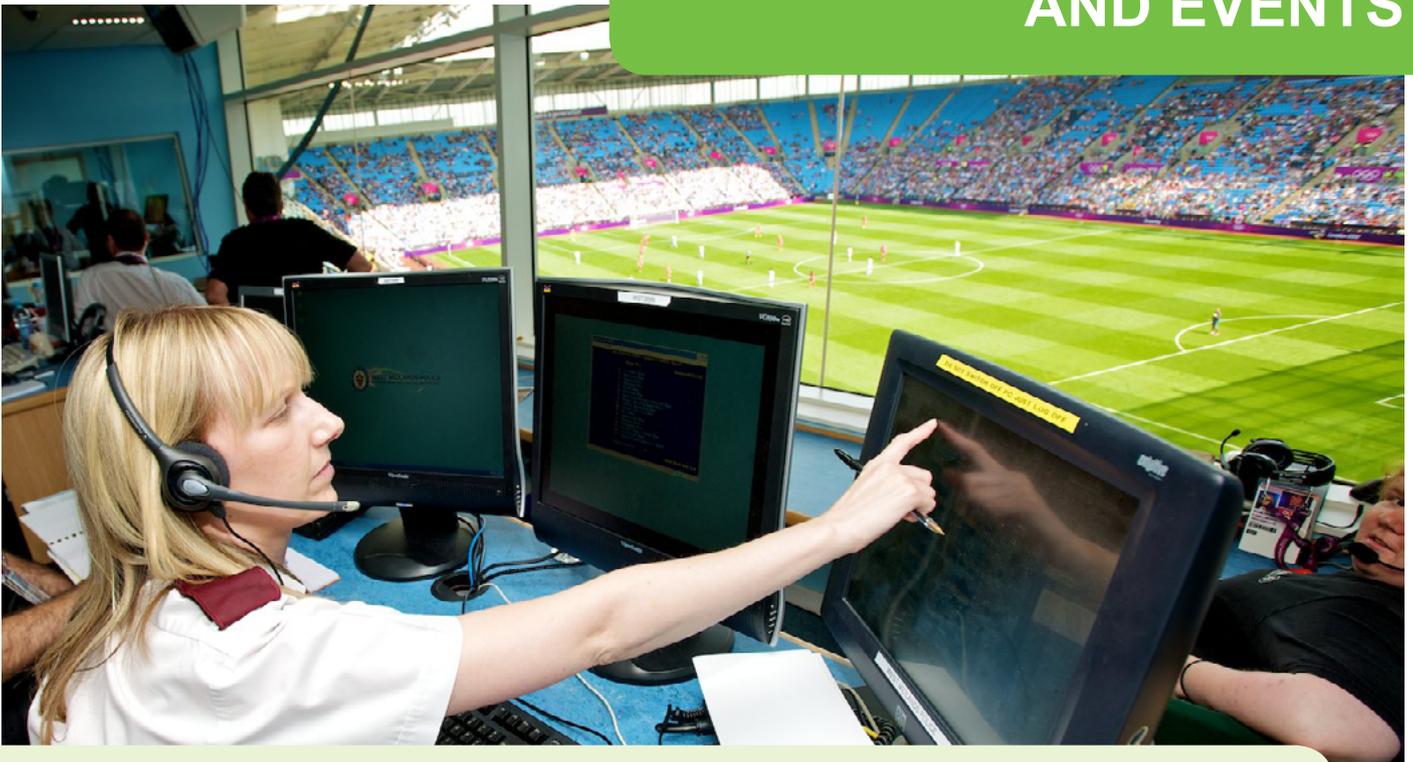




INTEGRATED SOLUTION FOR MOTOTRBO™

RADIO COMMUNICATION SOLUTION
**FOR SPORTS FACILITIES
AND EVENTS**



Can the stadium staff communicate properly in the noisy environment?

Are all the event participants under full control to provide fast reaction in case of any issue?

How the security over the whole territory of the stadium can be provided?

