

# China Southern Airlines Company

## Hytera DMR Solution Serves the World's Sixth-largest Airline

**User**

China Southern Airlines Company, China

**Market segment**

Airport

**Project time**

2014

**Products**

- 10 channels DMR trunking communication system
- 500 digital portable radios
- Central voice recording system
- Civil aviation dispatching system
- PSTN telephone system gateway, radios can call telephone and vice versa.



### Background >>

China Southern Airlines Company Limited is an airline headquartered in Baiyun District, Guangzhou, Guangdong Province, People's Republic of China.

It is the world's sixth-largest airline measured by passengers carried and Asia's largest airline in fleet size and passengers carried. It is the fourth-largest airline in the world in domestic passenger traffic and the sixth-largest in scheduled domestic passenger-kilometres flown. From its main hubs at Beijing Capital International Airport and Guangzhou Baiyun International Airport, the airline flies to 193 destinations using a fleet of more than 400 aircrafts.

### Challenge or Demands >>

Since China Southern Airlines' business goes faster and the airline destinations become more than 193, the workload in each airport becomes heavier and hard to improve the efficiency.

The old analog radio system cannot meet the changing business requirements, for example, short of voice channels, no data service. So the requirement of a new digital system which can provide more channels, clear voice, flexible application services, PSTN gateway and good indoor signal coverage became urgent.



DS-6210 Trunking Base Station



PD78X





## Solutions

Hytera DMR trunking system was built with 1 MSO, a 5-carriers base station with main control channel backup and base station controller backup, base station UPS backup, recording system backup etc.

- 10 channels DMR trunking communication system
- 500 digital portable radios
- Central voice recording system
- Civil aviation dispatching system
- PSTN telephone system gateway, radios can call telephone and vice versa.
- Digital signal's seamless coverage in terminals and apron

## Voice from customer

*"After the construction of Hytera Digital Trunking system, all the communication services are going very well and after-sale service from factory is fast and good.*

*The system continuously provides service from 2012 till now without any system exception or failure. And Terminal devices have good performance, clear voice, firm construct and perfect water proof quality.*

*The DMR Trunking system can provide flexible group management, individual call, group call, all call, dispatcher call, and override and disconnect functions to fulfill the civil aviation dispatching business. All these advantages of digital system have helped us improve our daily management and dispatching work efficiency.*

*Hytera's fast and personalized after-sale service fulfilled our daily working requirement. Hope Hytera can continue to provide stable and reliable devices and effective service to customer in the future."*

*Information Engineering Department of China Southern Airline  
Henan Branch Company*



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