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BlueMarvel.OperationsMetrics



Centralized A&E Data:
Democratize the access and use of operational alarms and event data.



Real-Time Monitoring:
Visualize critical operator loading and performance KPIs in real time. Fuse and combine A&E data with process parameters for additional insight.



Fast, Easy Reporting:
Set up custom views and generate reports with just a few clicks.



Multi-Site Benchmarking:
Look at aggregated data across a fleet of operations or drill into a single site.



Automated Alerts:
Get automated alerts so you can identify and prioritize needs quickly.



Mitigate "Abnormal Situations":
Understand current operator loading - Process Alarms & Events, Operator Actions including bypass events.



Summary

Alarm and event data generated by automation systems has traditionally been stranded in the industrial site yet holds tremendous value for various users throughout industrial organizations. **Blue.Marvel.OperationsMetrics** is a cloud-native application that enables organizational stakeholders to democratize and harness event-based operational data to improve their industrial operations. Real-time monitoring provides valuable insights that drive operational excellence at a site level. At the same time, multi-site benchmarking can empower organizations to aggregate and analyze larger data sets, offering a holistic view across operating fleets.

OperationsMetrics provides access to critical operating information, helping foster a culture of data-driven decision-making across your organization. Our automated alert system swiftly identifies and prioritizes critical needs, enhancing operating efficiency.

The simplicity of our reporting system enables organizations to generate customized reports, streamlining operational insights.

Application Focus

- 1 Provide open access to plant A&E data to Operations, Engineering, Training, and Safety & Risk experts throughout your organization.
- 2 Monitor and evaluate board operations workload and performance. Mitigate abnormal situations related to human error.
- 3 Track process alarm performance against industry benchmarks - ISA-18.2, EEUMA-191.
- 4 Compare KPIs across fleets and prioritize improvement opportunities.
- 5 Assess plant and company-wide progress based on established baselines.

Our Solution

A cloud-native application that liberates and consolidates operating alarm & event data from industrial sites and provides visibility to important KPIs that reflect the operating team workload and activities within the plant. It has been developed to help improve operating performance and eliminate risk and safety incidents related to operator overload and error.

Our application enables local and corporate operating, engineering, safety, risk, and training teams to conduct audits and benchmarking studies to generate insights to improve process safety, mitigate industrial risk, enhance operator training, and increase operational efficiency.

Addressing these needs will ultimately result in a more efficient and positive work environment for the operations team, enhancing safety, reliability, and profitability.

About BlueMarvel AI Inc.

BlueMarvel AI is a global Industrial Operations Applied AI solutions company. We combine our deep knowledge of operating challenges - existing and emerging - with technological solution development expertise to help Operating Functions capture value through applied AI.

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Process Alarms & Events

Centralize process alarms and event diagnostics on an enterprise scale.

Challenge: If improperly designed or implemented, modern automation systems can generate enormous numbers of alarms. This can be distracting, placing undesired workload on operating teams, impacting plant efficiency, or creating risky or unsafe operating conditions. Disabled and suppressed alarms can have similar effects in the plant if not monitored and managed effectively. Normally unavailable to stakeholders away from the site, this data is rarely used by corporate engineering, health/safety, training, or risk management teams to support the operation.

Operator Actions

Improving performance by proactively identifying operator training needs and necessary improvements to control logic.

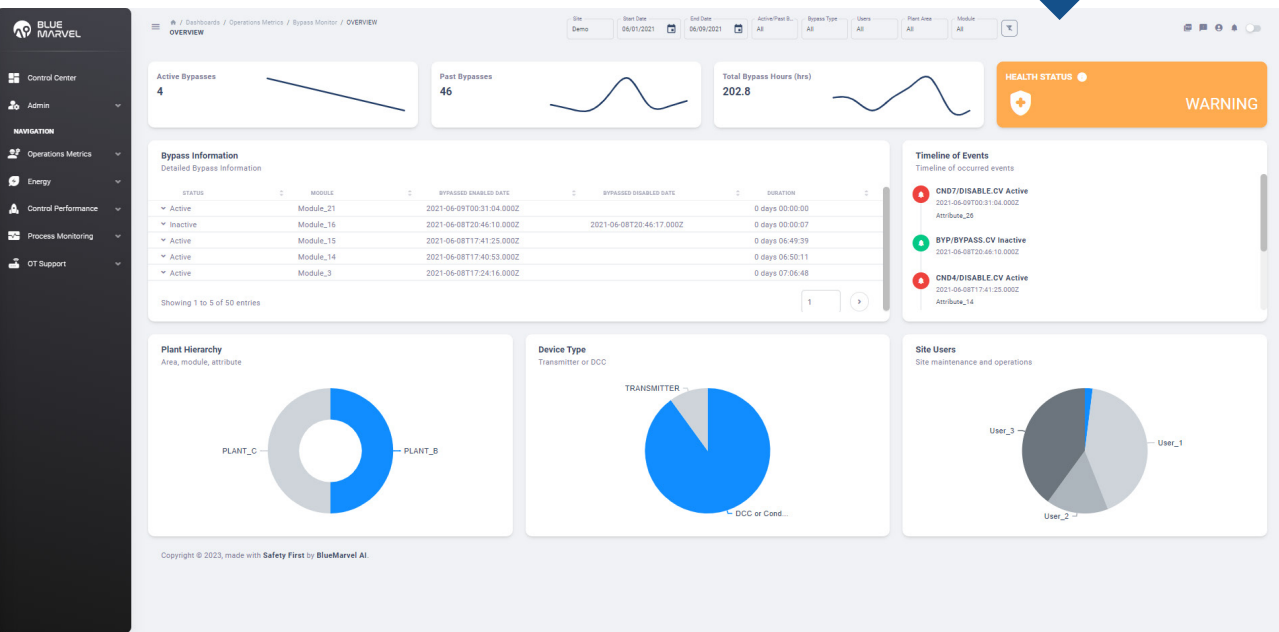
Challenge: Panel operator actions in the plant are made through the automation system, and are key to the safe and efficient management of the production processes. Depending on experience and competency, each operator can respond to various plant conditions differently, leading to production inefficiencies, while errors can result in unwanted abnormal situations. Operating organizations strive to raise the performance of their teams to the level of their best and most experienced operators but have few tools to assess and benchmark the outcomes of their actions.

Automation Bypasses

Real-time bypass monitoring and risk assessment to reduce the likelihood and severity of abnormal situations.

Challenge: Instrument and automation logic bypasses are specific operator actions made during scenarios like plant shutdowns and start-ups. Automation bypasses increase risk to plant operations as they remove layers of protection afforded by the plant automation. Lack of visibility or inaction on standing bypasses can put plant operations and personnel at risk if not managed effectively.

Viewing and tracking the states of bypasses helps your operations run your facility safer »



Understanding your alarm floods is an important step to reducing the load on your operators »

