Loop Performance

Increase production through operational insight and foresight

mipac

About Loop Performance

Loop Performance, part of the MPA suite of applications, is purpose-built to navigate the challenges of managing control loops in complex processing operations. Loop Performance is dedicated to enhancing plant stability, operational safety, and efficiency, making it an essential tool in modern process control environments.

Central to its capabilities is the measurement of control loop health and performance across the operation, enabling timely identification and resolution of issues. By enabling teams to optimise the most important control loops, Loop Performance plays a crucial role in maintaining and improving plant stability and contributes significantly to the overall reliability of the operation.

Loop Performance empowers operations to stay ahead of potential problems, ensuring a seamless, safe and efficient processing environment.

Why Mipac?

Mipac is a global leader in operational technology, control systems and engineering services, with 3 decades of experience. Mipac delivers high-quality, intelligent solutions that drive performance.

Imagine a world where your complex operation realises its full potential. At Mipac, we believe by empowering teams with operational insights and foresight, we can help organisations optimise production, minimise variability and enable operational excellence.

Features and benefits

Loop health and performance reporting

Real-time monitoring of control loop health and performance across the entire operation, identifying issues as they arise. This ensures standardisation and consistency in loop management practices and reporting.

Master control loop database

A central repository for all control loop information streamlines the tracking and management of changes to tuning parameters and other adjustments over time.

Detailed control loop analytics

Offering detailed reports and analytics, Loop Performance enhances decision-making and operational strategies with deep insights.

Integration with existing control systems

Loop Performance seamlessly integrates with AVEVA PI AF, a commonly used historian in industrial processes, ensuring compatibility and smooth implementation without major disruptions.

Detect and alert

You can receive immediate notifications of any deviations or anomalies in control loop performance, ensuring quick responses to potential issues and preventing escalation.

User-friendly interface

With its intuitive and easy-to-navigate interface, Loop Performance is accessible to teams of all skill levels, simplifying the user experience.

Team collaboration

Loop Performance allows teams to collaborate through real-time annotations and comments.

Why choose Loop Performance?

Minimise unplanned downtime

By continuously monitoring control loops and identifying issues before they escalate, teams can proactively maintain equipment.

This preemptive approach minimises equipment failures and process disruptions, keeping operations running smoothly and efficiently.

Reduced plant variability

Loop Performance is instrumental in decreasing process variability, a key factor in maintaining consistent product quality and operational stability.

Optimising control loop performance ensures operational parameters remain within desired limits, leading to more predictable and stable plant operations.

This stability is crucial for meeting production targets and maintaining high-quality standards.

Increase production

By maintaining optimal loop functioning, you can achieve higher throughput and reduce underperformance.

This leads to maximised production capacity and better utilisation of plant resources, positively impacting the bottom line.

Seamless integration

We believe data should be retained at its source.

Loop Performance integrates with your existing systems (such as AVEVA PI AF) ensuring smooth data flow, reducing duplication, and increasing overall efficiency.

Supports engineers

Loop Performance focuses engineering efforts by minimising manual reporting and offering targeted guidance and recommendations on prioritising loops for investigation.

Why choose Loop Performance

Increased collaboration and communication

Plant personnel will benefit from a standardised platform for control loop management.

By facilitating communication between operators, engineers, and management, effective coordination and resolution of issues is completed promptly and efficiently.

Improved decision-making

Loop Performance's advanced analytics and reporting capabilities give your operation a comprehensive understanding of control loop performance.

This clarity and depth of information means you can plan effectively, allocate appropriate resources, and make adjustments for operational optimisation.

By equipping your operation with these advanced capabilities, Loop Performance plays a crucial role in enhancing operational safety, reducing equipment failures, and driving overall efficiency and compliance, which combine for sustainable improvements in output.

Where is Loop Performance information stored?

Loop Performance integrates with your control system through AVEVA PI AF, ensuring investments in existing infrastructure are leveraged. Where required, we will establish a new master control loop database.

What's included with the Loop Performance application?

As a comprehensive solution for effective control loop management in industrial processes, Loop Performance allows unlimited users, tags, control loops, and areas within an asset.

What support is provided?

We understand that different customers have different support needs, which is why we offer two levels of support. Our standard support package is designed for customers who need basic support, while our premium support package is ideal for customers with more complex needs or customised solutions.

Standard support is included with Alarm Manager and provides access to our knowledgeable support team for assistance with any software-related issues you may encounter. Standard support covers typical software application issues such as bugs and incidents. Standard support will be available during normal Brisbane business hours.

Premium support is an option that offers access to expertise for complex issues that may require specialised knowledge supporting application or infrastructure problems. Premium support can be tailored to the size and complexity of the installed system and the desired response timeframes. Premium support also provides access to application specialists for minor additions or improvements.

How long does it take to implement?

Loop Performance can be implemented in as little as two weeks. The implementation timeframe of our solutions can vary depending on several factors such as whether there is existing infrastructure in place and if you require any site-specific reports. If an out-the-box Loop Performance application is required, connecting to a few critical loops the implementation can take anywhere from two to four weeks once the base system is set up. It's important to note that the exact duration will depend on the specific requirements of each project.

How easy is it for the user to modify Loop Performance?

Mipac has a capability transfer philosophy. Loop Performance utilises templates making it simple to extend and evolve your system as changes or new requirements are introduced.

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We believe in working together with our clients and partners to achieve their goals.

At Mipac we go
beyond the solution

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With more than

730

projects delivered worldwide

over the past

3

decades, we've worked in

more than

55

countries around the globe

for more than

110

clients across the globe

with a team of

180

experts dedicated to projects like yours