



Tunnel in Peru: New Gateway to Machu Picchu

An important infrastructure project has been completed in Peru's Cusco region, opening up a brand new route to Machu Picchu thanks to the construction of a 1.7-kilometer tunnel.

Beyond the ongoing construction, the project also calls for advanced communication systems—both public address and evacuation networks—to ensure the tunnel operates safely and supports the smooth flow of tourists heading to Machu Picchu. As part of this initiative, Ambient System teamed up with a local partner to deliver an IP-based public address and evacuation system.

EN 60849, using equipment certified to the EN54 standard.

- › Deployment of a TCP/IP-based system seamlessly integrated with the tunnel's existing MSN infrastructure.
- › There was a requirement to minimize the space taken up in rack cabinets for mounting amplifiers.

and real-time status monitoring. Horn speakers compliant with the EN54 standard ensured clear audio transmission throughout the tunnel. All components met European requirements for alarm and evacuation systems, guaranteeing reliability and safety.

CLIENT GOALS

The client's goal was to meet all project requirements set forth by the investor:

- › Install a public address system compliant with the required standard

DELIVERED SOLUTION

The system featured compact DSO miniVES 4002 LNR cabinets serving as central control units, processing both audio signals and emergency messages within the tunnel. An operator panel with an LCD display provided efficient system management

Supplied Equipment

- › 8 × miniVES 4002 LNR
- › 1 × SMART-CU-11LCD
- › 71 × ABT-T243 horn speakers