

Hospital Complex

Within the grounds of an existing hospital complex a new central administration block had been built. One of the functions of this new building was to monitor all fire alarms around the site.



Problems

- The hospital complex consisted of eighteen remote buildings
- Each building had its own operational hard-wired fire alarm system from different manufacturers – some were just two years old, but many were much older
- There was an operational requirement for staff in the new central admin block to monitor the condition of the fire alarm systems in each of the remote buildings

Solution

Due to the nature and layout of the site, costs for hard-wire solutions were very expensive. In addition timescales of six months had been quoted to implement the costly external civil and electrical engineering works.

The solution was provided by an EMS radio site-wide signalling system. This consisted of eighteen ½ watt 7941 transmitter units interfaced to each of the fire alarm panels, one each building.

Some of these buildings were in excess of 1km away. Each 7941 unit transmitted to a 24-zone EMS 5000 FirePoint controller panel situated in the central admin block. This was itself also interfaced to the existing hard-wired fire alarm system in the admin block.

The EMS 5000 FirePoint controller then provided all the necessary alarm and fault monitoring for the entire site.

The whole system was successfully installed and commissioned within four days and at a fraction of the cost of traditional solutions.