

Success Story

ToolBox interconnects AVB MILAN, AES/EBU and analogue audio streams in confidence at Puy du Fou, a landmark entertainment venue



THE NEED

PUYDUFOU

The French Puy du Fou theme park is famous for its gigantic night shows where numbers defy reason: a 23ha open air stage and 2,500 actors recount a piece of French history for a daily audience of 13,000. The park is upgrading a part of its legacy Cinéscénie, an L-Acoustics based ecosystem and needs to seamlessly operate AES/EBU, AVB-MILAN and analogue audio protocols to connect stage racks, consoles, and amplifiers. Puy du Fou has teamed up with French company Agora to build the ad-hoc system that can both bridge protocols and provide a sturdy, stress-free solution where reliability is paramount.



THE CHALLENGE

Puy du Fou technical teams are facing multiple challenges to achieve their large installation upgrade: they need to seamlessly handle and interconnect the various audio protocols operating the whole system. Because of the scale of the installation, 3 Yamaha M7CL consoles work simultaneously to ensure the continuous broadcast and avoid any interruption.

Specifically, the system should operate within an L-Acoustics legacy infrastructure and distribute AVB-MILAN to multiple racks organized throughout the giant Cinéscénie installation, deliver AES/EBU or analogue audio streams to amplifiers that do not work under AES/EBU or AVB.

The teams also need to achieve full analogic fallback between amplifiers and L-Acoustics P1 in case of AVB-MILAN interruption. This spare system guarantees that the show will suffer no audio interruption.

“AuviTran’s ToolBox has unmatched capacities for interconnecting multiple audio protocols: the triple bridge AES/EBU, AVB-MILAN and Analogue has been seamlessly achieved for Puy du Fou”.

Bruno Gondrecourt and David Rocher, AGORA Audio

THE BENEFITS

- Seamless triple protocol bridge : AVB-MILAN, AES/EBU, Analogue
- Reliable fallback to analogue ensuring continuous broadcast
- Custom-tailored support with teams

THE SOLUTION

In order to guarantee that all Puy du Fou requirements will be fully met, Agora Audio teams have turned to AuviTran, which modular bridge solutions benefit from a longstanding reputation of sturdiness and extreme reliability. AuviTran also count among the few to provide a triple bridging capacity between audio protocols, including in critical environments. Therefore, Agora Audio have set up an efficient and reliable structure with several Audio ToolBox AVBx3 equipped with AxC interfaces to interconnect AVB MILAN, AES/EBU and Analog audio streams.

Additionally, the ToolBox specific features guarantee a swift switch to analogue redundancy in case of AVB interruption - hence ensuring the show will go on no matter what.

The remote control of the overall system is made possible using AuviTran’s AVS-Monitor and Hive, enabling easy handling and access to all parts of the installation.

