





OPPORTUNITY

Owners wanted to provide excellent sound quality for background music and announcements across a wide range of facilities and attractions throughout the Park.



SOLUTION

Mahajak Development installed a multizone distributed audio system that features JBL Professional loudspeakers, Crown amplifiers, Soundcraft mixers and BSS digital audio processors.



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THAILAND'S VANA NAVA JUNGLE WATER PARK

Mahajak Development recently installed a multi-zone distributed audio system by HARMAN Professional Solutions at Vana Nava Jungle Water Park.

Located on eight acres outside of Hua Hin, Thailand, Vana Nava is Asia's first "water jungle" and is one of the most popular tourist destinations in the region. In addition to over 20 water slides, rides, and a jungle with more than 200,000 species of plants and trees, Vana Nava features world-class restaurants, bars, music venues and private event spaces. In order to provide excellent sound quality for background music and announcements across a wide range of facilities and attractions, developer Proud Real Estate hired Mahajak Development to design and install a complete HARMAN networked multi-zone audio solution throughout the entire park.

"The project required a great number of loudspeakers, and the HARMAN constant-voltage speakers enabled us to extend the number of outputs and minimize power loss over long speaker cable runs," said Roengrith Jantarima, Project Manager, Mahajak Development. "The park has been up and running smoothly for five years now, and we continue to provide Vana Nava with technical support and maintenance. Thanks to the durability and seamless integration of the HARMAN solutions, we haven't had to replace anything due to equipment failure. The park's audio system sounds as good today as the day it was opened."

The system installed by Mahajak Development includes JBL loudspeakers, Crown amplifiers, Soundcraft mixers and BSS digital audio processors. The wide range of indoor and outdoor spaces at Vana Nava are outfitted with JBL Professional Control Contractor Series loudspeakers, offering a variety of surface-mount, in-ceiling and in-wall models for any architectural, aesthetic or system performance requirement. Additionally, the water park zone is augmented by JBL AE Series, EON500 Series and PRX700 Series speakers. The entire system is powered by Crown CDi Series and XTi 2 series amplifiers.























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A Soundcraft FX16ii 16-channel mixing console sits at the center of the HARMAN system, while dbx DriveRack Series loudspeaker management systems handle the multi-zone processing and distribution of audio. A BSS Soundweb London BLU-80 device offers configurable I/O, signal processing and CobraNet audio. Finally, BSS BLU-8 wall-mount controllers enable intuitive level control and source selection in the different zones across the park.

"It's exciting to note that HARMAN provided a professionally controlled multi-zone sonic infrastructure for their complex networked audio system at Vana Nava Jungle Water Park in Thailand," said Ramesh Jayaraman, VP & GM, HARMAN Professional Solutions, APAC. "Mahajak Development has been one of our long-standing partners and we are looking forward to seeing this relationship grow in the future."

PRODUCTS USED

JBL PROFESSIONAL CONTROL CONTRACTOR SERIES SPEAKERS

JBL PROFESSIONAL AE SERIES SPEAKERS

CROWN CDI SERIES AMPLIFIERS

CROWN XTI 2 SERIES AMPLIFIERS

SOUNDCRAFT FX16II MIXING CONSOLE

BSS SOUNDWEB LONDON SIGNAL PROCESSORS

BSS BLU SERIES CONTROLLERS







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