

Success Story

Stade de France upgrades to Dante with Audio ToolBox AVBx7 and a new monitoring software

The need for utmost reliability and sustainability in an XL facility



THE NEED

The iconic Stade de France located in Paris' outskirts, sitting 80 700, is the largest stadium in France. A landmark venue hosting both world-class sports events and giant concerts, the Stade decided to upgrade its global EtherSound-powered audio system installed in 2011. Opting for a Dante operating audio structure, Stade de France management tasked integrator B LIVE and AuviTran with this project within strict time constraints, while preserving as much of the existing hardware as possible.

THE CHALLENGE

Launched in 2011, the existing audio system at Stade de France was designed to operate both the Security and Entertainment audio infrastructures under EtherSound protocol. It smoothly interfaces 24/7/365 with a gigantic NEXO network of 200+ speakers and 50+ amplifiers. An installation designed by AuviTran that now needs an upgrade to Dante audio standard.

The whole software monitoring system - both configuration and management - needs a complete rewriting under strict deadlines, while EtherSound hardware will be replaced with Dante material interconnecting with existing NEXO systems (speakers and amplifiers).

The newly designed monitoring software should cover the large-scale facility with utmost robustness and reliability. It should also interface seamlessly with the ATEIS Security alarm system, guaranteeing its absolute priority. Last, the new system will guarantee smooth, stress-free daily operations under demanding circumstances where security is paramount.

AuviTran's robust hardware and new monitoring software are the best choice to operate an iconic, extremely large facility in full confidence.

THE BENEFITS

- Increased efficiency with fewer equipments
- Robust solution with proven track record
- Custom-tailored software solution
- Separate networks for Security, Entertainment and Guests, increasing safety

THE SOLUTION

The full, cost-effective redesign of the audio monitoring software for Stade de France relies on material with a proven track record, while capitalizing on existing hardware to meet the project deadlines. AuviTran teams have developed a new audio monitoring software to supervise both the entertainment and the ATEIS security audio systems, interfacing with existing NEXO speakers and amplifiers. The upgrade to Dante is operated thanks to **8 sturdy AuviTran Audio ToolBox AVBx-7 equipped with AxC-Dante audio interfaces, both in the arena and control room to supervise the audio distribution.**

The addition of a DSP card to the AVBx-7 ensures a smooth audio processing for equalizing the speakers in the arena. The new software ensures the full control of the audio distribution through 3 distinct redundant IP/Ethernet networks to enhance security, enabling absolute priority of Security messages and alarm over Entertainment audio distribution. An Alarm log is added for traceability. This solution preserves existing hardware and improves sustainability, enabling AuviTran to meet the deadlines in delivering a robust and trustworthy solution. Last, streamlining the audio distribution system with Dante through AuviTran and NEXO equipment enables to reduce the amount of hardware involved.

