# Digital TARP

Pre-defined responses to production deviations to ensure you hit your daily production targets

mipac

# About Digital TARP

Digital TARP is an application designed specifically for the MMM sector. Digital TARP provides a centralised location for managing Trigger Action Response Plans (TARPs), allowing teams to collaborate on implementing corrective actions.

Automated alerts ensure that stakeholders are immediately informed when there is a deviation from normal conditions and a comprehensive audit trail provides visibility into all of the actions taken. This allows teams to understand what critical controls are in place and if they are effective.

Digital TARP's standardised approach ensures that personnel at all levels know how to respond to deviations, therefore minimising the impact and duration of the event. Teams can also optimise future TARPs by comparing and analysing historical TARP events.

Digital TARP enables mining operations to achieve greater efficiency, reliability and safety, ultimately improving production outcomes.

# Why Mipac?

Mipac is a global leader in operational technology, control systems and engineering services, with three 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 mining organisations optimise production, minimise variability and enable operational excellence.

Mipac's experience is emobdied in the MPA suite of integrated applilcations, developed to increase production, reduce variability and deliver operational excellence.

# Features and benefits

### Reduce variability

Respond quicker with streamlined corrective actions by having a clear and concise plan for pre-defined events.

### Risk management

Minimise risk by ensuring corrective actions align with an agreed best approach developed from past experiences.

### Increase production

Enhance decision-making and identify long-term improvement projects by grouping and comparing historical events.

### Tailored response

Digital TARP allows you to configure approved actions for each possible event, so that the optimal outcome is achieved.

### Proactive TARP management

Continuous monitoring, automatic activation and escalation of the TARP is based on user-defined criteria. Automatic notifications when a TARP is activated or escalated.

### Collaboration in real-time

Promote teamwork by providing defined groups with a real-time view of recommendations and actions for the event.
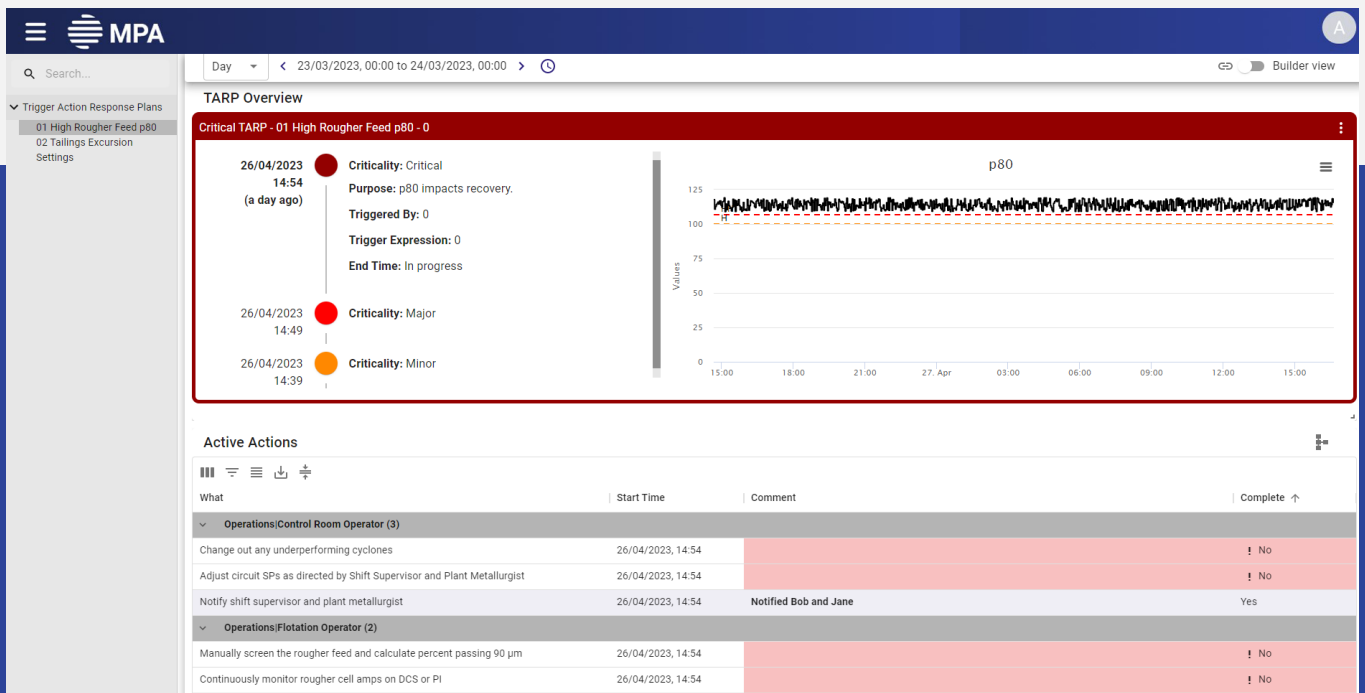
### Event insights

