

## CASE STUDY



# HOUSES OF WORSHIP



### OPPORTUNITY

Provide clear intelligibility and excellent sound quality for its growing congregation and new 500-seat worship space.



### SOLUTION

Mahajak Trio Electronics supplied a complete HARMAN audio system for Open Union Church, including JBL speakers, Crown amplifiers, AKG microphones, and a Soundcraft mixing console.

“

The reliability and performance of our solutions impressed the church management when it was time for them to upgrade. We are pleased to see our customers coming back to us with confidence.”

### OPEN UNION CHURCH, MALAYSIA

Mahajak Trio Electronics supplied a complete HARMAN audio system at Open Union Church, a Korean ministry church located in Malaysia.

Established in 1988, Open Union Church recently relocated from its old building located in Ampang Jaya to a newly renovated 4,000 square-foot building in Kuala Lumpur. In order to provide clear intelligibility and excellent sound quality for its growing congregation and new 500-seat worship space, Open Union Church decided to include a new state-of-the-art sound system as part of the renovation. The church had great success with JBL, Crown and AKG solutions at its previous facility, so the decision to choose a complete HARMAN system was easy.

“I am very happy with the HARMAN systems installed in the church,” said Pastor Daniel, Senior Pastor, Open Union Church. “They provide intelligibility and great coverage. We were already using HARMAN solutions, and we are confident that the system will perform equally well in our new space.”

The complete HARMAN system consists of six JBL VT4886 loudspeakers and three JBL VT4883 subcompact dual 12” subwoofers on each side of the stage, with four JBL AC18/95 AE Series speakers used as delays. The entire system is powered by Crown I-Tech 4x3500HD and Crown XT1 Series amplifiers.

For vocal reinforcement, the church deployed three AKG WMS470 multichannel wireless microphone systems. Audio is mixed on a Soundcraft Si Performer 3 digital live mixing console, which is paired with a 32-channel Soundcraft Mini Stagebox 32R for additional I/O. Two JBL LSR305 powered studio monitors are used for monitoring. The HARMAN system was installed by local integrator Acoustic Calibration Services.



AKG

AMX

ESS



dbx



lexicon

Martin

Soundcraft

STUDER



“

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“The reliability and performance of our solutions impressed the church management when it was time for them to upgrade,” said Ramesh Jayaraman, VP & GM HARMAN Professional Solutions, APAC. “The church had been using HARMAN Professional products since their inception, and this carried through at the new building. We are pleased to see our customers coming back to us with confidence.”

#### PRODUCTS USED

**JBL VERTEC LINE ARRAY SPEAKERS**

**JBL AE SERIES SPEAKERS**

**JBL LSR305 POWERED STUDIO MONITORS**

**CROWN I-TECH SERIES AMPLIFIERS**

**CROWN XT1 SERIES AMPLIFIERS**

**AKG WMS470 WIRELESS MICROPHONE SYSTEMS**

**SOUNDCRAFT SI PERFORMER 3 MIXING CONSOLE**



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