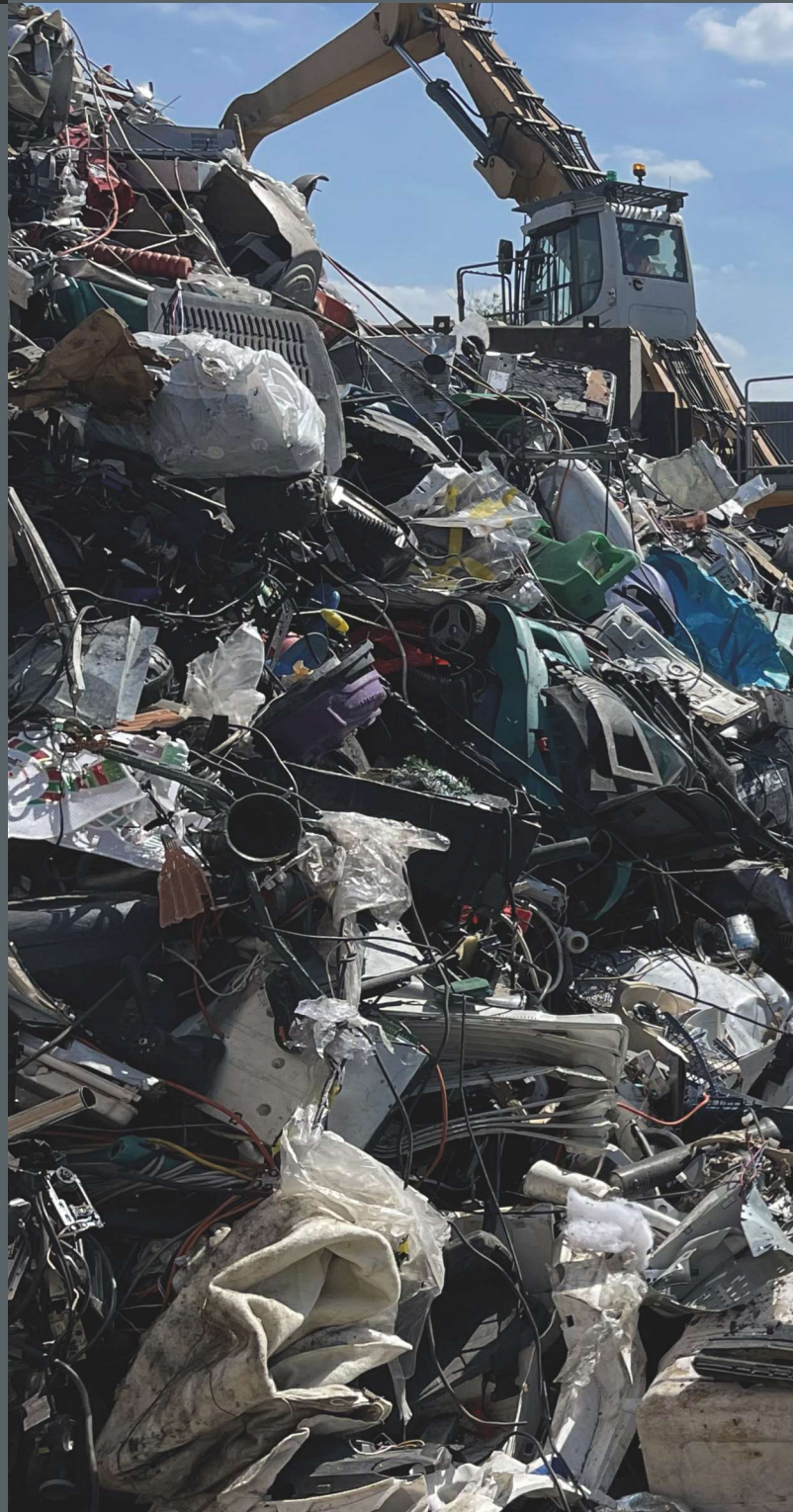


JUST ADD WATER

How we helped a metal recycling company transform their business by removing the destructive effects of fire

SUMMARY

One of the world's leading electronics and metal recycling companies has now installed numerous automatic suppression systems on various sites across the UK, with the Ciqurix CORE system at the heart of each one. Here we take a look at one site in particular, and how the Ciqurix solution helped the installer solve their problem.



CHALLENGE

Despite taking all available precautions, weekly fires were being experienced, several of which caused major impact to business operations. As a result of a particularly serious fire at one of the larger sites, the insurers and the local Fire & Rescue Authority decided that there should be a crewed fire appliance stationed on site around the clock until a more permanent solution could be found. A system was required which could rapidly detect a confirmed fire and then initiate a fully automated suppression response, directed to the location of the fire. This particular site covers 31,000 sq metres, has a complex layout that changes regularly, and is almost entirely open to the elements.



DETECT MULTIPLE FIRES IN SECONDS



ALL LIGHT LEVELS - DAY & NIGHT



BOTH INDOORS & OUTDOORS



SEE FIRE AT UP TO 180 METRES

SOLUTION

The site operator worked closely with their facilities provider and other consultants to investigate possibilities. The Ciqurix CORE system was chosen, paired with two custom-built motorised water cannons. The CORE system consists of 9 video detectors located at high level around the site, placed and pointed to protect specific areas of risk. Each detector has multiple zoned areas which are mapped to specific discharge patterns for one or both suppression cannons. This allows any fire event to be precisely located and dealt with automatically using on-site resources. Automatic notifications and real-time video footage are sent to the business control centre and staff decide if/when escalation to the fire service is required.

RESULTS

Since the installation of the Ciqurix CORE system and commissioning of the water cannons, the site has sustained zero damage from fire. Two potentially serious fires have been successfully detected by the system and extinguished before any damage was caused.

2 FIRES DETECTED & EXTINGUISHED

FIRE & RESCUE SERVICE TESTS SUCCESSFUL

ZERO FIRE DAMAGE SINCE INSTALLATION

INSURANCE COMPANY SATISFIED

