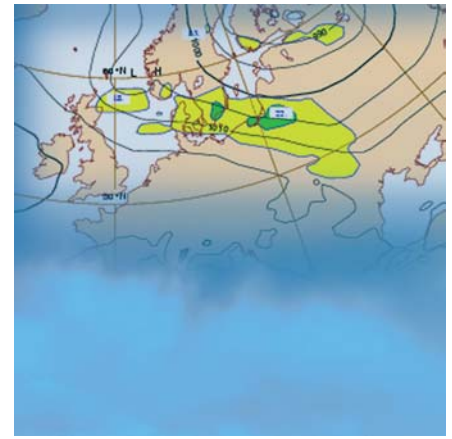


Solution Case Study



A UK based weather forecasting centre improves personnel safety & monitoring capabilities using Eureka-iD.

The weather forecasting centre supports 26 European States and their main objective is to develop numerical methods for medium range weather forecasts, distribution, collection and storage of data as well as certain technical and scientific research projects.

Investment protection

The centre has a state-of-the-art super computing facility that each of the European member states has access to. Protecting this investment in terms of data and personnel safety needs to be tightly controlled and monitored. A system was required to control the enabling and disabling of the centres security system and to provide information on the numbers of personnel in gaseous fire suppression system areas.

Eureka-iD system

The weather centre chose to control and monitor the movement of personnel using the Eureka-iD tagging system, able to provide the highly accurate identification and tracking data for the staff and contractor movements they required.

Personnel movement

Each member of staff and contractor working in the large computer halls are issued with a Eureka-iD tag and along with a network of Eureka-iD readers and antennas the system monitors the movements of personnel from one zone to another. As personnel move around different zones, their locations are monitored on a screen in the main control room and at the same time updates to the centres main security system are made to ensure that there are no false intruder alarms.

Eureka-iD Software



Equipment and staff safety

Eureka-iD allows the centre to monitor personnel who are in the computer halls in the event of a fire. The computer halls are protected by a gaseous fire suppression system, which is typical where large electrical systems are in use. In the event of a fire the halls are filled with an inert gas to control and extinguish any fires. Therefore reducing the need for the use of water or chemicals extinguishers and preventing damage to the extremely expensive super computers.

The Eureka-iD system is monitored during a fire alarm state to ensure that the gas is not released until all personnel have evacuated the computer halls. Any missing personnel can be reported to security and emergency staff quickly along with their last known locations.

Conclusion

The Eureka-iD tagging system provides a comprehensive personnel monitoring and security system that allows the centre to quickly locate and identify the whereabouts of staff and contractors within the centre and its computer halls.

Further to the improved monitoring capabilities in the centres control room any gaseous fire suppression systems can be activated much more quickly and efficiently knowing that all personnel are vacated from these areas helping to minimise any damage that could be caused by fire.



Mass Evacuation & Personnel Location Using Eureka RFID

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