

Protecting a large waste recycling plant

Remote fire alarm monitoring with video analytics

Chubb vision+ provides confidence around-the-clock that your people, property and assets are well protected, because you're connected to Chubb at all times through one or more of our remote protection services.

Chubb's advanced video analytics integrates fire and security systems into a solution that provides an appropriate response to risk remotely: promptly and effectively reducing losses.

Chubb's customer was a waste recycling plant in France. Like factories and warehouses, plants such as these are not without risks. Housing and utilising chemical and biological substances, materials travel around site constantly, with the use of moving machinery such as conveyor belts, sorting machinery and moving vehicles.

Fire safety risks need to be dealt with immediately to contain any issues to avoid injury or loss of materials stored on site.

Customer Needs

- Ongoing maintenance and servicing of fire and monitoring equipment on site.
- To reduce the number of false alarms in critical areas.
- Prompt smoke detection to ensure emergency protocols start immediately.

Approach

Collaborating closely with our customer, Chubb proposed the addition of an early warning smoke detection video analytic solution to the customer's maintenance contract. This solution has a higher efficiency rate than traditional fire systems, reducing the number of false alarms connected to air flow, varying heights in the plant, machinery exhaust, chemical fumes and dust or steam created by process on site. The increased detection efficiency of the video analytic solution can also speed up detection rates when working in these conditions.

Cameras were installed, dedicated to smoke detection. These cameras were strategically positioned like fire detectors to be able to quickly identify smoke in critical areas. False alarms are still possible while working in such very difficult environment. Chubb operators monitor the site to provide human verification and to take agreed action to accelerate emergency protocols for our customer.

Project Summary

- Increased reliability to the overall fire safety system on a large site, with the reduction of false alarms.
- Improved smoke detection rates.
- Remote, human verification through Chubb's monitoring operators has accelerated the response and initiation of emergency protocols, including initiating an on-site intervention.

