Vantage Control and Monitoring Platform

Overview

- Mine wide control and monitoring
- Suitable for PBE's complete product portfolio
- Integration of 3rd party systems
- Detailed reporting
- Customized alerts
- Integration of mine maps

Compatibility

- Tracking Systems - personnel, vehicles, and assets
- Communications - performance and fault diagnosis of communication and data networks
- Environmental Monitoring - alarms, statistics, and operational performance
- Responsible Ventilation - Fan control and monitoring
- Entry & Exit Systems - Electronic tag boards
- 3rd Party Product - Control & monitoring of 3rd party products

PBE Vantage 2.0 is PBE's new and improved mine wide control and monitoring software solution, allowing a single point of access to all of PBE's safety and productivity systems

Customer data needs are diverse and dynamic, requiring data transfer over a network without human-to-human or human-to-computer interaction.

Mining, tunnelling and other associated industries are now focusing on Internet of Things (IoT) networks and Smart solutions - providing data as and when required and using it to make automated decisions to increase productivity, efficiency and improve safety.

PBE offers a wide spectrum of systems that provide reliable, scalable and inherently flexible solutions to meet these increasingly complex mandates. The modular SCADA based hardware can interface with Ethernet and RF networks ensuring seamless connectivity to existing infrastructure.

The Vantage software platform, developed by PBE, provides a sophisticated centralised and user-friendly navigation interface allowing intelligent control, monitoring and reporting facilities. This allows an integrated system to be deployed, controlled and monitored from a single platform. ◆
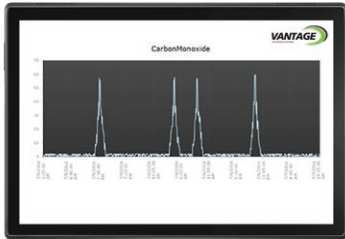
PBE

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Tracking Network

- Real time Personnel, Vehicle and Asset Tracking with man down safety system
- Electronic tag board functionality
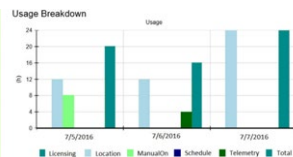- Integrated vehicle performance data

Environmental Monitoring

- Remote configuration
- Alarm set up and control
- Historical data
- Real time or historical reporting

Responsible Ventilation (Ventilation on demand)

- Enables cost savings through control of auxiliary fans
- Multiple inputs (tracking, environmental monitoring, heat detection etc.) to switch fans on as required
- Shows individual fan operation and savings achieved
- Scheduling functionality and manual control

New Features to 2.0

- HTML5 Web Client
- Graphical overhaul for all modules and pages
- Improved navigation
- Map drawing and zone drawing capabilities
- CAD map version restrictions removed
- Improved Electronic Tag Board power and notifications

Asset Modules

- Asset Tracker
- Asset Summary
- Responsible Ventilation
- Asset Administration
- Alert Administration
- Hardware Administration
- Reporting
- PAS

Specifications

SERVER REQUIREMENTS

Hardware

Processor	Quad Core +2.5GHz Xenon Quad Core +3.0GHz Any
Memory	Minimum 16.0 GB RAM
Hard Drive	Minimum 1TB HDD

Software

- 64-Bit Windows based Operating System
- Windows 8.1
- Windows 10 (Recommended)
- Windows Server 2012 R2
- Windows Server 2016
- Windows Server 2019 (Recommended)

SQL Server +2014 Standard or newer

Microsoft .NET Framework 4.5 or higher

IIS Version 7 or greater

An email account on your local SMTP server if using SMTP server

TCP/IP Ports required to be open on Server

2012	4530	8083
2013	4531	8090
2014	4532	8091
4506	4533	8092

CLIENT REQUIREMENTS

Hardware

Processor	Dual Core 2.4GHz
Processor Speed	Minimum: 1.4 GHz
Memory	Minimum 8.0 GB RAM
Hard Drive	10 GB

Software

Microsoft .NET Framework 3.5 (or higher).

Microsoft Silverlight 5.0 Plug-in (or higher). Internet Explorer 11 is only browser capable of running Microsoft Silverlight 5.0 Plug-in. Browser must allow JavaScript

Browser must allow sound on webpage to hear alerts

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

PBE/VANTAGE2.0/V.1/2020

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