

Pharmaceutical Site, Stevenage

Fire Alarm, PAVA Upgrade, Life Safety & Remote Monitoring Solution



LIFE SAFETY SYSTEM COMPONENTS

- Fire Alarm Panels & fire devices
- Fire alarm site wide fibre network
- Voice Alarm System
- Aspirating System
- Sounders & Beacons
- Control Panels- firetrace monitoring system (designed by Tri)
- Speakers – public address and voice alarm system
- Life Safety Interfacing (Damper removal)
- Remote monitoring of full system



The Team

To ensure that a false evacuation is not activated during the changeover we man the control room each day to watch the panel and raise an alarm if required so the occupancy are informed on a genuine activation only.

PANEL WATCH

OVER

18

BUILDINGS



The campus is a diverse site, both in terms of number of buildings and also in terms of individual building specialised usage where the requirements for interfacing sophisticated scientific equipment is complex. Our Fire alarm upgrade project is a dedicated direct rolling programme that commenced in 2010 and has a projected completion of 2019. The existing system was over 20 years old and obsolete technology resulting in false alarms and unavailable spare parts. The upgrade was required to be conducted within restricted spaces and clean environments.



Pharmaceutical Site

Maintenance & Support Services:

- Maintain Fire, Voice and Disabled systems across 6 sites
- Updated zoning to meet current site requirements
- Extended Capacity on fire loops and calculations/battery autonomy
- Sen-Tri solution to aid in decrease of false alarms, continuous improvement
- Graphic & CAD drawing Services



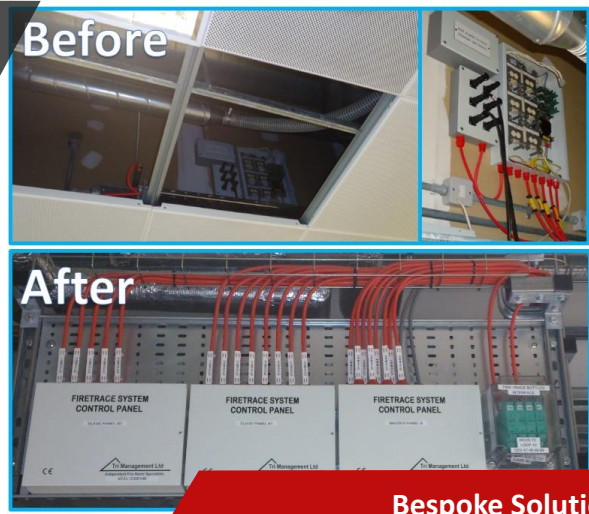
There were circa 600 monitored dampers on the old system which are now not required. Part of the preparation works was to remove these from the system



DAMPERS



OUR SOLUTION



The Benefits of Changeover:

- **BS5839 / EN compliance to the latest enforced standards**
- **Updated zoning to meet current site requirements**
- **level or type of protection**
- **Extended Capacity on fire loops and calculations/battery autonomy**
- **New up to date CAD drawings for future proofing**

Fume Cupboard Solution (pictured above)

Tri Management were tasked with designing, manufacturing and delivering a new solution for the monitoring of fume cupboards on this site. The current setup had the few switches above the ceiling tile that were grouped and monitoring the site in large groups.

The new Tri Management design was a neat solution whereby each fume cupboard is now individually monitored. Now with clear labelling and enclosed boxes that are accessible below ceiling, this site has the ability to control their system in a flexible and efficient way.

Sen-Tri

Our unique remote monitoring platform provides a simple web browser to log, manage and administer the system, providing assurance to the end user, that the system is fully functional and maintained correctly. System alerts (Fire/Faults) can be sent to individuals direct to their phones ensuring the right people get the right messages in real time.

Upgraded **SITE** NETWORK

Tri understand the criticality to our client's operations and actively manage the system ensuring false alarms are minimised

System Changeover in a Single Shift...

Data centres and science procedures are vitally important operations. Any downtime of their operations must be avoided at all cost. In order to minimize disruption, all our effort was in the planning and preparation stages, allowing the team to implement the system changeover to the new Advanced Fire alarm system within a single shift.

NO DISRUPTION TO SITE OPERATIONS



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 @Tri Management

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