

Case Study

This project involved a document destruction service who were experiencing workplace health hazards due to paper dust from their shredding operations.

Shredded paper was delivered by conveyor from vehicles (which were placed in a bay to enable loading of the paper waste) into a large bailing machine. As a result there was a high concentration of paper dust in the working atmosphere which created an explosive risk.

Our solution was to create an enclosure around the loading bay at the bottom of the main conveyor. This was done by enclosing the area with a galvanised steel sheet chamber and then covering the entrance with PVC strip curtain which encompassed the vehicle. In addition further extraction was installed at the top of the bailing machine.



The chamber was ducted to an ATEX filter unit which is capable of extracting an air volume of 9,250m³/hour. The units three dust storage bins each have a 100 litre capacity and are quick and easy to empty.

The client was very pleased with the effectiveness of the extraction system as it was bespoke to the operation and provided a much more effective solution than previously installed, poorly designed systems of other extraction companies.