



FleetInfinity

Platform Module

DVIR Pre-trip Inspection

Stay ahead of safety risks

Driver vehicle Inspection Report

The transition from traditional paper-based forms and manual inspections to digital systems represents a critical milestone in modern fleet management. In high-risk operational environments, neglecting preliminary checks can result in catastrophic equipment failures and costly unplanned downtime. By transforming the inspection process into a mandatory, non-bypassable system requirement, the Digital Pre-Trip Inspection (PTI) module eliminates data blindness and establishes a strictly proactive approach rooted in precise driver accountability.

A mining enterprise operating heavy machinery was experiencing high rates of critical component failures and unplanned downtime due to inaccurate, or skipped daily inspections by operators. By deploying connected Android displays within the vehicle cabins, the system mandated personnel ID authentication and the completion of pre-start safety checklists prior to ignition. By logging violations and dispatching real-time alerts to fleet managers in the event of non-compliance, this system drove a remarkable enhancement in safety. They significantly reduced maintenance costs, and achieved a record of zero major incidents within its first year of operation.

How do we help?

By transitioning the inspection process to an interactive, in-cabin digital portal, the FleetInfinity system transforms fleet management from guesswork and over-reliance on manual compliance into a definitive, data-driven strategy. By mandating that operators strictly execute pre-start safety protocols and establishing a transparent communication bridge between the driver's cabin and the management back-office, this module ensures that no asset enters the operational cycle harboring unaddressed technical defects or lacking proper safety clearance.

How it works

Upon entering the vehicle cabin, the operator inputs their unique Personnel ID into the in-cabin Android terminal. Following secure authentication, the system presents a dynamic pre-trip checklist specifically configured by the fleet manager. The driver is mandated to systematically validate the status of various critical operational and safety parameters. Should the operator submit a response that contradicts established safety standards, or attempt to bypass the inspection protocol entirely, the system immediately registers the event as a critical violation. Concurrently, it restricts standard operational clearance and dispatches instantaneous, multi-tiered smart alerts directly to HSE (Health, Safety, and Environment) and maintenance supervisors.

Why fleet managers choose this module

- 100% Compliance with Safety Protocols
- Drastic Reduction in Unplanned Downtime
- Enhanced Operator Accountability
- Improved Maintenance Response Times
- Protection of Human and Physical Assets

Main features

- Smart Operator Authentication.
- Dynamic & Customizable Form Builder
- Automated Violation Logging

Your Savings

- Up to 90% Decrease in Administrative & Inspection Labor
- 30% Reduction in Overall O&M (Operations & Maintenance) Costs
- 18% Increase in Total Fleet Productivity
- Up to 50% Drop in Preventable On-Road Breakdowns
- 100% Elimination of Uninspected Dispatches

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