



Insightful

# Acoustics

Capability Statement



CITY OF LONDON  
PRIMARY ACADEMY  
ISLINGTON

# Who we are

**STANTEC IS A TOP TIER GLOBAL CONSULTANCY. WE HAVE BEEN WORKING WITH OUR CLIENTS AND COMMUNITIES IN THE UK FOR OVER 150 YEARS.**

We have consistently been at the forefront of planning, design and delivery of infrastructure and development in the UK.

With offices across the UK, Stantec has a strong reputation for its work with public and private sector clients on a diverse range of high-profile infrastructure and development projects.



# Stantec in the UK

**1700**

INFRASTRUCTURE, BUILDINGS,  
WATER & ENERGY

**40**

PLANNING SERVICES

**250**

ENVIRONMENT &  
SUSTAINABILITY SERVICES

**200**

CIVIL ENGINEERING

**160**

TRANSPORT PLANNING

**95**

BUILDING STRUCTURES  
& UTILITY SERVICES

# How can we help?

## DEVELOPMENT WHICH IS NOISE GENERATING OR NOISE SENSITIVE OFTEN REQUIRES CONSIDERATION FROM A PLANNING AND DESIGN PERSPECTIVE.

Recent advances in holistic design approaches and industry guidance have improved awareness of noise issues at the early stages of design development, more effectively reducing noise impact on developments and their surroundings.

Global lockdown strategies in response to COVID-19 have highlighted the importance of good acoustic design in and around developments since sound levels have temporarily reduced, raising our expectations when it comes to unwanted noise.

We provide acoustic consultancy services from feasibility stage through to project completion and beyond.

By collaborating across our teams, opportunities for improvement and enhancement of the environment are delivered at each development stage. We work with the transport and planning teams, environmental planners, buildings teams, structural engineers, energy modellers, ecologists and our air quality teams, who are often reliant on the same data to achieve similar desired outcomes.

Stantec is a Sponsor Member of the Institute of Acoustics (IOA) and a Member of the Association of Noise Consultants (ANC).

## ACOUSTICS IN DEVELOPMENT MASTERPLAN DESIGN & PLANNING

- Significant experience in environmental noise impact assessments to support large-scale mixed-use developments, including providing a holistic approach to overheating acoustic assessments and soundscape design.
- Providing a variety of support in standalone acoustic assessments, as part of an ES or DCO.
- Addressing planning related noise issues associated with logistics and industrial developments near to residential areas.

## INFRASTRUCTURE ACOUSTICS

- Significant experience in working as part of a multi-discipline team on large-scale infrastructure projects.

## BUILDING ACOUSTICS

- Providing acoustic consultancy services in close collaboration with building, M&E and structural engineers for sound insulation, room acoustics, BREEAM acoustics support, atmospheric and internal building services noise for a range of developments.
- Sector experience includes residential, healthcare, education, industrial, leisure and offices.

# Project Experience



## AYLESBURY WOODLANDS

**CLIENT:** Buckingham Advantage, HCA

Working in collaboration with other disciplines across the practice, the acoustics team undertook the environmental impact assessment of the site.

This involved undertaking detailed environmental sound surveys of the existing baseline conditions and using the results of the surveys to inform the development of a comprehensive acoustic model.

As a result of the work undertaken by the acoustic team, a mitigation strategy was devised which protected existing noise sensitive receptors where appropriate whilst minimising the potential impact on the design of the scheme.