Real-time visibility of deviation and action status ensures everyone is on the same page during the event.

### Detailed audit trail

Full audit trail of events including additional recommendations and actions allows teams to improve future TARPs.

# Why choose Digital TARP?

In a complex operation, responding to production variations is a critical task. It is imperative that operators are able to respond quickly and efficiently following best practice to resolve the situation. Staff with varying experience levels, working shift patterns and relying on paper based systems will not know the best course of action for any problems that occur.

Digital TARP is the optimal method to streamline how your staff respond to deviations from normal conditions. It automates alerts, improves team collaboration, and provides real-time visibility into corrective actions. This helps ensure that all stakeholders are informed, enabling quicker and more effective responses. With Digital TARP, mining operations can reduce downtime, increase safety, and improve overall production efficiency.

Additionally, by analysing historical events, teams can make more informed decisions and continuously improve their response plans, enhancing reliability and operational outcomes.

# How Digital TARP Compares

| Capability | Digital TARP | Paper | Excel | AVEVA PI Vision |
|---|:---:|:---:|:---:|:---:|
| Automatically detect, activate, notify and escalate TARP events | ✓ | ✗ | ✗ | ✓ |
| Capture comments on the TARP and all actions taken | ✓ | ✓ | ✓ | ✗ |
| Additional actions, not included in the TARP, are captured for audit and learning. | ✓ | ✓ | ✓ | ✗ |
| Real-time visibility across systems and stakeholders | ✓ | ✗ | ✗ | ✓ |
| Easily modify, enable and disable TARP actions | ✓ | ✗ | ✓ | ✗ |
| Easily navigate and compare historical TARPs for optimised decision-making | ✓ | ✗ | ✗ | ✓ |
| Minimise data entry errors | ✓ | ✗ | ✓ | ✗ |
| Easily edit historical data | ✓ | ✗ | ✗ | ✗ |
| Simple version control maintenance | ✓ | ✗ | ✗ | ✓ |
| Minimise catastrophic failures | ✓ | ✗ | ✗ | ✓ |
| Leverage investments in other systems | ✓ | ✗ | ✗ | ✓ |
| No custom coding and maintenance required | ✓ | ✓ | ✗ | ✗ |

## How are users notified of a TARP event?

Different stakeholders require different notifications. Control Room Operators may have a live TARP view available allowing them to respond immediately to any deviations. Other stakeholders may choose to be notified via Email, Teams, WhatsApp or SMS.

Notifications can be configured based on the requirements for each TARP.

## Can I make comments on a TARP?

Yes, users can enter comments and recommendations on individual TARP actions and as a summary for the entire TARP event.

## Where is TARP information stored?

The Digital TARP application leverages your existing Historian system to generate and capture event information, allowing you to integrate into existing systems and processes.

## What's included with the TARP application?

The TARP application will give you access to as many TARPs as required for your asset. These TARPs can be used for production, asset, safety and/or environmental purposes. Each TARP can be tailored to meet your operational requirements.

## Can I build new TARPs myself?

Absolutely! It is Mipac's philosophy to transfer capability to our clients so you can build and customise new TARPs to meet your specific operational requirements. Mipac can provide initial support to get you started and then you can extend Digital TARP to other applications or modify existing TARPs.

# mipac

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**

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over the past

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