

MTR Corporation Contract No. C3026-14E

Replacement of AFC Equipment at MOK and KOT Stations - Provision of Noise Consultancy Services in Support of CNP Application for KOT Station



CLIENT: THALES TRANSPORT & SECURITY
(HONG KONG) LIMITED

LOCATION: HONG KONG

DATE: MARCH 2017 - MAY 2017

TAGS: CONSTRUCTION NOISE PERMIT
(CNP), MTR STATION, POWERED
MECHANICAL EQUIPMENT (PME), HANDHELD
ELECTRIC BREAKER, PRESCRIBED
CONSTRUCTION WORKS (PCWs), NOISE
CONTROL ORDINANCE (NCO)

USE OF TECHNOLOGY: IN-SITU NOISE
MEASUREMENT

Background

In order to upgrade the facilities inside the MTR Kowloon Tong (KOT) Station e.g. ticketing machines while causing no disturbance to the operation of MTR, the upgrade works had to be carried out outside the MTR operating hours (ie after 0100 hour). The construction work was required to be carried out during restricted hours, including all days during the night-time (2300 to 0700 hours). The application of a Construction Noise Permit (CNP) for operation of Powered Mechanical Equipment (PME) during restricted hours was therefore required according to the Noise Control Ordinance (NCO).

Our Roles

ANewR was appointed by the Contractor, TTS, to carry out in-situ noise measurement to evaluate the sound attenuation inside the MTR KOT Station. Besides, we evaluated the insertion loss of the acoustic enclosure at the construction areas at the concourse level of KOT Station where the handheld electric breaker was used. With the study results, we also prepared a full set of CNP Application Package. We provided the CNP application consultancy service for the construction works at the station, including identifying Noise Sensitive Receivers (NSRs), conducting a construction noise assessment and recommending noise mitigation measures.

Key Values to Client

Thoroughly familiar with the CNP application process, **ANewR** helped the Client liaise with Environmental Protection Department to facilitate the CNP application. With our professional services, we helped the Client obtain the CNP smoothly and efficiently before the commencement of the construction work. The progress of the work could therefore be maintained.