IBM Maximo Emissions Management

Effectively capture and manage a diverse range of operational emissions in a single platform

Highlights

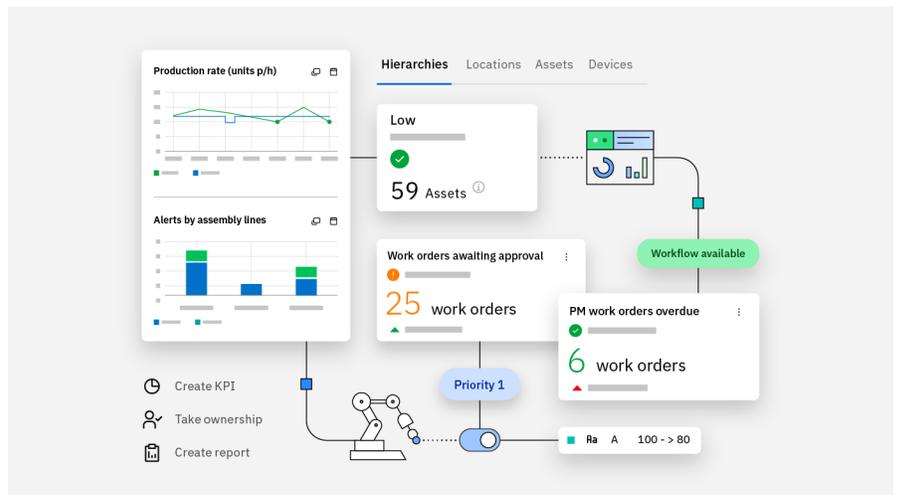Improves decision-making with emissions data insights

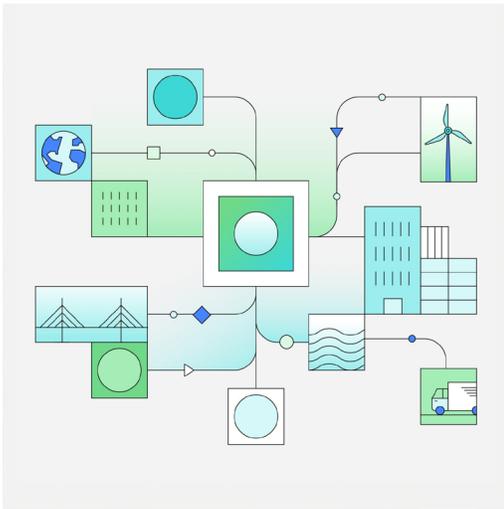Enables timely response to mitigate future emission incidents

Connects emissions reduction efforts with maintenance activities

Records emission data for operational reporting and regulatory compliance

Across industries, the very operations that drive business growth and profitability are also significant sources of emissions. Managing emissions effectively is not only a challenge but also a compliance mandate. Failing to comply can damage the environment, risk employee safety, impact the organization's reputation and result in significant financial penalties and losses. To balance operational efficiency with environmental responsibility, you need to not only track greenhouse gases (GHGs) but also control a wide range of emissions released throughout your operations.

The Maximo Emissions Management feature of IBM® Maximo® Application Suite incorporates Health, Safety and Environment (HSE) practices with asset lifecycle management on an integrated platform. As such, it provides the capability to capture continuous and fugitive emissions in near real-time, manage compliance programs and profile the emissions pertaining to your assets. Maximo also provides support for your operational reporting and facilitates corporate sustainability tracking through the integration with IBM Envizi™ ESG Suite.

Improves decision-making with emissions data insights
Efficiently track and manage continuous and fugitive emissions, including data on leaks and spills captured by technicians and sensors. With Maximo, you can collect routine emission data and manage compliance programs through the platform's inspection and work management capabilities. Additionally, Maximo enables you to compute the corresponding carbon dioxide equivalent (CO2e) using its emission formula calculations. The emissions data is then displayed on the operational dashboard, providing environmental officers, operational personnel and maintenance managers with a bird's-eye view of emissions to track key performance indicators (KPIs) and the worst offending assets.

Enables timely response to mitigate future emission incidents
The Emissions Management feature available with the Maximo HSE module enables real-time detection and response to emissions events using incident management and operator log capabilities. This empowers your team to take prompt action to mitigate the impact on the environment and your operations. Furthermore, the platform's investigation capabilities enable you to perform root cause analysis to identify the causes of emissions. You can promptly link these identified causes to corrective actions, addressing both immediate and underlying issues and preventing future incidents from occurring.

Connects emissions reduction efforts with maintenance activities
Regular inspection and maintenance of environmentally critical equipment are integral to emission management. These activities and resources can be prioritized according to environmental criticality and risk. The integrated Maximo HSE and asset management capability makes it easier to optimize maintenance strategies related to emissions and promote cross-functional collaboration between environmental officers and operational personnel. Maximo Emissions Management provides a common source of operational emission data, facilitates faster response to emission events and supports a coordinated approach to corrective action.

Records emission data for operational reporting and regulatory compliance
Companies are required to operate within diverse regulatory frameworks dictated by their operational contexts. Maximo simplifies compliance management by allowing the association of relevant regulations with specific assets, enabling the automatic capture of regulatory requirements tied to compliance activities and emission events. Additionally, the Maximo certification capability supports the lifecycle management of regulatory permits, ensuring that captured emission data can be monitored against permit consents. The integration with Envizi ESG Suite further enhances compliance efforts by seamlessly integrating data necessary for corporate sustainability reporting and retaining it for audit purposes. By aligning maintenance activities, inspections and other tasks with applicable regulations, organizations can effectively maintain compliance and mitigate risks.

Conclusion
Optimize your emissions management using a modern, user-friendly, configurable platform in an integrated hybrid cloud environment. With Maximo Application Suite, you can track both continuous and fugitive emissions and take effective measures to remedy unwanted emission causes, all while managing your environmental compliance work and capturing emission data that can be used for operational or corporate reporting.

Why IBM?
Maximo Application Suite is a leading enterprise asset lifecycle management (ALM) solution that offers a range of comprehensive functionalities, which enables companies to manage the entire lifecycle of their assets, from acquisition to disposal, in a single platform. The Maximo platform's advanced analytics and reporting capabilities allow organizations to gain valuable insights into asset performance and make data-driven decisions to improve operational efficiency.

For more information
To learn more about IBM Maximo Application Suite, contact your IBM representative or IBM Business Partner, or visit ibm.com/products/maximo.

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