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NOVA 9000 RIMCAS

RIMCAS from Park Air Systems is in use at more airports around the world than any other incursion alerting system, and is documented to have avoided incidents, which might have put lives at risk.

Monitoring of aircraft starts 10 miles from the threshold, and includes glide slope and localiser monitoring. As the aircraft nears the threshold, runway checks are performed. Having landed, distance, time and acceleration checks are performed against departures and any other object on the runway strip. For security, restricted area and authorised access may be applied to aircraft and vehicles.

As new sensor technology is implemented at airports, including ADS and Mode-S Multilateration, RIMCAS is adapted to permit more advanced safety logic. Even using a single SMR, RIMCAS provides advanced functionality and numerous safety scenario configurations.

All RIMCAS logic is configurable to suit different scenarios and airport configurations.

The system is approved and operational at more than 15 airports on four continents (London Heathrow, Paris CDG and Toronto amongst others).

FEATURES

1. Easily adaptable/configurable
2. Selection of monitoring on/off)
3. Programmable alert levels
4. Configurable colours and audible alerts
5. Manual or automatic visibility setting
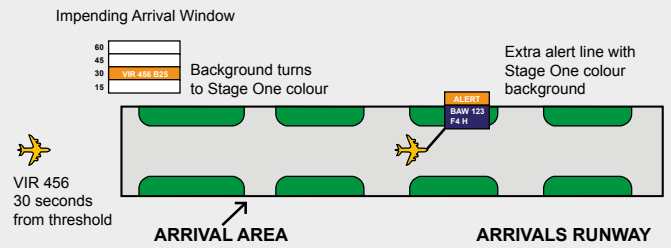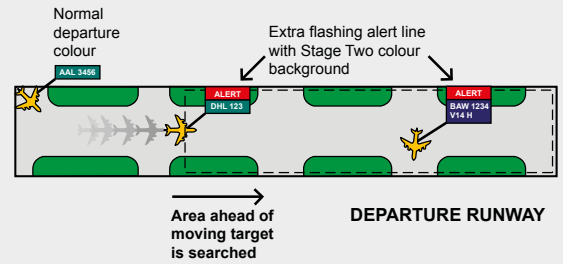6. Uses multi-sensor data fusion for processing

NOVA 9000
RIMCAS

FUNCTIONS

Monitoring of:

1. Approaching/landing
2. Departure
3. Departure lineups
4. Opposite direction
5. Restricted areas
6. Runway crossing
7. Taxiway separation
8. Crossed stop bar
9. Runway status

ARRIVAL/LANDED

Impending Arrival Window

60
45
30
15

VIR 456 B25

Background turns to Stage One colour

Extra alert line with Stage One colour background

ALERT
BAW 123
F4 H

VIR 456
30 seconds
from threshold

ARRIVAL AREA

ARRIVALS RUNWAY

DEPARTURE/CROSSING

Normal departure colour

AAL 3456

Extra flashing alert line with Stage Two colour background

ALERT
DHL 123

ALERT
BAW 1234
V14 H

Area ahead of moving target is searched

DEPARTURE RUNWAY

STOP-BAR CROSSED

DHL 123

KL 1234

ALERT
BRA 4321

CROSSED

RESTRICTED AREA

Extra flashing alert line with Stage Two colour background

Restricted Area

ALERT
FIRE 1

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