

GRUNDON WASTE MANAGEMENT LTD KEEPS FLAME BURNING WITH NEW SECURITY SYSTEM

Grundon Waste Management Ltd has had a CCTV and Access Control system installed at their newly-constructed Clinical Waste Incinerator at Colnbrook near Slough. The systems ensures day to day control as well as providing the security required for the complex. The system has proved itself to be invaluable in achieving these objectives, as well as providing a number of additional benefits.

Modern high temperature clinical waste incinerators must conform to a number of extremely stringent regulatory controls and procedures under strict supervision from the Environment Agency. As part of a wider re-development programme, Grundon has taken the opportunity to build a new Clinical Waste Incinerator, which forms an integral part of Grundon's operations covering all aspects of Waste Management and Recycling. The company is one of the largest privately owned Waste Management companies in the country.

The CCTV and Access Control installation project has been undertaken to tackle three key areas of the project: security, health and safety and efficiency of practise.

A view from the top

The control room for the incinerator building is on the 5th floor and the CCTV system installed enables the operators to monitor all activity on the site. This includes who is entering and leaving the premises, what waste is being deposited in the loading bay and the status of the plant.

"It's absolutely essential that we can see certain areas in detail, especially the incinerator chamber itself," explains Lucy Cox, Engineering Assistant at Grundon Waste Management. "The camera looking up through the primary combustion chamber is a useful tool to indicate the levels of waste on each hearth and it can also be used to show the intensity of the flame by the colour."

Knights of CCTV

Installers Knighthood Security won the tender to carry out the installation. "We've been using Knighthood for many years now and I am satisfied that they're a very competent and professional organisation," says Miss Cox. "Their customer service is excellent and they make you feel like you're all part of the same team, working together to get the best re-



sults.”

In all, Knighthood installed 29 cameras, of which three are outside and two are in the loading bay. The latter two are Dallmeier domes chosen because of their excellent back-light compensation. The wide dynamic lens allows for the massive variation in light levels in the loading bay. Viewing this area is essential as movement in the bay is limited and the offloading of vehicles must be closely monitored.

Vista vandal resistant domes (4V9DN3A) are used throughout the building for general surveillance along with two external PowerDomes and one Vista box camera with Dennard Housing. “We chose the Vista products because of the excellent warranty and support that comes with them,” explains Geoff Spring, Director of Knighthood Security. All images are fed back from the cameras to the six Vista Columbus DVRs in the control room. Vista Graphica has been used, acting as a virtual matrix and allowing multiple camera feeds from different Columbus units on a network to be streamed onto the same graphical map. This enables operators to view all cameras at the same time and then ‘drag and drop’ any one onto a separate display monitor to examine it in more detail. Vista WaveReader has also been used to network the whole system with other parts of the Grundon site.

In addition, Grundon’s Materials Recycling Facility, located within a short distance of the Incinerator, has also been connected to the system using Columbus and WaveReader software via the company’s network.

Knighthood are very pleased with the support that equipment supplier Norbain has given them. “We’ve always had a great relationship with Norbain,” says Mr Spring. “The wide range of products, available for delivery next day, is second to none in the industry. We can borrow products to show to customers which certainly helps with the sales pitch. The product managers are also very knowledgeable and will help us out whenever we need a bit of advice.”

Along with the extensive use of CCTV, Knighthood has extended the existing Paxton Net2 Access Control system to encompass another 14 doors. This system sits on the LAN network and is used to prevent any unauthorised access.

A job well done

The building itself caused Knighthood a number of challenges. The structure is built entirely from metal making it very time consuming to bolt all the equipment onto it. There are also extensive cable runs used to connect all the equipment and scissor lifts were required due to the height of the five-storey building. “We are very pleased with the way the installation has gone,” says Mr Spring. “We’ve completely fulfilled the requirement and everything is working exactly as it should.”



Grundon is also very happy with the way the installation has turned out. "We're particularly impressed with the Vista domes," says Miss Cox. "We use one mounted on the corner of the building to zoom over to another site on the complex. It certainly wasn't intended for this purpose, but it's a great unexpected benefit. The cameras are definitely working as a deterrent as well," says Miss Cox.

The whole system cost around £30,000 and Miss Cox believes it has already paid for itself twice over. "The incinerator is such a major asset to the company that the service provided by the cameras and Access Control system is essential in the day to day running of the plant."

About Knighthood Security

Fire, security and communications systems are an increasingly common requirement for all businesses. These systems are not only necessary for insurance, but also contribute to health and safety, resulting in personal assurance and peace of mind. The Knighthood Group offers a wide range of systems to Southern England, and in some aspects, further a field.

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