

During years, estate developers actively demonstrated its commitment to putting people first by offering quality living environments in response to ever-changing lifestyle and requirements.

Special attention was paid to fostering acoustic comfort in new residential developments by incorporating better facilities.

In order to fully utilize the floor area, it is uncommon for architects to design building layouts with lift shaft walls expose at noise sensitive areas, eg. bedrooms of residential premises. Taller building has increased the elevator traffic and modern elevators are at speed two to three times higher than twenty years ago. Lift shaft wall has becoming thinner and thinner due to the sharing of structural loads by bearing walls at building façade.

All these factors lead to one problem... **“Elevator Noise”**

Given that increasing high-rise buildings and greater concern of noise problems among buildings, different treatments are employed to tackle the noise generated by the lift operation, it makes vibration control measure no longer a new enhancement in contemporary buildings.



Possible Measures

Several measures can be employed to address different elevator noise :

Addressing the Problem of Structure-borne Noise

- M1. Vibration Isolation at Lift Machine Base
(replacing the high stiffness neoprene base pad with properly selected “Sylomer®” Isolation Pad)
- M2. Vibration Isolation at Lift Machine Room
(building a massive concrete inertia floating slab supported by “Mason” Jack-up Neoprene Isolation System)
- M3. Vibration Isolation at Lift Guide Rails
(placing “Sylomer®” Isolation Pad to reduce the direct transmission of vibration from roller & guide rail interaction onto lift shaft)

Addressing the Problem of Airborne Noise

- M4. Installation of Silencers at Ventilation Fans of Elevator Room
- M5. Mounting Acoustic Wall Lining at Elevator Room
- M6. Increasing Damping for Landing Doors



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Vibration & Noise Control Specialist

Our Signature Projects

Project Showcase

Vibration Isolation in lift machine or guide rails have been employed in several signature building for past few years.



Skyline Tower at No. 12 Kai Shun Rd (Hitachi)



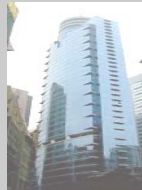
Novotel Mongkok at No. 348 Nathan Rd, formerly known as Majestic Hotel (Holake)



Four Seasons Hotel (Chevalier)



Exchange Tower (Kone)



The Centrium (Kone)



Hong Kong SkyCity Marriott Hotel (Mitsubishi)



City of Dreams, Macau (Schindler)



The Galaxy Casino, Macau (Chevalier)



The Venetian® Macao-Resort-Hotel (Schindler)

Commercial

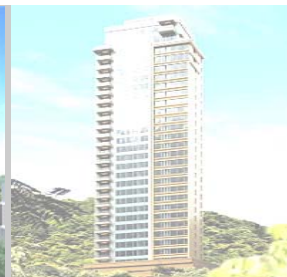
Hotel



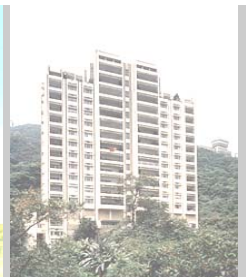
"The Hermitage" (Fujitec)



"Primrose Hill" (Chevalier)



"Bowen's Lookout" (Hitachi)



"Tavistock" (OTIS)



"Larvotto" (Chevalier)



"Lime Stardom" (Chevalier)



"Yoho Town" (Chevalier)



Upper Ngau Tau Kok Estate Phase 2 & 3 (Chevalier)

Other Projects including

- Chun Seen Mei Chuen (Kone)
- Public Rental Housing Development at Kwai Luen Road (Kone)
- Eredine at Peak (Schindler)
- Hotel Development at 29-51 Wo Yip Hop Road, Kwai Chung (Mitsubishi)



"Festival City 名城" Ph 1-3 (Chevalier) (Mitsubishi)



"Banyan Garden" (Mitsubishi)



"Harbour Place" (Schindler)



"Sky Horizon" (Hitachi)



Ex-chaiwan Estate Redevelopment (Kone)



Un Chau Estate (Kone)

Residential