COMMUNICATIONS
& EMERGENCY
OPERATIONS
SOLUTIONS
FOR AIRPORTS

Switch*plusIP*

ALARMON
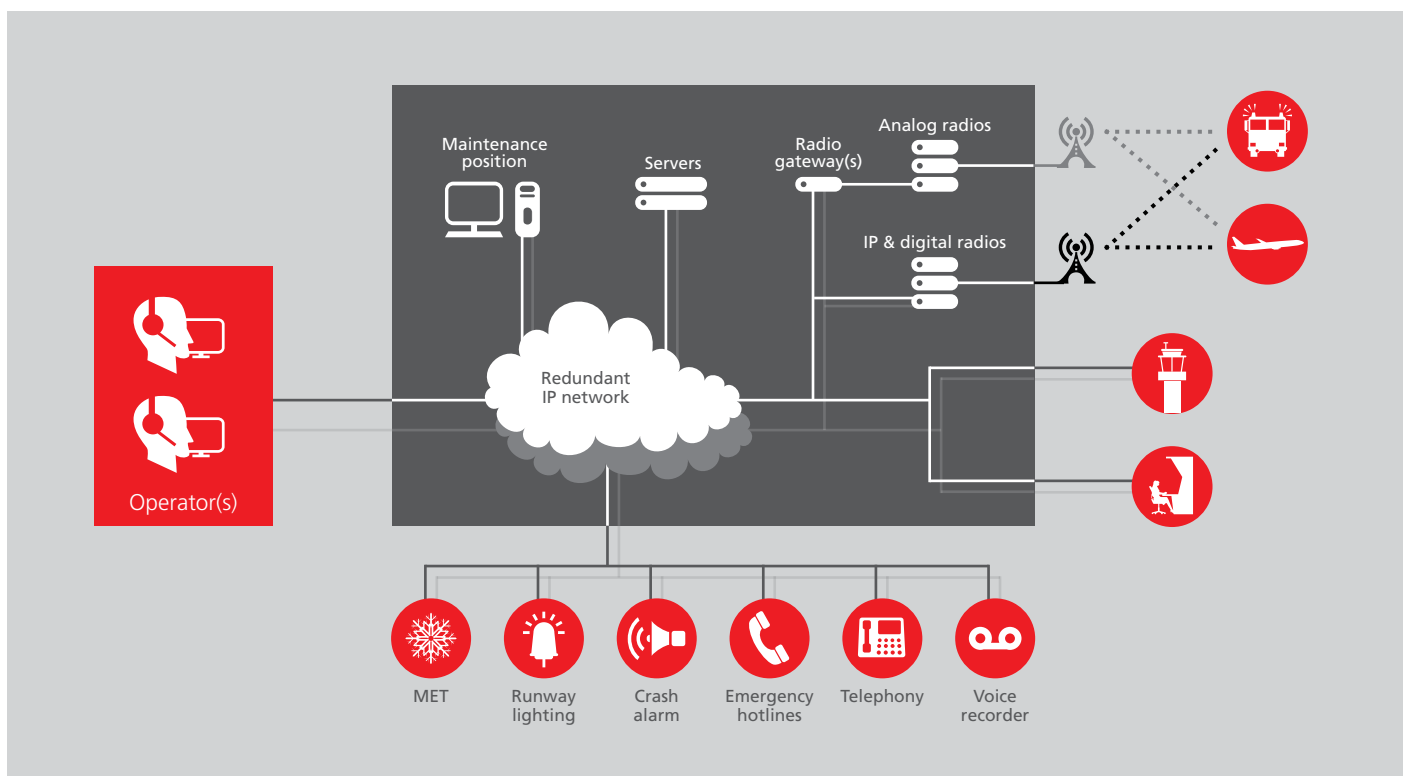
HARRIS®

*assured*communications®

Integrated solutions for airport emergencies

ALARMON is an advanced integrated emergency response coordination system designed specifically for use in airport operations and emergency services. It integrates communications (radio and telephony), alarm monitoring, resource management (personnel and vehicles), facility control, and incident management into a user friendly touchscreen interface. At the heart of the system is the ICAO and EUROCAE compliant Switch*plusIP* IP voice and data communications system, which is used by customers throughout the world in aviation, defence and emergency services.

Maintenance position · Servers · Radio gateway(s) · Analog radios · IP & digital radios · Redundant IP network · Operator(s) · MET · Runway lighting · Crash alarm · Emergency hotlines · Telephony · Voice recorder

INTEGRATED COMMUNICATIONS

ALARMON provides the operator with a completely integrated communications facility. Via the touchscreen, it provides rapid access to all communications using a single headset, handset or the handsfree feature. Communications assets include all ground/ground communications (telephony, emergency response, direct intercom, tower lines and PABX lines with searchable online directories), all air/ground radios (emergency vehicles, airside operations and ATC frequencies) and public address systems. Crisis Rooms can be provided with access to the same facilities via either full remote ALARMON positions or standard IP phones with PTT. In-field mobile operator positions are also available for vehicles providing communication, coordination and logging during major incidents.

ALARM MONITORING

ALARMON provides the operator with the visual status of all alarms being monitored. When an alarm is triggered, the operator is provided with both aural and visual alerts. On the alarm page, the operator can access relevant information about each alert such as location, building details and contents; view site maps and building plans; send alarm information to printers in the fire station and vehicle bays; send alarm and fault information to a remote location when the fire station is unattended; access a hazardous chemical database; simulate alarms and faults for operator training; and access functions from third party alarm panel providers.

OPERATIONS FACILITY MANAGEMENT

ALARMON allows the control and monitoring of external equipment to be brought to the fingertips of operators through the touchscreen. In addition, it can provide control and monitoring functions for a number of airport and fire station facilities. Operators can typically control and monitor crash alarms, booster pumps, lights, doors, exhaust systems, air conditioning and other control functions.

EMERGENCY RESPONSE COORDINATION

ALARMON enables the operator to select and assign duty personnel and vehicles; dispatch emergency response crews; enter incident details to log files; and very importantly examine an accurate time stamped log of all events and operations during an incident review. Customer configured operational instructions allow emergency response procedures to be integrated and automated. This makes it simple for operators to follow correct procedure during incidents, reducing response times and facilitating consistency between operators. The system can automatically broadcast pre-recorded messages over the public address system, open fire station doors, make pre-programmed telephone calls, activate building sirens, flashing lights, and much more.

FEATURES

- Integrated radio communications: ED-137, P25, Tetra, conventional UHF & VHF

- Integrated IP and legacy telephony: PAGA, SIP, E1/T1, PRI/BRI, FXO, FXS

- Facility control: doors, sirens, booster pumps, lighting, access gates & CCTV

- Alarm monitoring: interface to distributed fire alarm panels from buildings and concourse

- Integrated asset management and vehicle dispatch with AVL

- Incident management: multiple simultaneous incidents, integrated log & post report generation

- Fixed and mobile operator positions available

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