

CASE STUDY

AUTOMOTIVE

Near-miss reporting scaled across automated machining lines

An automotive component manufacturer replaced manual near-miss reporting, siloed observations, and inconsistent audit closure tracking with mobile capture, enterprise safety alerts, and centralised governance.

Multi-plant

Heavy equipment

6 min read

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Client highlights

From fragmented evidence to standardised RCA and multi-site action control.

Operating environment

- Automated machining lines
- High equipment proximity
- Cross-plant standardisation
- Mobile adoption for floor teams

01 The Problem

- Behaviour observations existed but not analysed
- Near-miss reporting was weak
- Safety alerts and lessons were not shared

02 What Changed

- Integrated BBS + incidents + inspections
- Mobile near-miss capture
- Enterprise safety alert distribution

03 What Improved

- 72% increase in near-miss reporting
- 36% reduction in recordable incident rate
- 49% faster investigation completion

The challenge

Manual signals could not scale with automated, high-equipment-density operations.

01

Weak near-miss culture

Reporting friction meant fewer signals from the floor.

02

Siloed observations

Behaviour observations were captured but not used to drive action consistently.

03

Cross-plant learning gaps

Alerts and lessons did not travel reliably between locations.

04

Inconsistent closure

Audit findings tracked locally made closure discipline uneven.

The core issue was not only reporting volume. It was the ability to convert near-miss signals into repeat-prevention controls across plants.

What OQSHA implemented

A standardised safety environment across automated machining operations.



BBS + Near Miss

Configured for more floor signals, fast capture, and correct routing.

Key workflow controls

- One-tap near-miss capture with guided categories
- Behaviour observation templates with frequency targets
- Auto-routing to area owners and EHS by zone

Audit proof captured

- Time-stamped submissions + ownership history
- Repeat-theme tagging for prevention planning



Safety Alerts + Audits + Investigations

Configured for cross-plant learning and closure discipline.

Key workflow controls

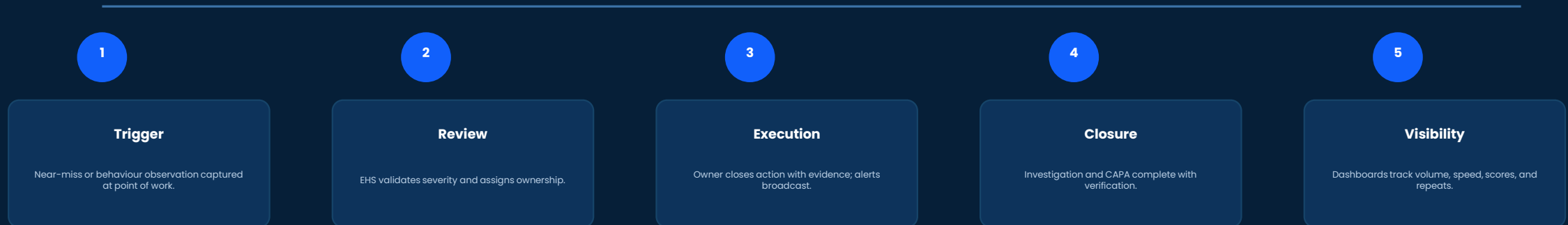
- Enterprise safety alert broadcasting workflows
- Recommendation distribution for similar-risk areas
- Digital audits that auto-create actions from findings

Audit proof captured

- Alert-to-action traceability
- Audit compliance scoring visibility across plants

Workflow at a glance

A closed-loop flow from floor signal to verified preventive action.



Result: Safety alerts turn local events into cross-plant learning, not isolated reports.

Field capture view

Near-miss + BBS capture with routing and evidence.



AI-generated sample screen. Actual screens can be seen in a live demo.

Why this mattered

- Low-friction capture increased reporting volume
- Guided categories improved input quality
- Zone routing shortened review lag
- Evidence helped owners close actions faster

Corporate visibility

Enterprise alerts, cross-plant audits, and learning compliance in one dashboard view.



AI-generated sample screen. Actual screens can be seen in a live demo.

