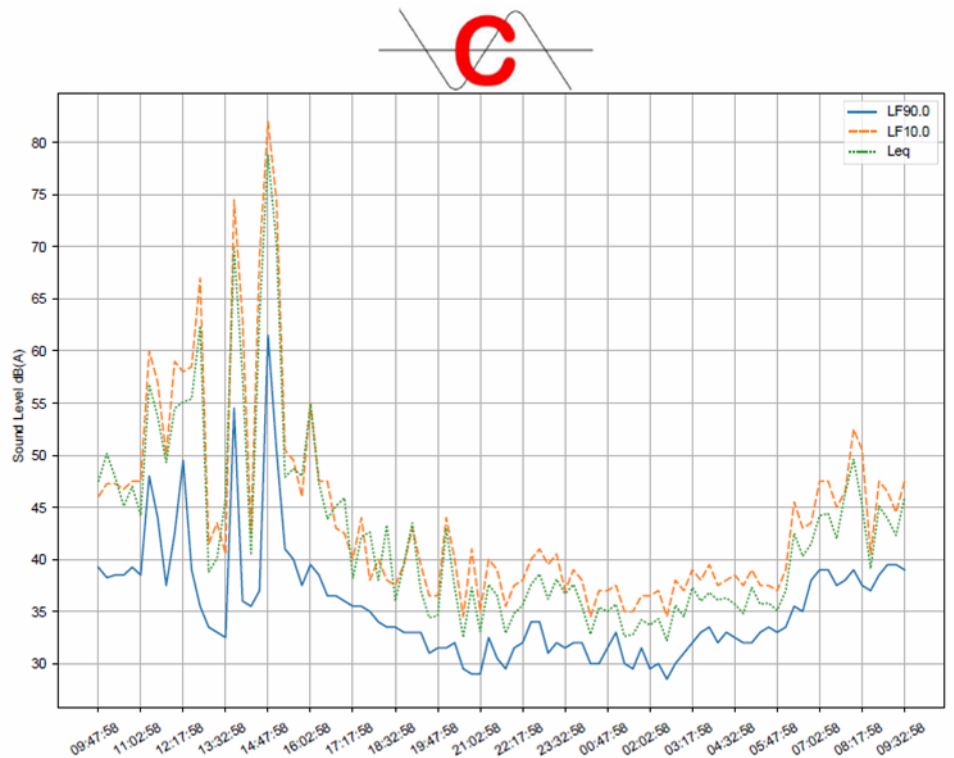
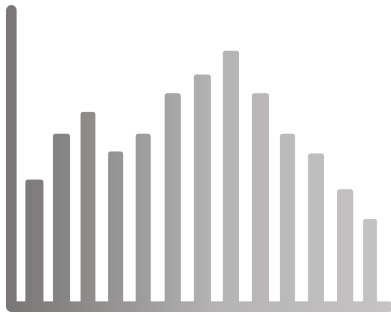


## INTRODUCTION

Conabeare Acoustics Limited are able to supply a wide range of **Professional Acoustic Services**. These include various types of Noise Measurements and assessments through to the design of Turnkey Acoustic Projects incorporating aspects such as ventilation or structural design.

All projects are designed in house by our team of experienced Engineers, who have extensive knowledge throughout the industry.



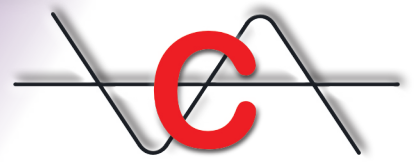
## DESIGN

Conabeare Acoustics Limited specialise in solving diverse Noise Control Problems and moulding products to suit individual applications.

Whilst we use a mixture of commercially available, as well as specially developed software packages to assist us in this, we appreciate that there is no substitute for knowledge and experience and offer a common sense approach to any problem.

All complex projects have Acoustic Modelling carried out which allows us to alter a wide number of variable's to enable us to quickly and accurately predict resultant noise levels for varying simulated conditions.

The majority of design work is then carried out using CAD to provide a high quality and accurate design.



## TYPICAL SPECIFICATION



- BS7445-1** - Unattended Environmental Noise Surveys in Self Sufficient Weather proof Boxes up to 96 hours or un-limited with external power supply.
- BS4142-2014** - Attended Surveys for short term Environmental Noise monitoring during anti-social hours.
- ISO3744** - Determination of Sound Power Level from measured Sound Pressure Levels.
- EN13487** - Sound Measurements of Air Cooled Condensers and Dry Coolers.
- ARI370** - Sound rating of Large Outdoor Refrigeration and Air Conditioning equipment.
- ARI575** - Measurement of Machinery Noise within a space.

### **Vehicular Movement Analysis**

### **Reverberation Time Testing**

We can also undertake various **Plant Noise Surveys** to determine impact, maximum or time weighted noise including full Octave or Third Octave Spectrum Analysis.

We can also carry out the following calculations;      We can also carry out the following calculations;

- **Full Duct Analysis for Airborne Breakout Noise.**
- **Screening and Barrier Calculations.**
- **Reverberation Time Prediction.**
- **Internal to External Transmission.**
- **External to Internal Transmission.**
- **Room to Room Transmission.**

## Professional Acoustic Services - PAS

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