



Golden State

Detect deviations early to
avoid costly production
losses

About Golden State

Golden State is an application in the MPA suite, which is designed to cut through the complexity of minerals and metals processes by providing a clear and simple visual representation of when unit operations are operating outside of defined limits.

When a deviation occurs, Golden State shows the impact of adjusting individual and competing drivers to the overall process. Teams can then make quick and informed decisions to restore production to optimum levels.

Having a holistic view of a processing operation in a single application lets teams work together to achieve optimal production, meaning production targets can be achieved with minimum disruption.

How does Golden State work?

The Golden State application seamlessly integrates with existing data sources and continuously tracks all process drivers, alerting operators to any deviations from the optimal parameters, making it easier to identify and rectify issues before they become problems.

Golden State real-time displays show key process metrics and current performance. The overview screen highlights any processes outside the target range and when a process goes out of range, operators investigate the causes through the detailed drill-down displays. These displays identify specific drivers behind the issue and present relevant information such as trend data, standard work instructions, or other helpful resources to support decision-making. They not only help operators understand the root cause, but also provide insights into how adjusting one factor could impact the rest of the process.

Golden State's displays also serve as a valuable operator training tool for new or less experienced team members, providing them with a clear understanding of how individual drivers affect complex process outcomes.

Features and benefits



Continuous monitoring of process outcomes and drivers



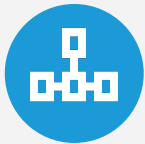
Fully configurable to your operational goals



Real-time alerts of production deviations



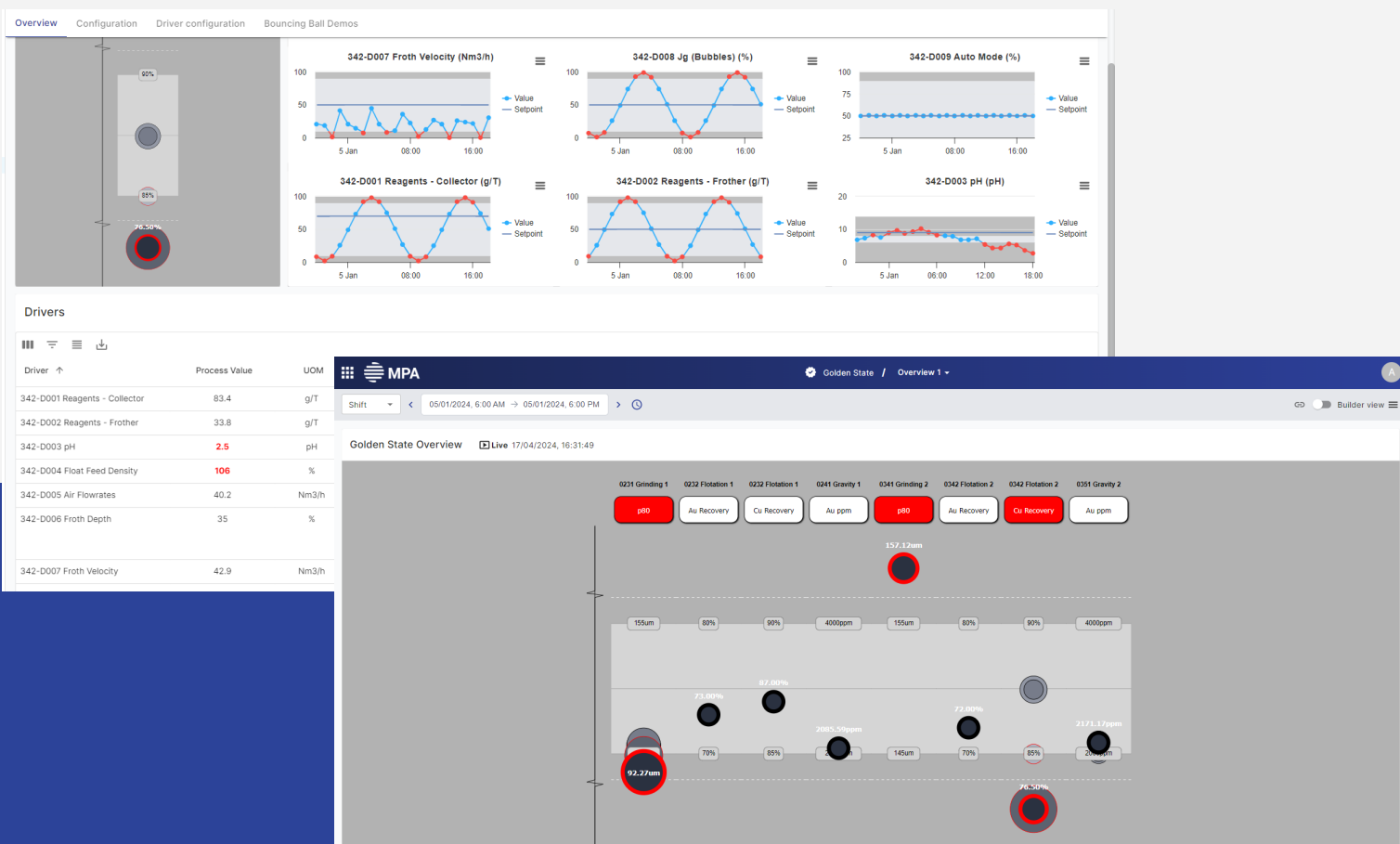
Enhance displays by adding process knowledge and learnings



Drill-down into the process drivers tree



Vary optimal parameters limits to accommodate external factors



Why choose Golden State?

Make better decisions

Golden State simplifies complex processes into intuitive displays, so operators are immediately alerted to process deviations and will perform corrective actions.

Detect deviations in real-time

Golden State monitors plant parameters and highlights any processes that are heading out of optimal ranges. Drill-down displays show operators the source of the problem and the implications of any changes to the process drivers, so they will respond with the best solution.

See your whole plant on one screen

Golden State integrates a range of different data sources, making all of your plant data visible in real-time, so you can clearly see what's on target—and what's not—all in one dashboard.

Easy to implement and manage

Your plant and systems are unique. We set up Golden State to mirror your operation regardless of the complexity. After that, it's easy for you to adjust it yourself as your plant processes and goals change.



Golden State FAQs

Can I configure Golden State myself?

Absolutely. It is Mipac's philosophy to transfer capability to our clients so you can build and customise MPA applications to meet your specific operational requirements. Mipac provides the configuration and support to get you started and you can easily extend the application use or modify existing configuration.

Where is Golden State information stored?

All MPA applications leverage your existing AVEVA PI AF system through pre-built templates. We integrate with PI so that we can retrieve your production data.

What's included with Golden State?

Golden State gives you the ability to create unlimited process outcomes and drivers tailored specifically for your asset.

Is Golden State replacing my control system?

MPA's Golden State application is designed to provide more than just an alert system. It offers a comprehensive view of your operation's health, focusing on deviations from optimal conditions with the added benefit of showing the impact of process drivers on process outcomes. Golden State provides contextual information that is crucial for making informed decisions quickly and effectively.

While control systems are essential for immediate operational safety and identifying issues with instruments or devices, they often lack the context and clarity needed for broader operational management.

Control system alarms typically indicate when an instrument parameter (e.g. tank level, flow rate, temperature) is outside its desired or safe operating range, which is different from identifying optimal operating conditions. Knowing if your operation is operating within a golden state requires data from other sources, including manual samples or laboratory results, which are not typically captured in control systems.





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

At Mipac we go
beyond the solution

Brisbane | Perth | Vancouver | Tucson

+61 7 3212 5600
sales@mipac.com.au

mipac.com.au

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