THE SOLUTION IS INSIDE



SmartPTT for Sports Facilities and Events

Stable Connection and Radio System Reliability

In the noisy challenging stadium environment, the stable connection between all stadium staff is of paramount importance. With SmartPTT voice calls and text messages all stadium services can communicate properly and discuss arising problems together, even being in different parts of the object. To ensure stable connection between all event services during a competition SmartPTT Monitoring can be used. SmartPTT system monitoring allows for remote analysis and control of the radio network. It can identify the exact equipment experiencing problems and save time and resources, which are very limited during sport events.



Safety and Security

To ensure the safety of staff and visitors, security needs to be assigned to certain presence levels throughout the stadium. SmartPTT's geo-fencing rules can have specified how much security staff should be in an area and if staffing levels aren't met the dispatcher can address the issue. When an emergency does occur and staff or visitors need assistance, the GPS tracking or indoor positioning can be used to identify the location of the staff needing assistance or identify the location of staff closest to the visitor in distress. This helps reduce response times. Telemetry can be used to notify dispatchers if a door in a restricted area is opened for security to investigate. The SmartPTT voice recording and event log can also be used to later investigate the details of an incident.

Maintenance

SmartPTT offers the advanced fleet management and work coordination functionality. To respond to visitors' needs of levels of cleanliness or operation, dispatchers can respond to janitorial or maintenance notifications by guests or staff by sending a work order to the appropriate staff via SmartPTT's Job Ticketing feature. This helps ensure that visitor areas (i.e. bathrooms) are clean and that equipment (i.e. plumbing, air conditioning) is in working condition. Telemetry can also be used to notify dispatchers of equipment failure.



Interoperability

During a sporting event there can be representatives from different government agencies present like police and fire. The security and administrative talkgroups from the sporting event may need to have interoperable communications with the police and fire agencies to work together if an emergency arises. SmartPTT's cross-patching feature or Radio Network Bridging option enable cross communications even when using different communication platforms like P25 or Tetra.groups or channels helps to enhance fleet communication capabilities.

2014 FIFA World Cup in Brasil

SmartPTT ensured fast stable communication at the FIFA World Cup

System description

- 3 stadiums
- MOTOTRBO Capacity Plus
- SmartPTT Enterprise
- 125 subscribers each stadium

Solutions



Text Messages



Rules and Alerts



Voice Recording



Challenges

- The dispatchers should provide fast operation by contacting only necessary subscribers
- Management needed to control all subscribers' actions
- Information about all events was required to be stored in the system for any cases investigation

Benefits

- Fast communication being able to see subscribers online and offline
- Better control having all calls and events stored
- Full coverage inside and around the stadium

The stadium of Spartak, a leading Russian football team

SmartPTT provided high operational efficiency during the games at Otkritie Arena

System description

- MOTOTRBO Capacity Plus
- SmartPTT Enterprise
- 1 site, 350 subscribers

Solutions



Radio Dispatch



Voice Recording



SmartPTT Monitoring



Challenges

- The activities of several groups of workers should be coordinated
- Identification of the right person in case of an issue
- Clear sound in the noisy environment of the games
- Managers needed to communicate instantly with any worker

Benefits

- Workers can call or text anyone else on the site
- Group calls are available when more than two parties need to consult on an issue
- High operational efficiency
- Quick diagnostics and correction of issues with the equipment

Santander Sailing World Championship in Spain

SmartPTT ensured loud and clear audio in noisy challenging environment

System description

- MOTOTRBO Capacity Plus
- SmartPTT Enterprise
- 1 site, 140 subscribers

Solutions



Radio
Dispatch



GPS
Tracking



Text
Messages



Challenges

- High level of background noise in the sea
- Vast territory to cover by the radio network
- Necessity of location tracking of the boats
- Demand in recording of voice traffic

Benefits

- Immediate communications: with reliable voice and data communications on one system
- Exceptional audio: loud, clear audio in noisy, challenging environment
- Extended coverage: across 90 km of sea
- Enhanced control: dispatch services include GPS, text messaging and voice recording



- **Two-way radio systems integrator and software developer**
- **Motorola professional radio application partner**
- **21 years in the market**
- **More than 220 qualified employees**
- **Customers in over 65 countries worldwide**

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