SLG Uses Artel's Quarra for Industry-First Installs of Lawo Diamond Consoles

Background

Swiss systems integrator SLG Broadcast provides radio and TV broadcasters with consulting, installation, and integration services. With experts in networked radio and TV production workflows, the company supports customers in migrating from baseband to IP-based real-time production environments.

Challenge

On behalf of the CH Media Group, SLG carried out the relocation of three radio stations and the audio section of several television channels to the new Leonardo building in Zurich, Switzerland. At the same time a migration to an AES67/RAVENNA audio-over-IP structure was completed with the implementation of the brand new Lawo Diamond consoles for the radio studios and two mc² 32 mkIII audio production consoles for video sound, both IP-based. To network the various sites, SLG needed reliable PTP Ethernet switches that could support current media-over-IP standards and provide the low-latency and time-critical accuracy of demanding production environments.

Solution

SLG installed Artel Quarra PTP Ethernet switches to support seven new Lawo IP-native diamond radio consoles, which SLG deployed in the broadcasters' control and production rooms. Each of the three identically equipped broadcast control rooms provides workstations for an anchor and a co-host, plus a news position and two guest positions.

The IP-native diamond radio console is based on the open AES67/RAVENNA audio-over-IP network standards and also complies with SMPTE ST 2110-30/-31 and ST2022-7 standards. The Quarra accommodates all of these standards, provides leading-edge PTP switch technology, and supports the broadcaster's implementation of the Lawo consoles by providing the breadth of essential features and functionality.

"This was a large-scale implementation of media-over-IP, and we chose to work with Artel because we trust both the company and its Quarra switches," says Francesco Mattuzzi, Project Manager of SLG Broadcast. "The install was straightforward, as we anticipated, and our customer was very pleased with how smoothly we were able to complete the project."

"We knew going into the project that Quarra has enabled many successful migrations to IP," adds Steve Handke, Head of Technology TV & Radio at CH Media. "Given this track record, we were confident following SLG's recommendation of the Quarra along with our new Lawo consoles."
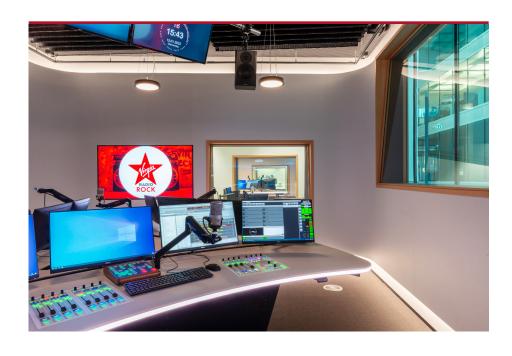
Results

With Artel's Quarra PTP Ethernet switches facilitating a new audio-over-IP workflow, SLG's radio broadcast customers became the first to deploy Lawo's new diamond radio consoles. Integration and installation by SLG were completed quickly, and both the Artel and Lawo systems are now up and running trouble-free.

"SLG has been a great partner for Artel, and we're proud to be trusted by the company — a leading systems integrator specializing in IP migrations — for these types of mission critical implementations," says Artel Sales Director Paul Seiden.