

CUSTOMER SUCCESS STORY

LOWRIE CONSTRUCTIONS - **VESDA** ASPIRATING SMOKE DETECTION SYSTEMS PROTECT THE AUSTRALIAN MINING INDUSTRY

The Challenge

Established in 1991, Lowrie Constructions has built a solid reputation as a market leader in project specific, custom designed buildings which reflect the severity of the environment and the level of protection required for remote area installations.

Situated on a 10,000 m² site in Perth, Western Australia, Lowrie Constructions (WA) Pty Ltd supplies the facilities enclosure market with design, manufacture, delivery and installation of a wide range of transportable buildings and equipment/ancillary enclosures.

Lowrie Constructions offers a total solution approach. They have the ability to design and manufacture to clients' exact requirements, and with the assistance of local Western Australia Distributor Advanced Technology Products, Lowrie Constructions Fire & Electrical Division are designing the sampling arrangements and systems to meet or expand on their clients' specifications.

With installations involving cubicle sampling arrangements, room and return air sampling, interfacing to fire panels and site monitoring systems, as well as controlling gas suppression and evacuation systems, the company required a fire detection system that was responsive to the very early signs of smoke, whilst tolerating occasional dust disturbances, that was reliable and required little maintenance.



PROJECT:

Lowrie Constructions

END USER/LOCATION:

Perth, Western Australia

INDUSTRY:

Construction

SOLUTION:

VESDA by Xtralis VLP
VESDA by Xtralis VLC
VESDA by Xtralis VLF

“The use of VESDA detectors for the sampling of substations and MCC cabinets in the mining industry is a long proven system, and are installed in 95% of our contracts.”

Bruce Bellis
Project Manager at Nilsen Group

The Solution

Fire protection systems are of critical importance in any industrial application where continued operations and minimal disruptions are strict requirements. Therefore, VESDA very early warning smoke detection systems are ideally suited to the protection of these environments.

The company utilised VESDA VLP, VLC and VLF systems for the different applications.

The Results

By implementing a reliable and cost effective fire detection system, Lowrie Constructions were able to provide a greater level of protection to their clients from both physical and financial loss, as well as maintaining operational continuity.

The partnership between VESDA and Lowrie Constructions Fire and Electrical Division has proved extremely successful, as key customer Bruce Bellis, Project Manager of Nilsen Group explains “The use of VESDA detectors for the sampling of substations and MCC cabinets in the mining industry is a long proven system, and are installed in 95% of our contracts. We have found Lowrie Fire to be proactive in design and advice.”

VESDA aspirating smoke detectors are renowned for their ability to consistently deliver smoke detection that protects a diverse range of businesses and their challenging environments, providing enhanced life safety and business continuity solutions, and unlike conventional smoke detection methods, VESDA detectors help eliminate nuisance alarms and are maintenance friendly.

There are now more VESDA systems protecting sub-stations throughout the Australian mining industry than any other form of smoke detection, which also provides huge operational and maintenance advantages.

