

## G20 Summit 2016, China

### Hytera DMR Solution Provides World-class Communication Support for G20

**User**  
G20 Hangzhou Summit 2016, China

**Market segment**  
Mega Event

**Project time**  
2016

**Products**  
Hytera DMR Trunking Pro  
DS-6210 Base Station  
PD98X Portable Radio



#### Background >>

The 11th G20 Summit was held in Hangzhou, Zhejiang province, China on September 4 and 5, 2016 and achieved fruitful progress around the theme of building an innovative, invigorated, interconnected and inclusive global economy. Hytera was designated to provide world-class communication support for heads of more than 30 states and international organization officials.

#### Security Requirements of G20 Summit >>

The G20 Hangzhou Summit imposed unprecedentedly strict requirements on security. The communication network must remain reliable all the time and provide multi-level protection to handle different emergencies. The network must be seamlessly converging with the products and systems from different manufacturers to realize unified command and dispatch communication. In addition, workload of the project was huge while fast delivery is required in a limited time.

#### Solution >>

During the G20 Summit, Hytera was designated to provide the security guards with wireless communication support and build a communication network that covered the area from Hangzhou International Airport to Hangzhou-Jiaxing-Huzhou Plain. One integrated and visual wireless command and dispatch network was built up so that various security divisions from national ministry, provincial department and field command center can coordinate with each other.

Hytera built nearly 400 base stations and deployed more than 20,000 mobile terminals to ensure that every instruction given by the general command centers could reach to every designated terminal accurately through Zhejiang Public Security Exchange Center.



DS-6210 Trunking Base Station



PD98X





#### DMR Group Base Station

Three-diversity reception: It can improve a base station's capability to receive signals in different directions in a high-density urban area and increase its coverage of fast-moving signals on an expressway, thus effectively improving the communication quality.

Interference detection: The system can automatically detect channel interference and distribute channels accordingly to prevent invalid calls.

Call region restriction: It can effectively balance user load among base stations, thus saving channel resources and preventing losses of calls.

OTAP function: It can quickly set parameters of interphones for the newly-joined personnel, thus largely elevating the efficiency.

#### PUC Unified Communication Platform

The platform realized vertical connection of command systems of the Ministry of Public Security, local Public Security Department, and expressway traffic police. In addition, the unified communication scheduling platform incorporated with public security and traffic police forces in Hangzhou and nearby regions. This all-around and flexible platform was the security foundation of the G20 Summit.

#### New PD98X

As the latest interphone released by Hytera, its outstanding specifications and technologies guarantees multifunctional and reliable communication support for the summit members.

#### Mobile Service Station

Hytera designated engineers and customer service team to build mobile service stations for the Summit security coverage area, such as the airport, regional expressway, West Lake Rim, and Hangzhou International Expo Center. These mobile service stations provided instant communication network maintenance service, thus ensuring higher communication reliability.

### Highlights of Hytera Solution >>

The G20 Summit communication support project is a significant national and international mission given to Hytera. As a world leading solution provider of Professional Mobile Radios communications, Hytera once again delivered a reliable and trustworthy solution from equipment facilitation to field support.

#### Professional Services and Fast Delivery

When the mission accepted in middle May, Hytera promptly dispatched research and development, testing and customer service team together to form up the project team. Thanks to our rich project experience, Hytera delivered the qualified project solution by June 15.

#### Large Carrying Capacity, High Network Stability

During the security period of the Hangzhou G20 Summit, the Ministry of Public Security, Hangzhou Public Security Department, Airport Public Security Bureau, Expressway Traffic Police and G20 summit used Hytera DMR digital trunk system to realize integrated communication. The system adopted fewer devices to carry bulk calls and decreased the waiting time and queue opportunity. When a queue occurs, leaders had a higher priority to use communication resources to give important instructions. The system remained stable, high-efficient and accurate during the summit and was highly praised by the customer.



#### 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](http://www.hytera.com) [marketing@hytera.com](mailto:marketing@hytera.com)

HYT, Hytera are registered trademarks of Hytera Communications Corp., Ltd. © 2015 Hytera Communications Corp., Ltd. All Rights Reserved.