

# SOCHI 2014

## Hytera DMR Solution Based on RD98X Serves SOCHI 2014

### User

SOCHI 2014, Russia

### Market segment

Mega Event

### Project time

2014

### Products

Hytera Dispatch System

8 RD98X Repeaters

400 PD70X/PD78X Portable Radios



### Background

2014 Winter Olympic Games– international sporting event was held from 7 to 23 in February 2014 in Sochi, Russia. This is the major sporting event in winter sports. A total of 98 events in 15 winter sport disciplines were held during the Games. A number of 12 new competitions were firstly held within the events. 88 countries presented at the Olympic Games. About 100 000 people visited Olympic venues every day.

In the preparation time, organizers put a huge budget into constructing and updating infrastructure. Communication is one of the most important aspects, which caught the sharp focus of the organizers.

### Customer Problem

Due to increased security regulations, the organizing committee demanded **a more stable and reliable solution with professional mobile radios**. But the features of the mountainous terrain made seamless radio coverage over a wide area of the mountain cluster almost impossible: Rosa Khutor Alpine Resort (capacity 7500 pers.), Laura Biathlon & Ski Complex (capacity 7500 pers.), Rosa Khutor Extreme Park (capacity 4000 pers. for freestyle skiing, 6250 pers. for snowboarding), RusSki Gorki Jumping Center (capacity 7500 pers.), Sliding Center Sanki (capacity 5000 pers.).

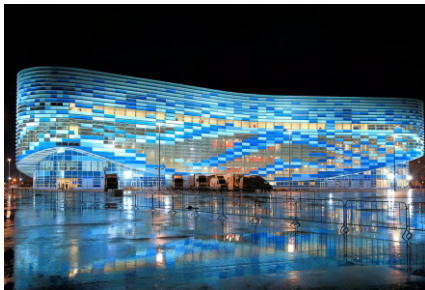


PD68X

RD98X

MD78X





\*The picture is from the network.

## Customer Requirements >>

The organizers of Sochi Winter Olympic Games required Hytera to provide a solution of radio communications infrastructure to support on-call network support and backup service, mobile teams of base stations service, duty dispatch service and emergency communication service, providing ability of geo location and voice recording.

## Hytera DMR Solution >>

Based on the organizer's requirements, Hytera provides complete digital radio communication solution to ensure smooth and secure communication during the whole event, including: Hytera Dispatch System, 8 RD98X Repeaters, 400 PD70X/PD78X Portable Radios.

## Advantages of Hytera Solution

- Solution with optimum price / performance ratio for medium (up to 500 subscribers) radio communication networks for on-call dispatch services.
- 2-slot mode DMR protocol supporting communication of 2 groups at the same time without increasing number of frequencies used by customer and allowing increasing number of radios.
- 8 repeaters combined into 1 IP network, providing seamless radio coverage on the whole territory of the cluster with automatic roaming of subscribers.

## Voice from Customer >>

*"Hytera solution provides seamless radio coverage in conditions of mountain terrain. Dispatch system helps operational services to work more effective."*

— ANO Sochi 2014 Organizing Committee



### Hytera Communications Corporation Limited

Stock Code: 002583.SZ

Address: Hytera Tower, Shenzhen Hi-Tech Industrial Park North, Beihuan RD.9108#, Nanshan District, Shenzhen, P.R.C.

Tel: +86-755-2697 2999 Fax: +86-755-8613 7139 Post: 518057

Http: //www.hytera.com marketing@hytera.com

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