



EMS

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Introduction

An Environmental Management System (EMS) is a set of measurements, processes, and practices that enable an organisation to reduce its environmental impacts and increase its operating safety and efficiency.

This proactive approach can help reduce the risk of non-compliance and improve workplace health and safety practices for employees and the public. Monitoring strategies and programs are designed to establish, monitor, and manage the status of an environment and to establish trends or identify risk.

The results of monitoring are reviewed, analysed statistically and reported or documented, and utilised to establish successful and dynamic monitoring and management system.

Key features and benefits

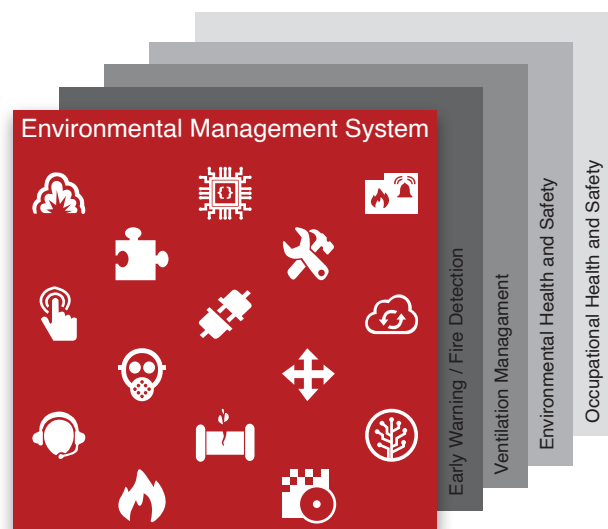


- EMS has both a Safety/Environment and Fire Detection component that includes the easy deployment and management of sensors, visualisation built on the fly, early detection of fire, and various report sets as required for regulatory bodies.
- The EMS module seamlessly plug-in to the Adroit platform, providing specific off the shelf functionality around early fire detection and environmental monitoring.
- The platform has been developed to allow OEM suppliers' plug-ins to work seamlessly within the framework. These include most of the leading sensor and PLC suppliers. Multiple sensor vendor support in a single scalable platform.
- Reliable, rapid deployment of online real time configuration, no downtime.
- Both predefined and customisable interfaces enforce standard visualisation, alarming, and control across systems.
- Traceability across the system and users provide for auditing, data logging, and comprehensive reporting..

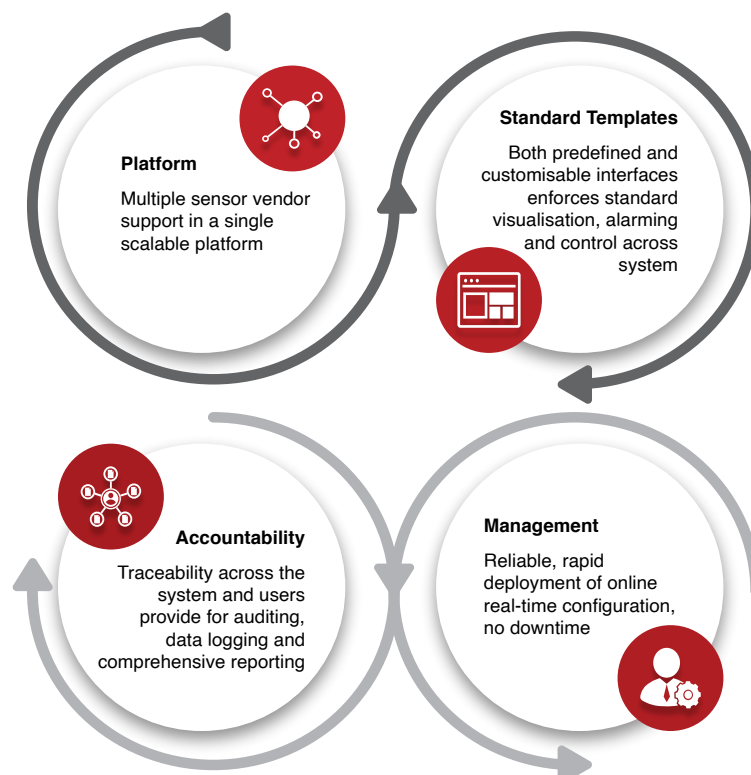
- Views can be localised or Centralised across the enterprise in real-time or information-driven dashboard.
- **Modules and Components consists of the following:**



- Adroit has been certified for commercial use as an IIoT platform by Sigfox, which enables users to rapidly deploy and integrate IoT devices.
- Adroit Air is a dedicated mobile application that manages and communicates alerts via push notifications. Hosting a full SCADA / EMS system on any web browser-enabled device through our mobile gateway technology. Performance Anywhere is our dedicated mobile SCADA platform.
- Complete Business Intelligence for the automation industry. The platform complements the entire Microsoft BI technology stack. Off the shelf, report packs analyse and assist in effective monitoring and management.
- Extending the full complement of the Adroit product suite to deliver an off-the-shelf solution.
- Exception report subscriptions.
- **Modules available: Early Warning/Fire Detection, Ventilation Management, Environmental Health and Safety (EHS) Management, Occupational Health and Safety (OHS) Management.**



Early Warning / Fire Detection	Ventilation Management	EHS	OHS
Click and Deploy Through the management hierarchy, Multiple vendors sensors can be created and deployed Secured and Audited Access and maintenance control is applied through Windows security layer, while a detailed audit trail is captured Fire Detection Algorithm Monitor rate of change with slope and trigger mode configuration Backup Head Monitoring Configure airflow direction to track smoke and co gasses Incident Management All incidents are automatically captured and tracked in a database	Accessibility Ventilation and Safety officers have access to real-time sensors and environmental monitoring Integration With mine and ventilation planning software for shared data and analysis Dedicated Reports Sensor and system management reports facilitate the maintenance and engineering process 	Monitor Manage your EHS exposure with real-time management solution and improve operational performance, reducing risk and cost Integration Extend with the value-added EHS management solution that seamlessly combines different environment, health, and safety processes, giving you a single, comprehensive, integrated management solution 	Integration Manage employee health with the value-added occupational health management solution and increase productivity while reducing risk Dedicated Reports Off the shelf OHS management reports, to boost safety and hygiene in the workplace Advanced Analysis Use a single dashboard to monitor ongoing exposure information on all your employees, enabling you to quickly identify risk exposure and take precautionary action that can lead to reduced risk 



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