

PARTNER STORY



HOUSES OF WORSHIP



OPPORTUNITY

Busan Peniel Church was looking to upgrade their facility with the latest technologies for enhanced sound quality and ease of use.



SOLUTION

Busan Peniel Church deployed a state-of-the-art HARMAN audio system to provide clear and impactful sound for worship services and other functions.

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Now everybody can hear the sermons and gospel music more clearly than ever. Other similar-sized churches are also showing their interest in Busan Peniel Church's new sound system.”

BUSAN PENIEL CHURCH, SOUTH KOREA

Founded by the Voice of China and Asia Missionary Society (VOCA) in 1958, Busan Peniel Church is an interdenominational house of worship located in South Korea's second-most-populous city. Although the church already possessed a robust sound system including JBL AM6215 loudspeakers, they chose to upgrade their facility with the latest technologies for enhanced sound quality and ease of use. Seeking a cost-effective solution with uncompromised performance, the church hired TechData to design and implement an end-to-end HARMAN Professional Solutions audio system. To meet their client's requirements and stay within budget, TechData selected JBL VRX900 Series line array loudspeakers, Crown XTi amplifiers, dbx personal monitor controllers, and a Soundcraft Si Impact mixer and Mini Stagebox.

“This project required us to configure multiple input and output channels with maximum performance on a limited budget,” said Hyun Su Park, Sales Representative, TechData Co., Ltd. “We suggested the budget-friendly Soundcraft Si Impact and Mini Stagebox 32, which doubled their channel count from 40 to 80. To tackle the sound issues occurring during worship in the small-spaced main stage area, we installed a dbx PMC Personal Monitor Controller which allows them to create a custom mix from 16 channels of audio. We also installed JBL VRX932LA-1 line array loudspeakers that deliver flat frequency response and high output levels. After comparing other products to the HARMAN Professional audio solutions, we concluded that they are superior in both quality and cost efficiency. The client was extremely pleased with the new system.”

TechData upgraded the church's main sound system with JBL VRX932LA-1 line array loudspeakers to achieve the best possible sound quality with maximum coverage and minimal power consumption. The two-way VRX932LA-1 features JBL's neodymium Differential Drive woofer, paired with three Annular Ring Diaphragm high-frequency drivers, delivering extremely accurate sound reproduction from 57Hz-20kHz. Constant Curvature waveguides ensure optimal coverage and array coherence with a 100 x 15-degree dispersion pattern.



AKG

AMX

ESS

CROWN

dbx

JBL
PROFESSIONAL

lexicon

Martin

Soundcraft

STUDER



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TechData selected Crown XTi Series amplifiers to power the JBL line arrays, creating a perfectly matched system with adequate power and headroom. The XTi amplifiers feature HiQNet System Architect control software, which provides full control of routing, EQ, crossover and more via USB, allowing users to fine-tune the system for optimal performance. Additional features include subharmonic synthesis for extra low-end and Peakx Plus Limiters to protect the system from extreme signal peaks.

A Soundcraft Si Impact digital mixing console provides a powerful, easy-to-use solution for mixing sound in the church. With 32 microphone inputs and up to 80 total channels of powerful DSP, the Si Impact can handle anything from a simple sermon to a full band and choir. The streamlined, hands-on interface with illuminated FaderGlow controls simplifies even the most complex mixes. On stage, a Soundcraft MSB32i Mini Stagebox puts all 32 mic inputs within easy reach, while dbx PMC16 Personal Monitor Controllers allow church musicians to adjust their own monitor mixes with ease.

“Even though they had used JBL loudspeakers previously, the client was even more satisfied after the upgrade to their audio system,” said Hyun Su Park, Sales Representative at TechData. “Now everybody can hear the sermons and gospel music more clearly than ever. Other similar-sized churches are also showing their interest in Busan Peniel Church’s new sound system.”

“HARMAN’s high-performing audio systems have greatly increased speech intelligibility and elevated the worship experience for churchgoers at Busan Peniel Church,” said Ramesh Jayaraman, VP & GM HARMAN Professional Solutions, APAC. “We would like to thank our partners TechData and their team for designing and implementing an audio system that allows the church to connect with the congregation like never before and Busan Peniel Church for their confidence in HARMAN’s iconic brands.”

PRODUCTS USED

CROWN XTi SERIES POWER AMPLIFIERS

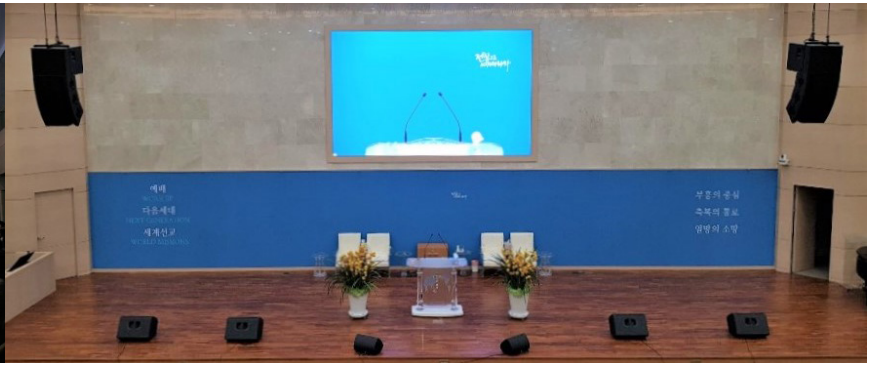
DBX PMC16 PERSONAL MONITOR CONTROLLERS

JBL VRX932LA-1 LINE ARRAY LOUDSPEAKER SYSTEM

SOUNDCRAFT SI IMPACT DIGITAL MIXING CONSOLE

SOUNDCRAFT MSB32I MINI STAGEBOX





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ABOUT HARMAN

HARMAN (harman.com) designs and engineers connected products and solutions for automakers, consumers, and enterprises worldwide, including connected car systems, audio and visual products, enterprise automation solutions; and services supporting the Internet of Things. With leading brands including AKG®, Harman Kardon®, Infinity®, JBL®, Lexicon®, Mark Levinson® and Revel®, HARMAN is admired by audiophiles, musicians and the entertainment venues where they perform around the world. More than 50 million automobiles on the road today are equipped with HARMAN audio and connected car systems. Our software services power billions of mobile devices and systems that are connected, integrated and secure across all platforms, from work and home to car and mobile. HARMAN has a workforce of approximately 30,000 people across the Americas, Europe, and Asia. In March 2017, HARMAN became a wholly-owned subsidiary of Samsung Electronics Co., Ltd.



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