CEREXIO AMS

A full-scale, central digital method for reducing the wasteful and inefficient consumption of energy in managing compressed air. It is an AI-powered approach that can change, grow and improve based on the demand for compressed air. With Cerexio AMS, you can control compressed air applications while serving to save the planet in a single effort.

Connect with Cerexio to explore an efficient compressed air management solution like no other!

KEY HIGHLIGHTS

Navigating Compressed Air Management and Protecting the Planet in A Single Go!

Cerexio AMS is a proprietary simulation-based optimisation technique that forecasts demand using data on compressed air usage from the past. Your compressed air-related decisions can now be guided by a central air station's continuous, optimal operation rather than via a constrained pressure range. Acquaint yourself with the main standout features of your preferred counterpart in the AMS realm.

REMOTE COMPRESSED AIR OPERATION

Cerexio AMS offers all features and functions required to monitor and manage your Air Management Systems remotely. It incorporated seamless integration opportunities to manage air control systems in multiple plants via multiple devices using a single interface.

WORLD-CLASS ROBUST SOFTWARE

Cerexio AMS is a user-friendly and robust technology that is powered by industry 4.0 capabilities such as IoT, AI, Predictive Analytics, Prescriptive Analytics, Sensor Automation, digital twin platforms, AR and VR immersive experiences and more. Therefore, it remains unchallenged as a feature-friendly software solution for compressed air managers.

AI-POWERED ASSET PREDICTORS

The world-class system to manage factories, plants and other industrial zones that can add value to all equipment, regardless of brand, age and performance. It gives you a predictive and prescriptive lens to increase the performance and lifespan of the entire fleet of air compressors and other asset categories.

VISUALISED REAL-TIME ANALYTICS FRAMEWORK

Optimise load sharing and balancing by analysing your compressed air performance with the aid of interactive visual representations assorted on a clean and straightforward dashboard. The Cerexio analytics framework pinpoints predictive compressed air usage risks and wastages to save your time, money and effort.

IMPROVE ENERGY EFFICIENCY AND BRING DOWN ENERGY COSTS

The Cerexio Air Management System is a first-of-its-kind compliance solution. It includes hyper-integrative modules and accurate visualisation tools to track CO_2 emission rates and effortlessly assist manufacturing facilities in achieving their carbon-neutral goals.

END-TO-END PLANT OPTIMISERS

The world-class asset management system is incorporated in the system to make air management easier, faster and more innovative. Using IIoT technology, this system is known to reduce air consumption by 60% and automatically reduce impactful pressure levels in your factories.

CEREXIO AMS MODULES

Empowering Compressed Air Management for Forward-thinking Industrial Players with Industry 4.0 Digital Capabilities

Cerexio AMS employs Industry 4.0 technologies to improve compressed air quality management, guarantee healthy and controlled emissions, and create comfortable workplaces. By utilising these cutting-edge tools, Cerexio AMS is paving the way for your growth. Here are a few features of Cerexio AMS that you cannot afford to miss.

Air Criticality Tagging

To make it easier to understand the importance of air quality indicators concerning machine emissions, Cerexio AMS presents an interactive colour-coded tagging system. This makes the ability to adopt a condition-responsive strategy and maintain real-time control over machine emission levels possible for maintenance teams.

Compressed Air Predictive Models

Collect information from your prior records, online discussions of greenhouse gas information, real-time emission monitoring systems, and other data sources. Utilise this data to run AI models that predict compressed air quality and its bounds in your industrial regions, all without the need for extraneous human-focused evaluations.

Condition-based Asset Future

By allowing Cerexio AMS to enable smart predictive curves, asset protocols, and criticality indexes to automate condition-based asset management programs, you can make sure that all of your pollution control devices operate at their peak performance levels, conditions and statuses.

CEREXIO AMS MODULES

Machines Standard Isolation Metrics

The overview dashboard provides a bird's-eye view of all on-site devices' standby and isolation rates and customisable widgets detailing energy usage, CO2 emission, and savings rates. Supply the necessary data to your air quality experts so they can easily meet environmental compliances.

Pressure and Flow Curves

Users can access historical, current, and upcoming data on pressure, flow, and temperature in your manufacturing facilities through the solution's extensive visualisation displays. This ensures that your airflow requirements always meet health- and environment-conscious standards.

Real-time and Predictive Monitoring

Cerexio AMS allows your air station managers to equip comprehensive compressed air monitoring in a real-time and predictive manner to rectify systems even when they are not physically available.

