

# System of remote emergency notification for MOTOTRBO radios

The best solution for MOTOTRBO with Generic Option Board

The notification system is dedicated for organization of radio communication and loud notification that provides control and cooperation of the workers and notification about emergency situations.

## Description

The system is built with use of mobile radio device and loud notification that are installed to transportable or fixed object, and a set of portable radios, which are connected via common channel, given to a leader and workers.

Devices of loud notification provide reproduction of the commands (messages) of subscriber located at any point of the working area, and notification of the workers about emergency situations.

The notification system can be used in works on infrastructure objects of the railways, thoroughfares, construction sites, mining enterprises, bridges, hydraulic works etc.

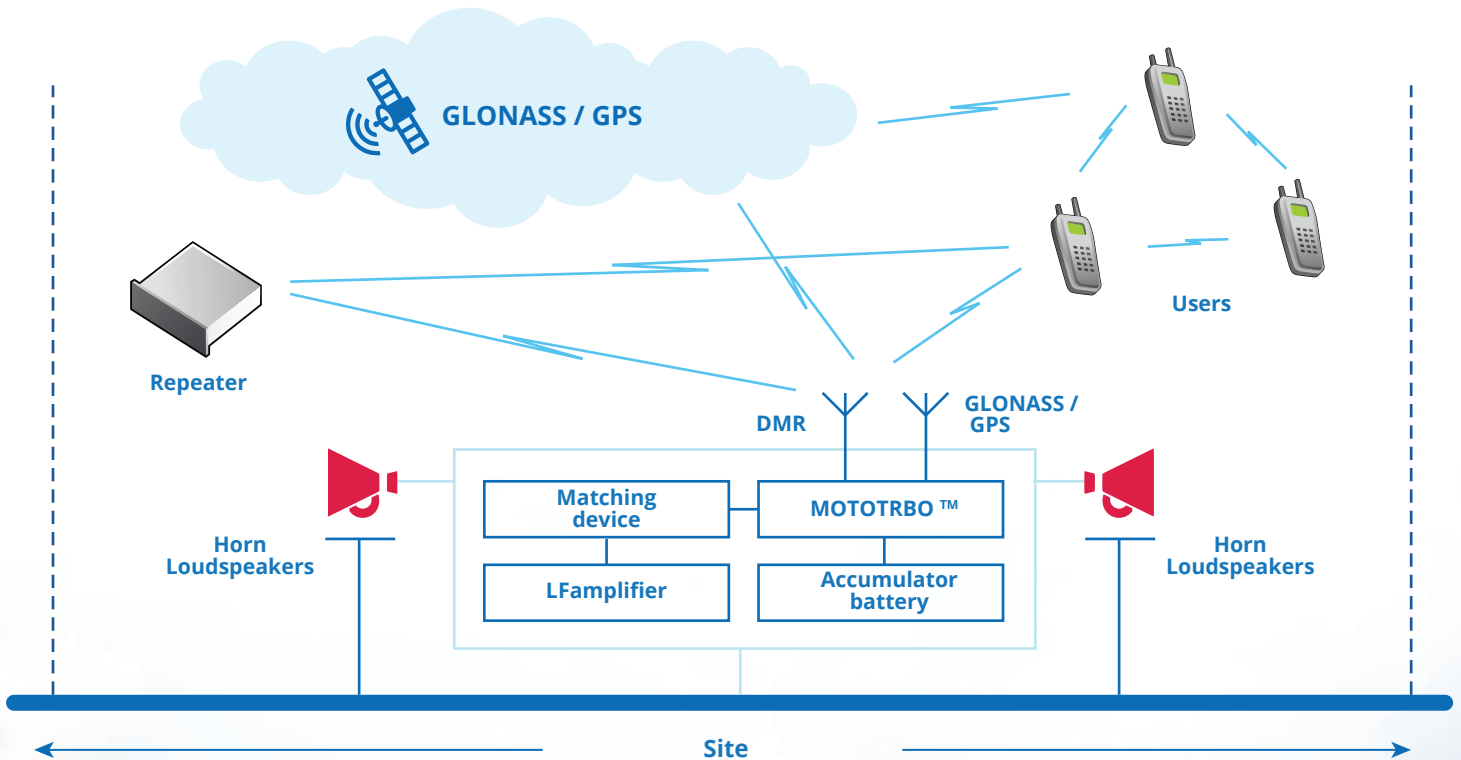
## Advantages

- + Organization of remote control of subscriber location;
- + Tracking of the subscriber status: angle of tilt, mobility and acceleration;
- + Reproduction of the messages about events through the radio speaker or loudspeaker;
- + Translation of the subscriber voice messages to the loudspeakers;
- + No need in rework of ATEX radio;
- + Organization of the wireless notification system;
- + Coordination of the staff actions while work in noisy environment;
- + Improvement of the safety of works and life protection;
- + Optimization of the working process;
- + Available in mobile and portable variants.

## Main features

- + Three modes of work: communication via radio, loudspeaker and radio speaker;
- + Control of status and location of the subscribers;
- + Text and voice emergency messaging;
- + Built-in diagnostic system eliminates failures in work;
- + Control and coordination of the staff through mobile and loudspeaker communication;
- + Loudspeaker translation of the voice messages from the microphone of the system control panel and portable radio;
- + Automatic notification about crossing the dangerous areas.

### Схема применения



### History of implementation

Practical application of the functions that impact on safety of the operation was used in the remote radio and loudspeaker notification system, developed specially for Russian Railways. The introduced algorithm of self-diagnosis system allows providing control of presence of subscribers in radio network, define their status and transmit emergency calls in case of outage of the subscriber which controls arrival the train to the repair works area.

### For Sales and Support

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