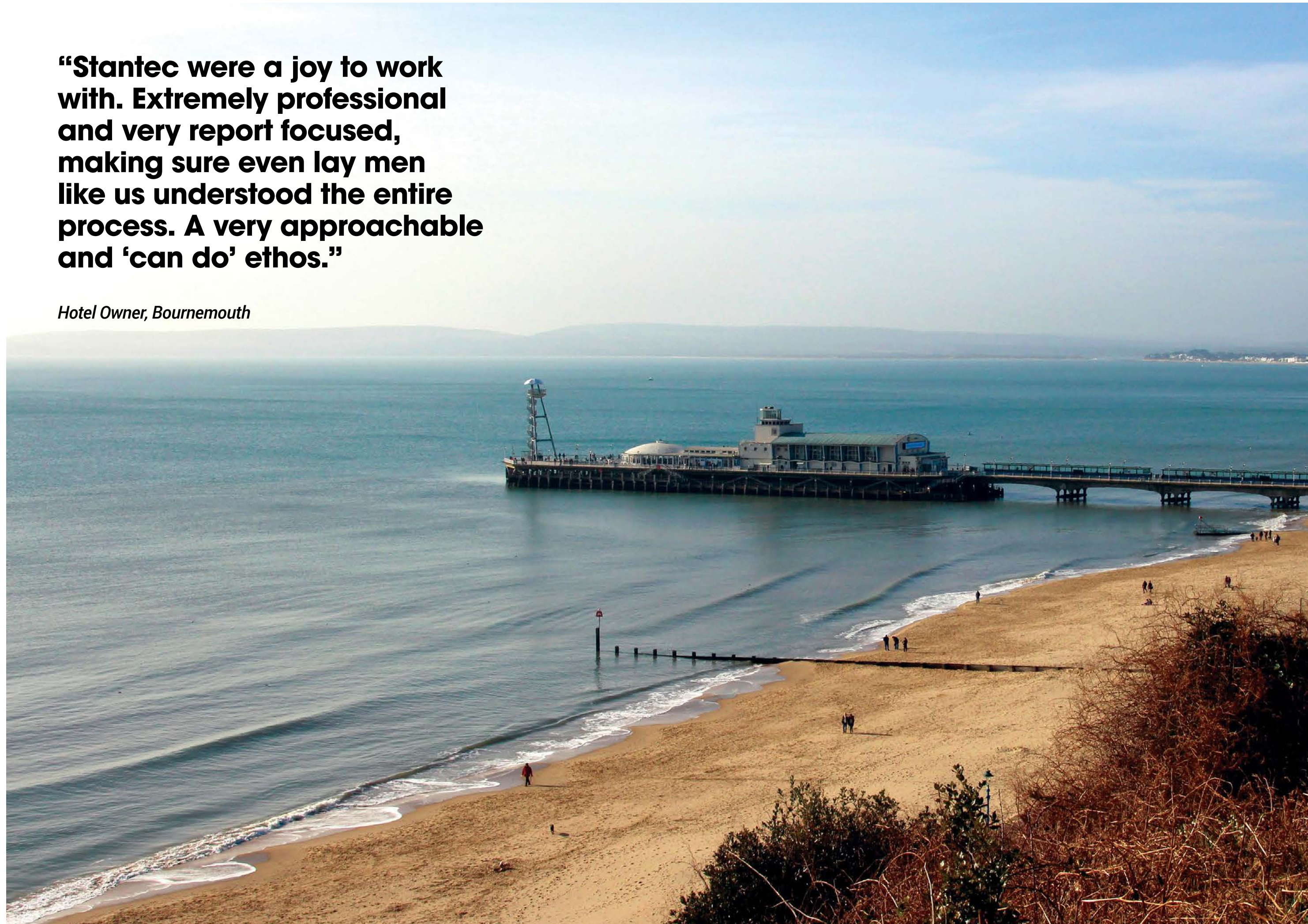


*Aylesbury Woodlands, Buckingham*



**“Stantec were a joy to work with. Extremely professional and very report focused, making sure even lay men like us understood the entire process. A very approachable and ‘can do’ ethos.”**

