



## Acoustical Treatments For Healthcare Environments

A good acoustic environment in healthcare settings is important for the well-being of both patients and staff. Poor acoustics can disrupt sleep and be a source of irritation to patients.

**Acoustical treatments** however, vary in different zones. General wards, reception areas, laboratories and disinfectant rooms are acoustically treated differently from audiometric rooms, equipment rooms and specialised treatment rooms.

dB Acoustics has installed acoustic systems for many healthcare facilities in Singapore. Acoustical treatments include:



> **NUH and NUS Medical Centre @ Kent Ridge**

dB Acoustics installed various models of the **Ecophon** acoustic ceilings and wall panels in different locations to reduce noise levels and soundproof the different spaces at the NUH and NUS Medical Centre.



> **Khoo Teck Puat Hospital @ Yishun**

Metal awnings providing shade against the sun and rain can become a noise problem during heavy rain. Rain-impact noise can enter buildings and radiate to neighbouring buildings, creating unacceptable noise levels that interfere with patients' rest and disrupt doctors' concentration.

dB Acoustics' acoustical treatments for rain-impact noise: spraying layers of **vibration damping compounds** on these metal awnings to absorb the vibration noise.



> **Audiometric rooms in hospitals**

Excellent **soundproofing** is needed for specialised treatment rooms such as audiometric rooms where hearing tests are conducted. dB Acoustics has constructed audiometric rooms for the Singapore General Hospital, National University Hospital and Changi General Hospital.

To discuss your specific acoustic requirements, email [enquiry@db.com.sg](mailto:enquiry@db.com.sg).