

Digital Audio Broadcasting in federal highway tunnels



Working on behalf of the Swiss Federal Roads Office (FEDRO), EBP has guided a project to equip tunnel radio systems in Northeastern Switzerland with the digital audio broadcasting service DAB+.

The analogue terrestrial radio broadcasting service known as FM radio is scheduled to be phased out in Switzerland between 2020 and 2025. The successor standard, known as digital audio broadcasting DAB+ has achieved full coverage throughout the country for several years now. As stipulated by the Swiss Federal Department of the Environment, Transport, Energy and Communications (DETEC), all relevant tunnels in the Swiss federal motorway network are therefore to be equipped with DAB+ by the end of 2018. The ability to broadcast radio programs in tunnels is an important safety factor because it allows authorities to communicate with drivers via car radio in the case of an emergency, in order to issue appropriate safety instructions.

EBP was commissioned to guide the extension of the existing tunnel radio systems with DAB+ for FEDRO's Winterthur subsidiary, serving the cantons of ZH, SH, TG, SG, SZ and GL. To do this, we worked out the technical concept and tender documents, organized the call for tender and supervised the installation in 27 federal motorway tunnels.

Client

Swiss Federal Roads Office (FEDRO)

Facts

Period	2016 - 2018
Project Country	Switzerland
Number of tunnels	27
Number of radio programs per tunnel	33 to 72
Region	Northeastern Switzerland

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