*Hotel Owner, Bournemouth*



## HOTEL BOURNEMOUTH

**CLIENT:** Bael, Ltd

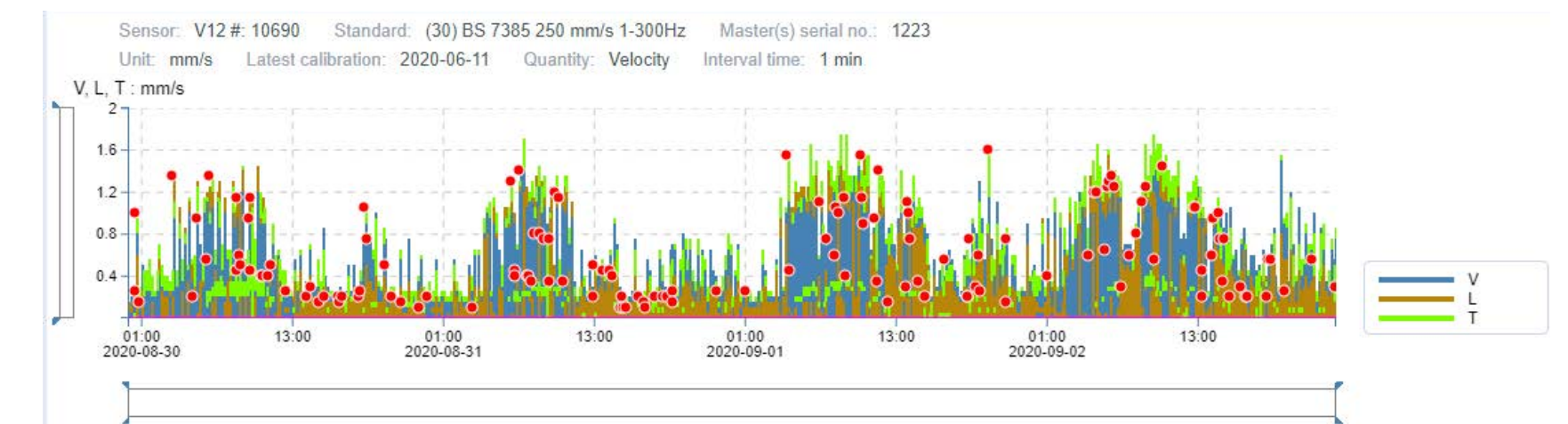
**LOCATION:** Bournemouth

The acoustics team undertook a detailed analysis of the project programme and construction methodologies.

This determined the periods when construction works posed the greatest risk to the adjacent vibration sensitive receptors and appropriate vibration limits to then protect the vibration sensitive receptor whilst not unduly constraining the contractor.

A real-time vibration monitoring and alert system was provided, alerting interested parties and stakeholders to exceedances of the project criteria.

This allowed swift assessment to determine whether construction works were the source of the alert exceedance.



## **CITY OF LONDON, PRIMARY ACADEMY**

**CLIENT:** City of London

**LOCATION:** London

Stantec provided acoustic consultancy support throughout the planning, design and construction process.

During the planning process, it was necessary to undertake a comprehensive environmental sound survey of the site to identify potential noise constraints. An assessment was then undertaken to establish the suitability of the site for the proposed use and a noise impact assessment report prepared to support the planning application.

The acoustics of schools and residential developments are controlled by Building Regulations and planning conditions imposed by the local authority.

During the design of the scheme, Stantec worked with the architect and other members of the design team to ensure that the proposed design complied with the relevant acoustic requirements



*City of London Primary Academy, London*



## HB VILLAGES

**CLIENT:** HB Villages

**LOCATION:** Multiple

We have provided noise impact assessments for a number of supported living apartments for HB Villages across the country in locations such as Shiremoor, Blyth, Buxton, Leamington Spa, Northampton, St Helens, Birmingham, Sandbach, Newcastle, Stourport, and Crewe.

Given the wide variety of site locations, different acoustic constraints were identified where appropriate. This included sources such as roads, rail, planes, nightclubs, commercial/retail premises and industrial premises.



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Communities are fundamental. Whether around the corner or across the globe, they provide a foundation, a sense of place and of belonging. That's why at Stantec, we always design with community in mind.

We care about the communities we serve—because they're our communities too. This allows us to assess what's needed and connect our expertise, to appreciate nuances and envision what's never been considered, to bring together diverse perspectives so we can collaborate toward a shared success.

We're designers, engineers, scientists, and project managers, innovating together at the intersection of community, creativity, and client relationships. Balancing these priorities results in projects that advance the quality of life in communities across the globe.

Stantec trades on the TSX and the NYSE under the symbol STN. Visit us at [stantec.com](http://stantec.com) or find us on social media.

**Design with community in mind**