

WHITE PAPER

Closing the Loop: From Observations to Resolutions in High-Risk Environments

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Executive Summary

In high-risk environments such as construction, manufacturing, energy, and healthcare, the ability to identify hazards is only the first step in risk management. True safety excellence is achieved by ensuring that every observation—whether a near miss, hazard, or non-compliance—is acted upon and resolved.

This white paper explores how Real Time Risk Solutions (RTRS) enables organizations to “close the loop” between identifying issues and confirming their resolution. By combining mobile observations, real-time task assignments, automated follow-up tracking, and analytics, RTRS ensures accountability, transparency, and measurable improvements in safety performance.



The Gap in Traditional Safety Programs

Many safety programs excel at capturing hazards and observations but struggle with:

- Delayed or incomplete follow-up on corrective actions
- Manual tracking of resolutions via spreadsheets or email
- Limited visibility into task progress
- Lack of documentation for audits and client reporting

These gaps can result in unresolved hazards, repeat incidents, and increased liability.

The RTRS “Closed-Loop” Approach

RTRS is designed to ensure that every identified hazard progresses through a complete lifecycle:

01. Capture

Observations are recorded in the field using the RTRS mobile app, with photos, notes, and classification.

02. Assign

Issues are immediately assigned to the responsible party, inside or outside the organization.



05. Analyze

Dashboards and reports track resolution times, recurring issues, and performance trends.



04. Verify

Follow-up includes photographic or documented proof of completion.



03. Act

Assignees receive real-time notifications and instructions to address the hazard.

Benefits of Closing the Loop

✓ Faster Hazard Resolution

Immediate assignment and mobile alerts reduce the lag between identification and corrective action.

✓ Improved Accountability

Named responsibility and deadline tracking ensure no hazard “falls through the cracks.”

✓ Audit-Ready Documentation

Each resolution is recorded with time stamps, before/after photos, and a digital audit trail.

✓ Trend Analysis

Resolution data identifies recurring hazards, enabling proactive mitigation strategies.

✓ Stronger Safety Culture

Field teams see that reported issues lead to action, encouraging ongoing participation.



Use Case Example

- **Industry:** Commercial Construction Contractor
- **Challenge:** Safety observations were captured but often delayed in resolution, leading to repeat hazards.
- **Solution:** RTRS observation module with automatic assignment, escalation rules, and verification requirements.

Results:

- 55% reduction in average time-to-resolution within six months- 100% closure on critical hazard reports
- Increased frontline reporting by 40% due to improved trust in the process



Integrating Observations with Other RTRS Features

Closing the loop is even more powerful when integrated with:

+ Mobile Forms

Digitize your internal forms

+ Training Modules

Assign targeted training in response to repeated hazard types.

+ Analytics Dashboards

Measure and share performance with leadership, clients, or regulators.

Conclusion: From Data Collection to Risk Reduction

Collecting safety observations is only valuable if those observations result in action. RTRS transforms observation programs from passive data collection into active risk reduction strategies.

By closing the loop, organizations:

- Reduce incidents
- Improve compliance
- Build a culture of accountability
- Provide verifiable proof of safety performance

In high-risk environments, the difference between identifying a hazard and resolving it can be the difference between prevention and loss. RTRS ensures you don't just see the risk—you eliminate it.

About Real Time Risk Solutions

Real Time Risk Solutions is a cloud-based safety and risk management platform that empowers organizations to identify, assign, track, and resolve hazards in real time. With mobile-friendly tools, analytics, and integrations, RTRS helps clients reduce risk, improve safety culture, and achieve compliance with confidence.

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