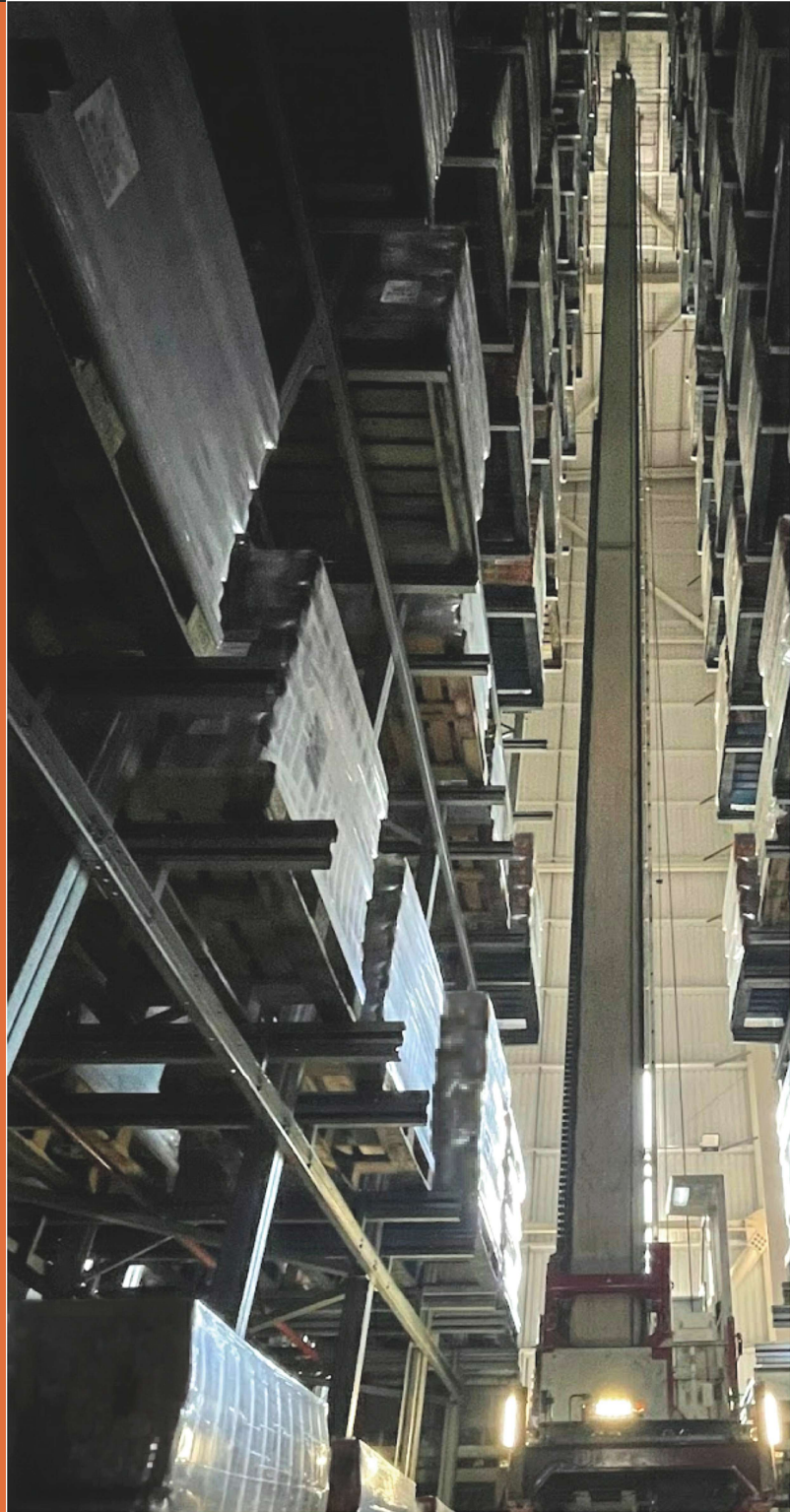


UNINTERRUPTED PROTECTION

Ciqurix provides BS5839-1 compliant video fire detection for a fully automated 24/7 high-bay warehouse.

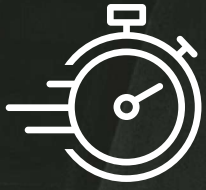
SUMMARY

A leading FMCG manufacturer needed to upgrade the fire detection in its automated high-bay storage facility. With 25m high racking and continuous operation, traditional fire detection methods posed unacceptable disruption. Ciqurix's video-flame detection solution was selected to deliver non-intrusive, high-speed protection integrated into existing systems.



CHALLENGE

The protected area is a high-bay automated warehouse with capacity for around 10,000 pallets across an area of approximately 2,500 m². Operating continuously on a 24/7 basis, the facility cannot tolerate downtime or major works without incurring severe operational and financial impact. The 25-metre height made access challenging, and restricted the choice of detector type. Constant crane movement meant beam detectors were unsuitable, and aspiration detection was considered but rejected, as installation would require multiple prolonged shutdowns. Previous fire incidents affecting crane busbars added pressure from insurers and regulators for a robust and compliant detection solution.



**DETECT MULTIPLE
FIRES IN SECONDS**



**ALL LIGHT LEVELS
- DAY & NIGHT**



**BOTH INDOORS
& OUTDOORS**



**SEE FIRE AT UP TO
180 METRES**

SOLUTION

Ciqurix provided system design and oversight, with delivery managed by the site's incumbent fire systems specialist. Twenty XFP video flame detectors were mounted at around six metres, avoiding the need to work at the full 25-metre height while still ensuring comprehensive coverage of the entire storage volume. The system was integrated into the existing fire alarm, allowing seamless operation. Installation was carefully planned and executed as a retrofit within the live warehouse, ensuring day-to-day operations continued uninterrupted throughout the project.

RESULTS

Commissioning was completed successfully, with some initial interfacing issues into the site's CCTV network quickly resolved. The system delivers rapid detection times of under ten seconds and was subsequently accepted by insurers and regulators, providing the client with confidence in compliance and long-term protection. It provided substantial risk reduction without disrupting operations, and following this success, the installer plans to specify the Ciqurix CORE system on future similar projects.

**CERTIFIED UNDER
BAFE SP203 TO
BS5839-1**

**RESPONSE TIME OF 7
SECONDS WHEN
TESTED AT 80M**

**FULLY INTEGRATED
WITH SITE FIRE
ALARM AND CCTV**

**ACCEPTED BY
INSURERS AND
REGULATOR**