Rule-abiding Report Generation

The compressed air station's operational data is recorded, archived, and processed by Cerexio AMS, which also actively supports energy management tasks per ISO 50001. The necessary critical figures are automatically exported, assessed, and provided as a report.

Service Availability Checkers
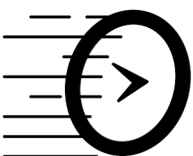
The central processing of compressed air station operational data ensures a continuous understanding of system maintenance status. As a result, service intervals can be scheduled and optimised from a forward-looking standpoint.

CEREXIO AMS MODULES

Smart Air Hub

The Cerexio Smart Air Hub is a proprietary simulation-based optimisation approach utilised to foresee the most efficient switching operations based on this demand prediction, the technical circumstances of the components, and the learned information regarding the system and its behaviour.

Smart Alert Systems

Through a simple Kanban interface, Cerexio AMS organises air threats more quickly, simply, and efficiently. It permits established protocols that can be filtered by the requestor or addressee, schedulers, and tagging systems.

Virtual AQI Metres

Manufacturing floor operators can handle Human-Machine Interface (HMI) systems using data-driven and process-oriented scheduling, automating procedures thanks to the abilities of trained AI models. These systems also employ automated improvements by using AI core memories.

DID YOU KNOW?
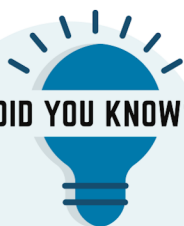
DEMAND-ORIENTED COMPRESSED AIR MANAGEMENT NOW HAS A WHOLE NEW MEANING THANKS TO THE CEREXIO AMS, WHICH IS ADAPTIVE, EFFECTIVE, AND NETWORKED. WITH PREVIOUSLY UNHEARD-OF EFFICIENCY, THIS CUTTING-EDGE COMPRESSED AIR MANAGEMENT SYSTEM ORCHESTRATES THE FUNCTIONING OF NUMEROUS COMPRESSORS, DRYERS, AND FILTERS.

Manage Long-lasting, Power-saving and Safe Assets with Supreme Energy Efficacy With Cerexio AMS

Controlling industrial air pollution and managing emissions provide several difficulties for practitioners. These difficulties can differ based on the sector, setting, and procedures involved. Cerexio AMS continuously monitors, assesses, and regulates the state of indoor or outdoor air to offer a healthy and secure environment for occupants while ensuring they adhere to stringent health and environmental requirements. Here are more benefits that you can capitalise on.

END-TO-END OPTIMISATION

Cerexio AMS delivers comprehensive end-to-end optimisation, enhancing compressed air functions, emissions, and operational efficiency through its advanced features, modules and tools.

LOWEST ENVIRONMENTAL IMPACT

Energy-efficient compressed air systems help to reduce environmental effects and carbon emissions. Businesses can link their operations with sustainability goals by maximising energy use and reducing waste.

FUTURISTIC PREDICTIVE MAINTENANCE

Based on data trends and performance patterns, the software may forecast maintenance requirements. This makes it possible to schedule preventive maintenance, lowering the chance of unplanned breakdowns and cutting down on downtime.

REMOTE CAPABILITIES

Compressed air systems may be monitored and managed remotely, thanks to Industry 4.0 solutions. Businesses with various sites or spread activities can notably benefit from this. Reducing the requirement for on-site staff through remote management saves time and money.

SUCCESS-GUARANTEED INSIGHTS

Insights regarding system performance, energy usage, and usage trends can be gained from this data. These revelations can be utilised to pinpoint areas that need improvement and to decide intelligently on system modifications.

ULTIMATE ENERGY EFFICIENCY

Recognise energy-hungry components, adjusting pressure levels, and scheduling operations during off-peak hours using Industry 4.0 software. This may lead to substantial energy savings and lower operating expenses.

INDUSTRIES

Cerexio offers energy-saving solutions for compressed air managers to achieve the highest eco-friendly and operational excellence-centric compressed air management standards. This solution can be implemented to optimise the energy savings in 50+ industries, including:

- Agricultural
- Automotive
- Construction and Road Maintenance
- Dry cleaning
- Energy
- Food and Beverage
- HVAC/climate control

- Manufacturing
- Mechanical Repair
- Pharmaceutical
- Plastics
- Power Pneumatic Systems
- Railroad
- Woodworking

CONTACT US

Don't Hesitate to Get in Touch With Us for Further Clarification or to Book a Demo This Week. The Contact Particulars of Our Company Are as Below:

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