38 / 25 / 52

Near-miss signal view

Plant-wise visibility into reporting volume

91.5% / 88.0% / 94.2%

Audit compliance scores

Comparative closure discipline across plants

12 + 9 + 7

Repeat equipment themes

Conveyor, forklift, and guarding trends

Measured outcomes

The rollout improved leading indicators, incident reduction, and investigation speed.

72%

More reporting

Increase in near-miss reporting volume

36%

Lower incident rate

Reduction in recordable incident rate

49%

Faster investigations

Faster investigation completion time

28%

Fewer repeats

Reduction in repeat equipment-related incidents

What enabled the improvement

Mobile capture

Safety alert broadcasting

Linked CAPA discipline

Repeat-theme tracking

Cross-plant governance

Role-Based Access Control

Immutable Audit Trail

PDF/Excel Exports Available

Offline Field Capture

Ready to build a near-miss culture that scales?

Request a live demo and see how near-miss reporting, alert broadcasting, and investigation closure can work inside your plant workflows.

1

Map one workflow live

Permits, incidents, inspections, audits, or training flows.

2

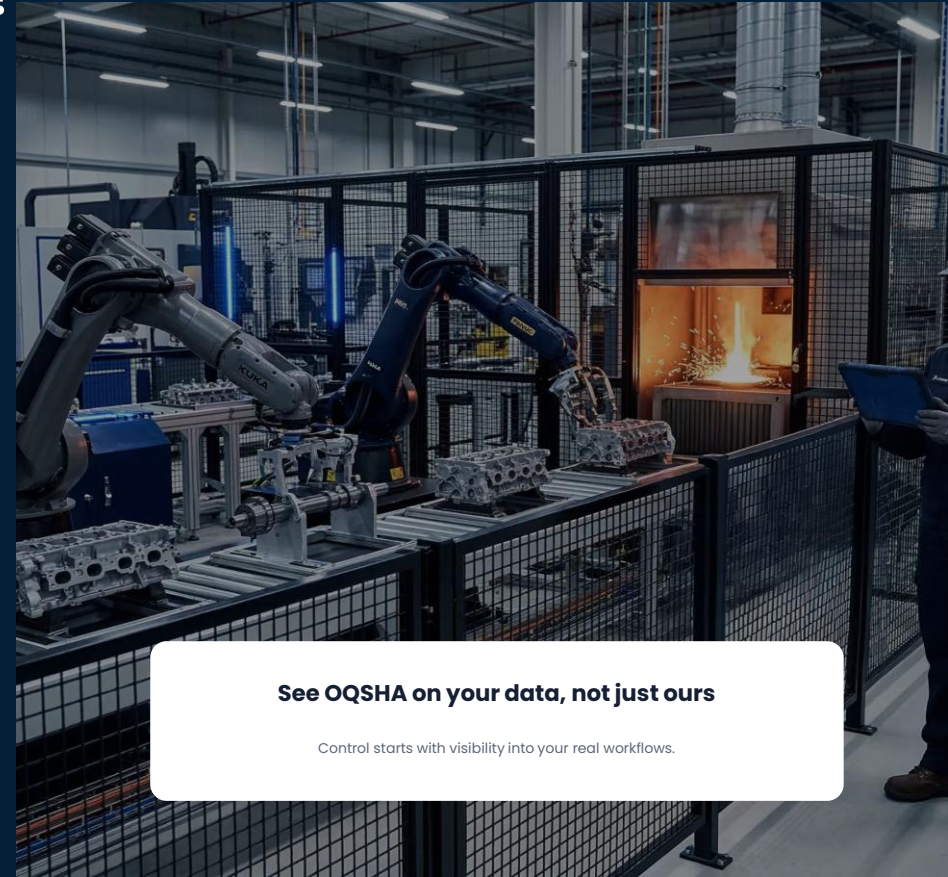
Get a quick ROI estimate

See where manual tracking and delayed closure add friction.

3

Take a security brief to IT

Discuss access, audit trail, deployment, and data controls.



See OQSHA on your data, not just ours

Control starts with visibility into your real workflows.

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