

Proximity Alert System (PAS)



SAFETY



**Proximity Detection
and Collision Avoidance
solution for above and
below ground operations**

PBE Group designed and manufactured the tag-based Proximity Alert System (PAS) to enhance workplace safety by reducing the risk of collision through asset and personnel detection and warning.

Alerting drivers to the presence of personnel, vehicles, obstacles and user defined geofences.



PBE

INNOVATING SAFETY.
POWERING PRODUCTIVITY.

westcan-accs.com



Proximity Alert System (PAS)

PAS is a complete solution, suitable for all vehicle type for above and below ground operation. The system provides local driver and personnel indications as well as remote real time vehicle monitoring.

PAS also provide extensive user definable reporting and data analysis capabilities through its own custom software package by recording all events. PAS has an optional integrated issuing centre that provides automated site entry/exit monitoring and control for approved personnel and vehicles.

Using a combination of radar, electromagnetics, RFID, and GPS, PAS provides the most accurate and flexible Proximity Detection and Collision Avoidance solution available for the mining, tunnelling and construction industries. ♦

TECHNOLOGIES

4 technologies (radar, electromagnetics, RFID and GPS) providing accuracies of 30cm and ranges of 150m

VEHICLES

Lightweight (PAS-Z), ruggedised (PAS-ZR) and explosive proof (PAS-XP) versions for all vehicle types in all environments

ENVIRONMENTS

Above and below ground seamless operation, including coal mining (IS approved)

MARKETS

Proven in mining, tunnelling, construction, forestry, ports and other industrial applications

FLEXIBLE

User defined range and detection of vehicles, personnel, obstacles and assets

VEHICLE INTEGRATION

PAS has multiple outputs and CANBUS functionality for vehicle integration and control

APPROVED

PAS meets all international standards and is Level 9 EMERST approved

REMOTE MONITORING

Real time remote monitoring and control/configuration using a 3G network interface and PBE's proprietary control and monitoring software, VANTAGE

DISPLAY

Optional tablet-based touch screen for radar type display

OBSTACLE PROTECTION

The self-contained PAS-O allows protection of obstacles

NO FALSE ALARMS

'Safe Nodes', to define areas for none detection and Dynamic Projected Detection Angle (DPDA) to allow trucks to pass with none detection if required

ACCESS CONTROL

Issuing software and entry/exit control solution, with integration to PBE tracking systems

DATA ANALYSIS

Powerful reporting capability providing bar charts, heat maps and display of all recorded interactions



Benefits

- Self-contained design with minimal foot-print provides for quick installation and easy maintainability
- Easy and convenient local configuration or user friendly software for future download
- Provide accurate range and direction for all vehicles, personnel, obstacles and assets
- Provides customisable audible and visual alarms
- All interactions are logged with extensive reporting capability
- Adaptable for both electrical and diesel trackless mobile machines
- Suitable for underground Intrinsically Safe (IS) mining environments



About Us

PBE Group ("PBE") provide an adaptive and flexible integrated solution where a reliance on safety and productivity is essential. PBE is a true global systems provider for the mining, tunnelling, construction and associated markets. Our specialised engineering team integrates our industry specific manufactured products and best in class 3rd party products to ensure a sophisticated, robust and commercially viable solution. Our growth in international markets is based on the key verticals of Technology, Power and Service Delivery – fundamental in any industrial project. Our experience in confined space and underground construction has enabled PBE to complete over 850 projects in more than 60 countries with 320 staff and 18 regional offices.

Disclaimer

Copyright © 2019 PBE Group Ltd. All rights reserved. This document is protected by copyright belonging to PBE Group Ltd and may not be reproduced in any form republished in whole or part without the prior written or consent of PBE Group Ltd. While every precaution has been taken in the preparation of this literature, PBE Group Ltd assumes no liability for errors or omissions, or from any damages resulting from the use of this information. The contents and product specifications within it are subject to revision due to ongoing product improvements and may change without notice.

PBE/PAS-SOLUTION/V.1/2019

Contact Us

For further information please contact:

UNITED STATES

sales.usa@pbegrp.com
T: +1 276 988 5505

ASIA

sales.asia@pbegrp.com
T: +65 6661 6888

CANADA

sales.usa@pbegrp.com
T: +1 705 222 0020

EUROPE

sales.europe@pbegrp.com
T: +44 203 943 5185

LATIN AMERICA

sales.lam@pbegrp.com
T: +56 9 9022 9607

OCEANIA

sales.aus@pbegrp.com
T: +61 2 4961 9619

SOUTH AFRICA

sales.sa@pbegrp.com
T: +27 12 379 9497



PBE

INNOVATING SAFETY.
POWERING PRODUCTIVITY.

westcan-accs.com