CUSTOMER SUCCESS STORY

THE RIGHT FIRE DETECTION FOR THE RIGHT SPACE – **VESDA VLI** PROTECTS THE RICHARDS BAY SHIPPING TERMINAL

About End User

This multi-purpose cargo terminal is situated in the deep-water port of Richards Bay, on the east coast of South Africa, and is the product of the merging of two separate terminals, namely the Bulk Metal and Combi Terminals. It has two main storage areas, a covered storage comprising of two warehouse covering 10,000 m^2 with an additional canopy storage of 8,000 m^2 and a 4,500 m^2 shed. It also has an open area storage of 330,000 m^2 and well as a 75,000 m^2 ferro handling facility and a 55,000 m^2 log terminal.

The Challenge

VESDA VLI was chosen for its ability to cope with the harsh environments created by the locations. There are over 65 VLI units protecting the multiple conveyor belts that are used to move the products around. These products range from coal, wood chips and other components used at the aluminium smelter onsite. The conveyor belt system is one of the areas that was singled out as a priority due to the nature of the product being moved and the level of incidents in the past. VESDA VLI has proven its worth already, time and time again, in monitoring the potential risk.

The site also uses the Xtralis VSM4 software to configure, monitor and trouble-shoot the VESDA VLI and the 40 plus VESDA VLP smoke detection systems that are installed across the site.

PROJECT:
Richards Bay Shipping Terminal

END USER/LOCATION:
Richards Bay, South Africa

INDUSTRY:
Transport / Warehousing

SOLUTION:
Industrial VESDA VLI
VESDA VLP

"Richards Bay have been looking around for a while to find a reliable solution which can provide adequate protection of equipment , product and staff. After getting in touch with us at Xtralis, we worked tirelessly with our local distributor, Technoswitch. Their Branch manager, Patrick Denyssen, and I spent many hours working on a solution. Various proposals later, all of us are happy with the result."

Barry-John Wyman
Xtralis RSM

The Outcome

VESDA VLI was purposely designed for such environments. The detector itself is enclosed in an IP66 rated shell, combines a fail-safe Intelligent Filter (patent pending) with an advanced clean-air barrier for optics protection which allows the use of absolute detection and a long detection chamber life without the need for re-calibration.

All of which adds up to the right smoke detection system for the right environment.

About VESDA VLI

The VESDA VLI is an industry first early warning aspirating smoke detection (ASD) system, designed to protect industrial applications and harsh environments. The VLI detector combines a fail-safe Intelligent Filter with an advanced clean-air barrier for optics protection allowing the use of absolute detection and a long detection chamber life without the need for re-calibration.

- Suitable for Class 1 Division 2 applications - Groups A, B, C & D
- Up to 2000 m^2 (21,520 sq. ft.) coverage
- Up to 4 inlet pipes
- Robust absolute smoke detection
- Clean air barrier for optics protection
- Xtralis VSC, Xtralis VSM4 and ASPIRE software support
- IP66 Enclosure
- Modular field replaceable parts for ease of servicing