Customer Solution

Stuttgarter Strassenbahnen SSB

Fields of application at Stuttgarter Strassenbahnen:

- Centralized control room solution to distribute announcements and information at platforms and tram stops in the Stuttgart area, using already existing PA systems
- Intuitive web-based user interfaces to select announcements on a group- and time-individual basis, via loudspeaker systems (PA) from various manufacturers
- Centrally automated and situationally manual public addresses to inform passengers, as well as organized call-diversion to staff, e.g. during shift operation
- Targeted distribution of situational announcements by staff using radio equipment or mobile handsets, switched to the appropriate PA loudspeaker lines
- Distribution of various radio communications circuits for railway, bus and service vehicles to listener stations via VoIP, using the existing data network.
- Predefined alarm announcements, centrally controlled by an emergency response host computer, e.g. at platforms and train stations, in evacuation or other emergency situations

tetronik GmbH

Safe and reliable alarms, information and communication – since 1958

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Alert, Inform and Notify

Initial Requirements

All job tasks that arise in connection with the applied traffic control systems for the public transport and the communication that is required therefor come together in a central control room. A centralized and user-optimized technical implementation was required to optimize efficiency and costs, enabling both predefined automated announcements and manual situational public addresses at every public transport station.

> ***„The solution was developed in close cooperation with tetronik to our fullest satisfaction. The concerted approach to migration ensured full protection of our investments for our already existing PA systems from various manufacturers."***
>
> *Mr. Burkhart,*
> *Stuttgarter Strassenbahnen*

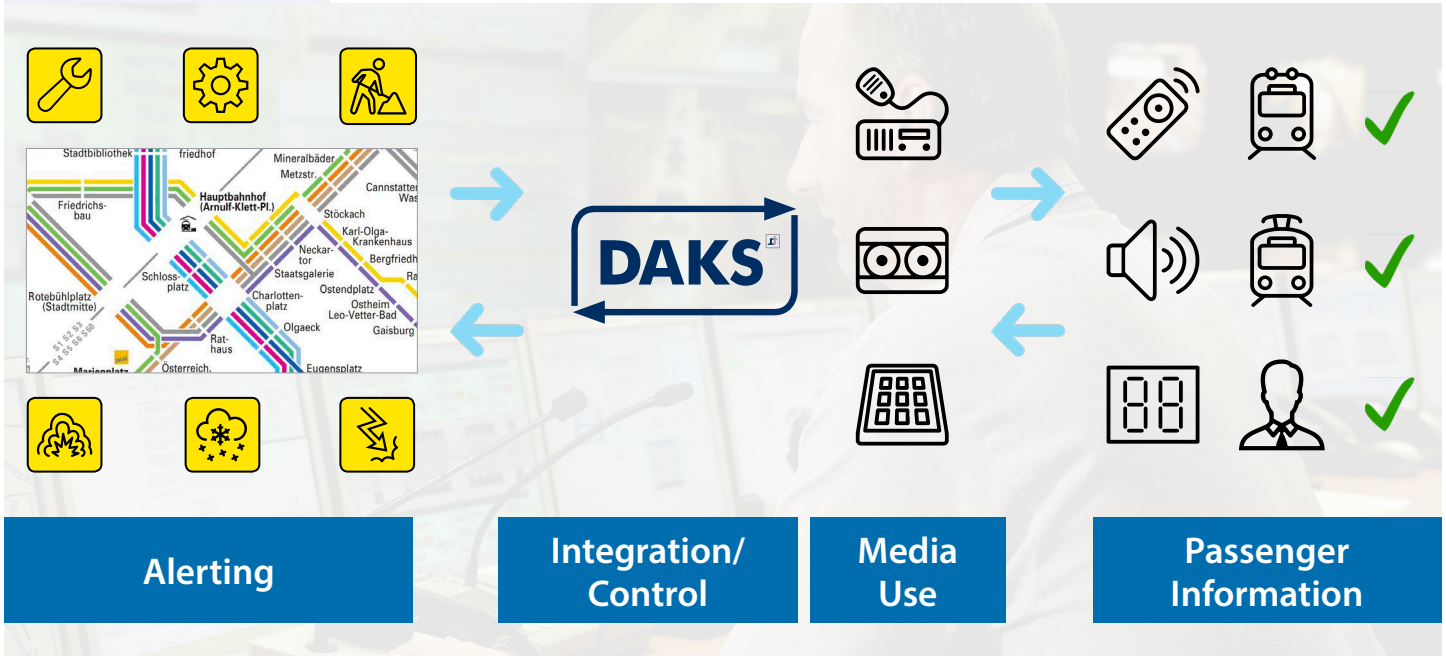
Solution based on the DAKS Alarm Server

The technical implementation is accomplished on the basis of several combined functions of the DAKS alarm server. Here, also decentralized DAKS systems and VoIP are integrated via the customer network for audio link-up to already existing paging amplifiers (PA) at the various public transport stops.
A graphic browser-based user interface allows for an efficient control by forming entire groups on the fly as well as by addressing specific stops, directions of traffic or liner trains individually. The required alarm communication is then output at various terminal devices and public address systems located at the pertinent public transport stops. Also, the Text-to-Voice process is used to automatically generate media-converted announcements.

Customer Benefits

The DAKS solution and the centralized user interface made it possible to optimize costs and improve our processes. What is perhaps even more, the solution fully incorporated our various already existing public address (PA) systems and realized the objective to protect our investments by ensuring the further application and use of our already existing loudspeaker systems along our public transport stops.

Solution Schematic



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