

# Patrol System

Management of patrol security personnel and assets

The Hytera Patrol System is a user-friendly and cost-effective solution for the management of patrol security personnel and key assets. Utilising RFID technology, the reliable PD415 DMR radio and Hytera Patrol application, you can monitor your patrol personnel at all times, thereby increasing their safety and efficiency.



# Application

## PATROL SYSTEM



### Highlights of the Patrol System

#### Different applications

The Hytera Patrol System can provide support many different types of application areas, to optimize patrol management. Wherever patrol personnel are being employed, routes can be planned and monitored with the help of the patrol applications. For example, in factories, logistic centres, hotels or in the retail industry.

#### Efficient patrol management

Routes and timetables can be created and adjusted with the help of Hytera software. This allows for flexible changes to routes, and the opportunity to optimise them in relation to your current requirements.

#### Proven DMR radio technology and RFID

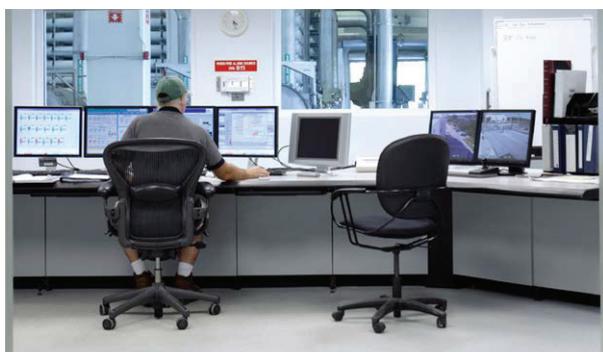
The radio technology employed for the data transfer to the call centre is based on the open ETSI DMR standard. The data of the patrol is collected using passive RFID-capable checkpoints and tags using the reader in the PD415 handset.

#### Flexible usage

A repeater, as well as a mobile radio (MD785/MD785G) can be used as a receiving station. In the case of a repeater, the patrol system is connected via IP, which allows it to be placed at a remote location. If using the MD785/MD785G, this is accomplished with the standard programming cable.

#### Reliable data transfer

If data cannot be transferred to the call centre due to a lack of DMR radio coverage, the PD415 radio will store the information and allow you to transfer this data at a later time. As soon as the radio is connected with the DMR system once again, the patrol data be resent at the push of a button. Alternatively, offline data transfer is possible through the use of a cable.





### How does the patrol system work?

Hytera's patrol system is based on RFID technology and conventional DMR radio from Hytera. The handheld DMR PD415 with an integrated RFID reader is used. With the help of this RFID reader, it is possible to read passive RFID tags.

The RFID tags are made up of a patrol identification card and a checkpoint. These checkpoints are installed in the area to be safe-guarded along the intended patrol route.

Upon taking up their post, the patrol person registers with a PD415 radio and their RFID identification card, and is subsequently logged into the patrol system. If they pass a checkpoint in the course of their route, they can scan it with their radio. The data acquired is transmitted from the radio to the patrol software, where they can subsequently be analysed.

### Functions of the Hytera patrol software

The patrol software offers all the functions for efficient management of patrol personnel and their patrols. Upon receiving the data, it shows the current locations of the patrols and logs them.

### Comprehensive administration

As the administrator you can manage all of the information recorded by the application, patrol personnel, checkpoints, patrol routes and log times.

### Visualization of patrol routes

Import your own site map in to the patrol application, in the form of a graphics file (e.g. JPG). The software then allows you to add your checkpoints, and build in special features such as several floors to the building to allow a complete patrol to be visualized.

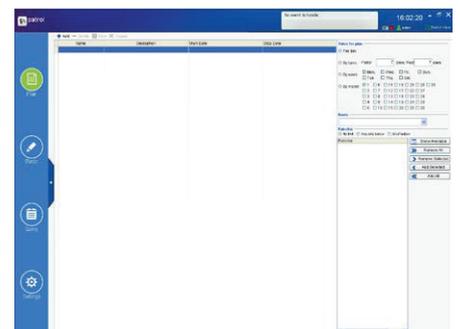
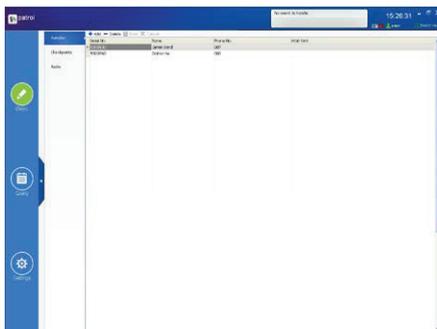
### Analyzing patrol data

The patrol software provides numerous useful functions for searching and statistical analysis of the data received. If needed, they can be exported to an Excel file or a PDF document.

### Structure of the Patrol System

To set up the Patrol System from Hytera, you will need a selection of Hytera's PD415 radios, and the corresponding RFID accessories; RFID identification cards, and RFID checkpoints.

The data of the patrol collected with the help of these components is transmitted by the PD415 radios to a Hytera DMR repeater, or a Hytera MD785/MD785G mobile radio.



## Components of the Patrol Systems



DMR handheld radio PD415



DMR mobile radio MD785/MD785G



Patrol software



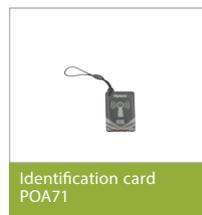
DMR repeater RD625



DMR repeater RD965



DMR repeater RD985



Identification card POA71



Checkpoint POA72

Accessories

Type	Model	Brief Description
Radio	PD415	The PD415 DMR handheld radio gives you conventional DMR radio and an integrated RFID reader. <ul style="list-style-type: none"> <li>— Frequency range VHF: 136 - 174 MHz / UHF: 400 - 470 MHz</li> <li>— Degree of protection IP54 and MIL-STD-810 C/D/E/F/G</li> <li>— Stores up to 250 offline data records</li> </ul>
Accessories	POA71 patrol identification card	The patrol identification card is a passive RFID tag with which the patrol person registers at the radio.
	POA72 checkpoint	The checkpoint is installed at important stations, e.g. inside of business premises or a building.
Software	Patrol software	Used to create patrol duty schedules and for analysing and monitoring the data received from the patrol.
Receiving stations	DMR repeater RD625, RD965, RD985 or RD985s	The patrol software can be connected with Hytera DMR repeaters via IP to receive data from the patrol.
	Mobile radio MD785/MD785G	As an alternative to the DMR repeaters, the patrol software can be connected to a mobile radio MD785/MD785G with the help of a programming cable.

Your Hytera partner:



Further information can be found at:  
[www.hytera.co.uk](http://www.hytera.co.uk)

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