

CASE STUDY



STADIUMS & ARENAS



OPPORTUNITY

To provide world-class audio experiences for fans and attendees of a wide range of events, Long Island's newly constructed UBS Arena required a state-of-the-art arena audio solution.



SOLUTION

Wrightson, Johnson, Haddon & Williams, Inc. designed and Diversified installed a sophisticated system consisting of more than 950 JBL loudspeakers, including VTX Series line array speakers.

UBS ARENA, NEW YORK

Opened in 2021, UBS Arena is a multi-purpose indoor arena located in Long Island, New York. Home to the NHL's New York Islanders, UBS Arena has a capacity of 19,000 and hosts basketball games, concerts, corporate events and professional wrestling broadcasts in addition to Islanders' home games. To provide world-class audio experiences for fans and attendees of a wide range of events, the newly constructed facility required a state-of-the-art arena audio solution.

The solution—designed by consultant group Wrightson, Johnson, Haddon & Williams, Inc. and installed by integrators Diversified—consists of over 950 JBL loudspeakers, including eight main bowl arrays of JBL VTX A12 speakers and S28 subwoofers, and a variety of PD Series, AWC Series, VRX Series, Series loudspeakers in balcony, concourse, back-of-house and delay positions. The entire system is powered by Crown I-Tech Series and DCi Series amplifiers, with network control and signal processing provided by BSS Soundweb London devices.

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“We are the multifunction arena here on Long Island, New York—hosting everything from hockey to basketball, large concerts, corporate events, meetings,” said Brian Jones, AV Systems Engineer In Charge, UBS Arena. “We’re trying to provide the top level experience for all those, whether its thousands of fans here for a concert, making a memorable night, or a small group of people having a meeting here in one of our great spaces. In the bowl, we have our line arrays filled out with VTX Series speakers which is filling the arena with amazing sound for sporting events, pumping up the crowd, and delivering crisp and clear PA announcements.”

“One great thing about this system is its all in one family of products,” said Jones. “Everything talks to each other well and integrates well. We have all our JBL speakers powered by Crown amplifiers with signals driven by BSS products. They all work together really well—using the HARMAN Audio Architect system, we’re able to orchestrate all of that.”





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“When good sound hits you it's a physical experience,” said Jones. “The JBL system here can really drive that sound to our fans, and give them that experience. It's not just loud. Loud can be painful and uncomfortable. This system delivers volume along with clarity. You can still hear it and understand it, and you can still feel it.”

“We specified the A12s for a variety of reasons,” said Scott Bray, Consultant, Wrightson, Johnson, Haddon & Williams, Inc. “It met a size mark, because scoreboards are getting bigger all the time. They're getting taller and wider. We had a limited amount of space we had to fit into the rigging grid. The versatility of the JBL system met the requirements in terms of budget, SPL, performance and fitting into the grid.”

“The ownership group wanted the sound quality to be as good as Madison Square Garden,” said Bray. “We went above and beyond that. The main array system is in stereo. We have eight clusters so we can do left-right configuration all the around the scoreboard. Delays are individually powered so that concert crews can come in and tie into those delays and have a completely time-aligned system all the way back to their main stage arrays.”

PRODUCTS USED

5	BSS BLU-120 I/O EXPANDERS
13	BSS BLU-806 SIGNAL PROCESSORS
15	BSS BLU-BIB BREAK-IN BOXES
33	BSS BLUCARD-IN MIC/LINE CARDS
10	BSS BLUCARD-OUT OUTPUT CARDS
20	BSS EC-8BV-BLK-US ETHERNET CONTROLLERS
41	CROWN DCI 4 600N AMPLIFIERS
10	CROWN DCI 4 1250N AMPLIFIERS
12	CROWN DCI 8 600N AMPLIFIERS
56	CROWN I-TECH 4X3500HD AMPLIFIERS
2	JBL 306P MKII LOUDSPEAKERS
18	JBL AM7212/64 LOUDSPEAKERS
24	JBL AWC82 LOUDSPEAKERS
10	JBL CBT1000 LOUDSPEAKERS
24	JBL CONTROL126WT LOUDSPEAKERS
2	JBL CONTROL 128WT LOUDSPEAKERS



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17	JBL CONTROL 16 C/T LOUDSPEAKERS
72	JBL CONTROL 226C/T LOUDSPEAKERS
138	JBL CONTROL 24CT LOUDSPEAKERS
43	JBL CONTROL 25-1 LOUDSPEAKERS
2	JBL CONTROL 26CT LOUDSPEAKERS
11	JBL CONTROL 28-1 LOUDSPEAKERS
6	JBL CONTROL 328C LOUDSPEAKERS
18	JBL CONTROL 328CT LOUDSPEAKERS
270	JBL CONTROL 47C/T LOUDSPEAKERS
12	JBL CONTROL 47HC LOUDSPEAKERS
9	JBL CONTROL 47LP LOUDSPEAKERS
75	JBL CONTROL 65P/T LOUDSPEAKERS
4	JBL CONTROL SB2210 LOUDSPEAKERS
9	JBL PD566 LOUDSPEAKERS
31	JBL PD595 LOUDSPEAKERS
8	JBL PD764I LOUDSPEAKERS
6	JBL PRX812W LOUDSPEAKERS
8	JBL PRX818XLFW SUBWOOFERS
8	JBL VRX932LA-1 LOUDSPEAKERS
96	JBL VTX A12 LOUDSPEAKERS
32	JBL VTX S28 SUBWOOFERS



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