

# PROTECTING PEOPLE AND ASSETS IN SURFACE OPERATIONS



## PROXIMITY DETECTION SYSTEM

Booyco Electronics offers the mining industry a turnkey, fully integrated surface and underground safety solution for machinery and personnel.

The Booyco fully integrated Proximity Detection System (PDS) represents the latest generation of this electronic technology for effective and reliable communication. And the Booyco PDS is fully compliant with South African legislation.

Offering an accurate supply of information and reliable safety intervention capability, the system's innovative controller interface enables integration with OEM equipment as well as management control systems.



Information is transferred between users via Booyco Electronics' Human Machine Interface. It is simple to use and easy to understand as communication with operators uses icons. Messages can also be provided via a pre-recorded voice programme and can be customised to any language.

These high performance and reliable systems incorporate VLF technology for pedestrian detection either on surface or underground, together with GPS technology for vehicle detection on surface.

The PDS delivers specific warning, controlled slow-down and stopping zone alerts around a vehicle when detecting pedestrians or other vehicles. It is able to achieve zone shaping and create narrow band zones in close proximity on the side of the vehicles to meet specific operational requirements.

The system has full self-diagnostics, and is visual and voice display activated in the case of a warning or a system failure. It incorporates various downloading options for recorded data, including wireless when at an access point.

It is supplied complete with testing equipment for both the surface and underground areas to ensure maximum functionality. The system is also IS-compliant meeting the safety requirements of hazardous areas.

BEAMS software is used as a reporting tool to ensure that the PDS events can be analysed and used to effect a positive change in behaviour.





Booyco Electronics is well established as a leading supplier of reliable innovative mine safety related products. The company's in-depth understanding of the distinctive conditions in both underground and surface mining operations has been leveraged to combine with best practice engineering and manufacturing expertise to produce a line-up of technologically proficient solutions.

Booyco Electronics' products offer reliable performance in the most demanding environments and positively affect daily operation on a mine contributing to optimum safety for all. A solid commitment to continuous product development and improvement is backed by ongoing investment in research and development, most of which is driven through customer collaboration.

Accredited to ISO 9001: 2008, ISO 14001:2004 and OHSAS 18001:2007, the company has harnessed several emerging electronic technologies to effectively address critical safety issues within the mining sector. This reflects Booyco Electronics' absolute commitment to improving safety.

Booyco Electronics counts among its customer base blue-chip mining houses and flagship mines across a range of commodities. Through its ongoing collaboration, the company shares the common objective of boosting safety in day-to-day mining activities.

[www.booyco-electronics.co.za](http://www.booyco-electronics.co.za)



0861BOOYCO (0861 266926)  
+27 (0)11 823 6842  
info@booyco-electronics.co.za  
www.booyco-electronics.co.za

