

CUSTOMER SUCCESS STORY

VESDA PROTECTS PAPER SORTING AND BAILING PLANT IN SINGAPORE

The Challenge

Sembcorp Tay Paper Recycling owns and operates a paper sorting and baling plant in Singapore and is engaged in the procurement and trans-shipment of paper from Europe, the United States and Indonesia to paper mills in South East Asia.

The quality assurance and fire safety manager for Sembcorp Tay Paper Recycling, Lim Eng Tit, began searching for a system to protect the company's 8,500 m² (85,000 sq. ft.) facility.

The Solution

The plant is mainly a paper baling and recycling facility with ceiling heights of 15 to 20 meters (50 to 65 ft). The baling machines create an environment that is constantly filled with paper dust. Conventional point or spot smoke detectors are not suitable because they clog up easily, resulting in poor performance and reduced sensitivity over time.

Beam detectors were considered but were found to produce too many false alarms. In addition, accessing and maintaining beam detectors and conventional point detectors also was of concern because they must be installed at such high levels.



PROJECT:
Paper Recycling

END USER/LOCATION:
Tuas, Singapore

INDUSTRY:
Paper Recycling

SOLUTION:
VESDA VLP

“The VESDA units are trouble-free and work robustly to my expectations. I am very satisfied with their performance and have peace of mind because we know that there is very early warning fire detection to protect our facilities.”

Lim Eng Tit
Quality Assurance and Fire Safety Manager
Sembcorp Tay Paper Recycling

The Outcome

Because the recycling facility does not have a sprinkler system due to a lack of space for a water tank, it required a fire detection system that would work reliably without false alarms despite the dust and would be easy to maintain.

Mr. Lim attended a VESDA seminar hosted by Xtralis and its local channel partner ProVision Technology (Asia Pacific) Pte Ltd in Singapore. He knew immediately that the VESDA aspirating smoke detection (ASD) system was the solution he had been seeking and turned to ProVision for assistance, subsequently installing a VESDA ASD system comprising three VESDA VLP detectors.



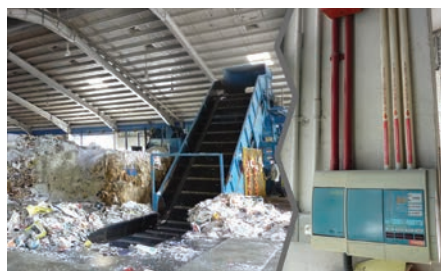
The VESDA system provides reliable, very early warning smoke detection in spite of the difficult challenges the facility presents. The flexibility of the VESDA pipe network design ensures a cost-effective fit for the purpose of fire protection. And the VESDA detectors installed at human-height level, safety personnel enjoy the added benefits of easy maintenance.

“I have been actively looking for a suitable fire detection system that would work properly in a dusty

environment like a paper recycling plant, and I finally found it when I heard about VESDA,” Mr. Lim explains. “Installed for more than two years, the VESDA units are trouble-free and work robustly to my expectations. I am very satisfied with their performance and have peace of mind because we know that there is very early warning fire detection protecting our facilities.”

About VESDA

- Coverage up to 2,000 m² (21,520 sq. ft.) per detector, providing cost effective smoke detection, regardless of the size or configuration
- Flexibility in design of pipe networks, ensuring a cost-effective and fit for purpose fire engineering solution
- Customisable to address the unique environmental characteristics
- Simple installation and verified performance at commissioning
- Low maintenance, saving both time and expense



About The Installer



ProVision Technology (Asia Pacific) Pte Ltd aims to help its clients maintain business competitiveness by providing integrated environmental safety solutions. We offer a variety of advanced loss prevention systems along with professional installation and maintenance services.

With ProVision's core value “Service from Heart to Action” in mind, we strive to provide every client the most cost effective and cost efficient solution.

Our management and technical teams consist of experts with specialized knowledge and extensive industry experiences. From product consultation, design, system installation to after-sale cares, ProVision is ultimately the one-stop solution provider. Our professionalism and business integrity have helped us gained a strong customer base over the years.