

Sabah State Mosque, Kota Kinabalu, Malaysia



BOSCH

Invented for life

Industry:

Place of Worship - Mosque

End User:

Sabah State Mosque

Sabah State Mosque is an attractive tourism destination located in Kota Kinabalu (Sabah State Capital) in Sabah, Malaysia. It is also one of the most outstanding pieces of architecture in Kota Kinabalu. With its majestic dome and stunning gold inlay motifs, the mosque sits a stone's throw away from the city centre. It is a unique combination of prevailing Islamic architecture and contemporary design.

The mosque can accommodate up to 5,000 worshippers at one time. There is also a special balcony exclusively allocated for Muslim women during prayer time, with room for up to 500.

Business Objective:

The State Islamic Association wanted a new Public Address system to provide high-quality reproduction of speech and even sound distribution to the entire area. The main challenge for this project was the difficulty to broadcast clearly caused by the building's design and air-conditioning system.

Solution:

With Bosch's expertise and acoustic simulation support available, we are able to convince State Islamic Association to accept our on-site acoustical study and intensive design with the latest range of speakers. With these speakers, the whole system managed to produce greater listening comfort, remarkably clear, natural sound with unrivalled speech intelligibility.

With the system installed, the worshippers who are sitting in the Main Prayer Hall can hear the speech clearly with comfortable loudness. This extends even to those worshippers sitting in front of the Intellivox speaker as the sound transmits to each angle evenly through out the entire Hall.

The devices installed were:

Uni-Directional Sound Projector	: 16 units
XLA Line Array	: 20 units
Intellivox DDC Active Line Array	: 02 sets
6W Ceiling speakers	: 24 units
Plena Power Amplifiers	: 08 units



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Result:

The system implemented provided the mosque with top quality sound and was able to produce good sound intelligibility at a comfortable loudness.

The mosque system also serves as the benchmark for other mosques in Sabah as well as nationwide.

Installed by:

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