

Funkwerk Mobility Platform: Application from SonoBeacon

ACCESSIBLE PASSENGER INFORMATION IN PUBLIC TRANSPORT 4.0



Our solution enables people with visual and hearing impairments or low German language skills to find, reach and use stops, platforms and vehicles across the board.

ACCESSIBLE CUSTOMER EXPERIENCE HIGHLIGHTS

Funkwerk thus supports the political will and social consensus that digital and inclusive passenger information is necessary.

Location-based, digital information embedded in the audio content by means of SonoTags is played via existing loudspeakers in vehicles and at stops. An integrated SonoScanner in public transport apps recognises the SonoTags and plays the relevant information to the passenger. As text, voice message, image or video. And the whole thing is translated into the preset national language of the smartphone.

- » primary use of existing infrastructure
- » high benefit and relevance for passengers
- » fast, cost-effective implementation
- » expandable for the use of further consumer services
- » high reliability
- » high relevance for many groups of people

TECHNICAL DATA

SONOTAGGER

Application used to embed SonoTags in audio content

Operating systems: Linux, MacOS, Windows (x86)

SONOSCANNER

The SonoScanner SDK is integrated into apps as a library and enables the detection of SonoTags when receiving audio via the microphone and triggers the associated information on the smartphone.

Operating systems: iOS (Swift), Android (Kotlin)

SONOSCANNER

Compact, energy-autonomous ultrasonic transmitters whose signal is received via a microphone and location-based information can be displayed on smartphones via app.

Frequency range: above 20 kHz

Power supply: self-sufficient (integrated battery)

Battery life: 1 year
