

# Kenvit Church, Incheon-si, Korea, relies on Electro-Voice(EV) to spread the message



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## Industry:

Commercial and Government Buildings

## End User:

### Kenvit church (Please reconfirm the name)

Kenvit church belonging to the Korean Methodist Churches was established in November 1986 at Chunghak-dong, Yeonsu-gu, Incheon-si. The church has a long history and has undergone many expansions and upgrades in the recent times. It recently completed the construction of a brand new chapel, with an impressive 2,040m<sup>2</sup> ground floor and a 4,860m<sup>2</sup> building space with two floors in the basement and five floors on top. It took a total of three years for the construction and finally the first service was held on August 27, 2008.

## Business Objective:

Churches in the 21st century are not only places of worship alone but also unique spaces for cultural exchange and community development programmes. Kenvit church considered the architectural acoustics not only for delivering pastor's clear message to the audience but also for accommodating diversified needs of various cultural performances. The church was looking for a reputed brand of speaker systems that catered to its unique requirements.

## Solution:

The authorized distributor of Electro-Voice (EV) in Korea, Kevic Inc, analyzed the church's architectural demands and acoustics requirements after doing sound intelligibility tests. Kevic finally installed EV's flagship line array speaker systems which they concluded as the most appropriate application for this church.

Speaker systems

Main speaker: XLD 281 (L/R 6units each)

Sub woofer: XS212, QRx218 (L/R 1 unit each)

Balcony speaker: FRI2082 (4units)

Pulpit monitor speaker: T221M (2units)

Choir monitor speaker: Eliminator ME (2 units)

Amplifier: CP2200 (4 units for Main). CP3000S (2 units for Sub woofer)CP1800 (4 units for Sub speakers and Monitor Speakers)

Speaker controller: Electro-Voice DX38 (2 units)

Mixing console: Midas Verona 400 (1 unit)

Main speaker XLD281, eight inch full range (60Hz~20kHz) three way speaker, was the best choice for the minister's sermon as it supports various ranges of sound. To reinforce enough bass frequency for live performance and various events, X212 sub woofer was rigged together with XLD281 and QRx 218 was stacked at the front of the pulpit.



Kenvit Church

In order to have average SPL 130dB in the church, they used Ease software for the simulation from the beginning of the design and this made the sound harmonized with the architectural acoustics.

Professional sound tuning considering architectural acoustics and characteristics of the speakers resulted in the best speaker systems without any feedback problem.

## Result:

The church finally has the flexible sound system perfectly fit for the service as well as various live performances.

"The in-depth technical information on product with top project reference gave us the confidence that EV supports clear sound for preaching and accommodating needs of various performances. We chose EV with confidence and we are very satisfied with the performance after the installation". Said Mr. Kyoungwoo Lee, sound engineer of Kenvit church.

## Installed by:

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