

# Case Study

[T] +44 (0) 870 710 7560 [W] [www.catalyst-commercial.co.uk/](http://www.catalyst-commercial.co.uk/)



## Hospital Noise Impact Assessment

### *The Challenge*

The client, a hospital in the north of England, required a noise assessment to be undertaken in order to acquire data relating to ambient noise levels along the proposed façade of a new Oncology and Haematology Unit. The site is currently agricultural and is located adjacent to the existing hospital and is bordered by a main “A” road to the west and a “B” road to the north.

### *The Solution*

The data enabled recommendations to be made for the level of sound insulation required by the building envelope and clarify the implications of various ventilation options.

### *The Outcome*

A baseline noise survey provided information which enabled a noise map, using the noise mapping software CADNA, to be produced to consider the beneficial effect of various mitigation measures such as noise bunds and barriers and building orientation.



T | 0870 710 7560  
W | <http://www.catalyst-commercial.co.uk/>  
E | [info@catalyst-commercial.co.uk](mailto:info@catalyst-commercial.co.uk)