



CASE STUDY

Food Production Organisation

DESIGNING, PLANNING AND INSTALLING A NEW
FIRE DETECTION SYSTEM SUITABLE FOR
INDUSTRY-SPECIFIC WORKING CONDITIONS.



SARACEN
FIRE PROTECTION

Industry:

Food & Drink

Services Provided:

Fire Detection/Alarm System - assessment, design and installation

The Brief:

Following an extension to their food processing plant in the East of England, we were approached to design and install a brand new fire detection system.

We were provided with full plans and design drawings outlining the specification required.

A fire alarm was designed to an L1 category and we had the challenge of installing air sampling, beam detection and point detection in certain areas due to the heights of the ceilings and processes undertaken within the premises.

What We Did:

We conducted a full assessment and were able to provide full design and installation plans for the production unit. Following several review meetings with our client, these designs were approved and the installation phase began.

The project involved 8 engineers working on site for 8 months. This included overseeing and installing:

- Cable running
- 1 main panel & 1 repeater panel installation
- Air sampling pipework
- Beam detection and smoke and heat detectors.

Special Considerations:

Due to the complexity of the project, we needed to overcome a number of challenges.

We had to install a system that would be compatible with the differing atmospheric conditions a food production area presented. These included:

- Areas of extreme cold (-28)
- Explosive atmospheric conditions

Limited ceiling voids also made installation tricky as we had such little space to work within.

We also had a number of construction design changes that we had to figure out and work with the associated parties to resolve.



What We Achieved:

We provided a fully functional and compliant fire detection system as per the design and specification required.

Full training was given to all facilities staff on completion of the project and the installation was carried out in accordance with BS5839.



Call: 01675 628 999 or
email: sales@saracenfireprotection.co.uk
saracenfireprotection.co.uk