

... PARTNER STORY



STADIUMS & ARENAS



OPPORTUNITY

Management decided to upgrade to a high-impact audio system that could deliver even coverage and intelligible sound to every seat, while also simplifying production requirements.



SOLUTION

They deployed JBL Precision Directivity loudspeakers along the roof of the stadium. The system also includes a network of Crown amplifiers, Soundcraft mixing consoles and BSS signal processors.

“

HARMAN's audio solutions not only provide great sound to the entire stadium, but they're durable enough for constant use and inclement weather with excellent after-sales service.”

RAJAMANGALA NATIONAL STADIUM, THAILAND

Mahajak Development and Baan Rig recently deployed a complete HARMAN Professional Solutions audio system featuring JBL, Soundcraft, Crown and BSS solutions at Rajamangala National Stadium.

Home to Thailand's national football team, Rajamangala is a 65,000-seat sports and entertainment venue that also hosts international events such as the AFC Asian Cup, pop concerts and political rallies. Rajamangala's management recently decided to upgrade to a high-impact audio system that could deliver even coverage and intelligible sound to every seat, while also streamlining and simplifying production requirements. They hired audio integrators Mahajak Development and rigging experts Baan Rig to deploy an array of JBL Precision Directivity loudspeakers along the roof of the stadium. The system also includes a robust network of Crown DCi Series amplifiers, Soundcraft digital mixing consoles and BSS signal processors.

“Rajamangala is a huge stadium, so covering every seat evenly was a challenge in itself,” said Pongsakorn Kanchanachayphoom, Project Director of Mahajak Development.

“Mounting the speakers on the roof of the stadium was highly challenging as well, and we had to carefully balance their weight and position when rigging up the system. We worked in close coordination with Baan Rig to secure everything safely while ensuring optimal audio coverage.”

Mahajak chose JBL Precision Directivity 6212, 564, 595, and 5122 loudspeakers for their high output, focused dispersion patterns and WRC weather protection. Strategic placement of the PD speakers and the addition of subwoofers created a powerful full-range system that could project evenly across the stadium. Crown DCi4 1250N and 2400N amplifiers provide high-efficiency power to the array while integrating with the stadium's digital network. BSS BLU-100 digital signal processors route audio seamlessly with a convenient and stable digital architecture, and all mixing is done on Soundcraft Si Impact digital mixing consoles.



AKG

AMX

BSS



dbx

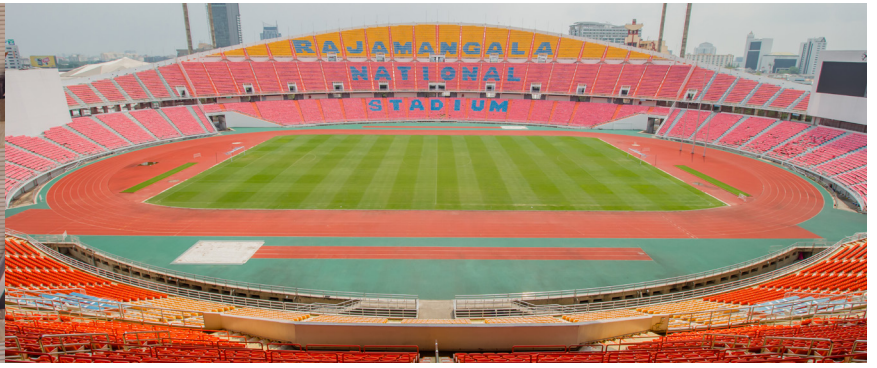
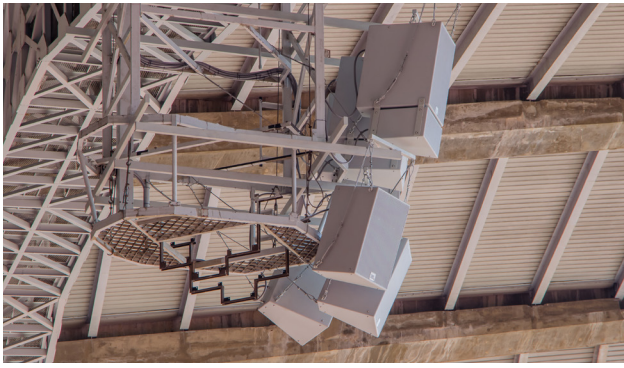


lexicon

Martin

Soundcraft

STUDER



“
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“Large-scale, multi-use venues like Rajamangala require advanced audio systems to deliver clear voice and music coverage across all seating sections,” said Pongsakorn Kanchanachayphoom, Project Director of Mahajak Development. “HARMAN’s audio solutions not only provide great sound to the entire stadium, but they’re durable enough for constant use and inclement weather with excellent after-sales service, which was one of the many reasons we were chosen.”

“Elevating the audience’s experience at Rajamangala National Stadium is an absolute delight for us at HARMAN Professional Solutions,” said Ramesh Jayaraman, VP & GM HARMAN Professional Solutions, APAC. “We thank Mahajak Development and Baan Rig for their expertise and thoroughness in safely installing a world class HARMAN audio system in this international sporting venue.”

PRODUCTS USED

BSS BLU-100 SIGNAL PROCESSORS

CROWN DCI 4I1250N AND 4I 2400N POWER AMPLIFIERS

JBL PRECISION DIRECTIVITY PD6212, PD564, PD595, AND PD5122 LOUDSPEAKERS

SOUNDCRAFT SI IMPACT DIGITAL MIXING CONSOLES

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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