



# RETAIL GUARD 360

Online Channel  
Suspicious  
Transaction  
Detection System

Manual  
Accounting  
Transactions  
Control System

Franchise  
Business Revenue  
and Expense  
Control

Supplier Risk  
Scorecards

## RETAIL GUARD 360

**RG360** is an integrated security solution developed to combat internal and external fraud cases faced by the retail sector.


Powered by advanced analytics and machine learning technologies, RG360 learns from historical fraud cases to provide proactive protection against new-generation fraud methods.

Going beyond traditional control mechanisms, RG360 analyzes anomalies across all operational layers in real time — from employees to customers, from franchise branches to suppliers — helping safeguard your business from potential losses.



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## ONLINE CHANNEL SUSPICIOUS TRANSACTION DETECTION SYSTEM



A comprehensive control system that monitors and analyzes all online transactions in retail operations in real time. It is an advanced software solution that uses artificial intelligence and machine learning algorithms to detect deviations from normal transaction patterns. The system automatically flags suspicious transactions based on predefined risk parameters and learned behavioral patterns, sending instant alerts to risk management teams.

The project directly contributes to the company's financial performance by reducing average operational losses. It strengthens internal control processes, minimizes operational risks, and significantly reduces employee misconduct.

Additionally, it automates audit processes, lowers labor costs, and improves audit quality. The system requires detailed records of all sales transactions, return operations, and cash register activities. Personnel data such as employee information, authorization levels, and shift schedules, along with stock movements and inventory records, are critically important. Furthermore, data on customer segmentation, purchasing behaviors, and historical fraud cases are also essential for the system to function accurately.





# MANUAL ACCOUNTING TRANSACTION CONTROL SYSTEM

It is a specialized audit system developed to detect potential fraud and errors in manual transactions carried out by the accounting department.

Using AI-powered algorithms, it is an integrated control mechanism that identifies deviations from standard accounting practices and detects suspicious transaction patterns.

The system focuses particularly on manual journal entries, adjustment transactions, and periodic accounting records to identify potential risks.



The system analyzes all manual transactions carried out within your company's accounting department to identify irregular entries and unusual transaction patterns. It automatically detects anomalies in account movements, abnormal timing, and inconsistent records, assigns risk scores, and sends instant alerts to relevant departments. By generating a detailed breakdown of suspicious individuals and transactions, it reveals critical information such as when the transaction occurred, under what authorization, and who approved it.

With this system, errors and fraud stemming from manual accounting operations can be significantly reduced, greatly enhancing the reliability of financial reporting.

For the system to operate effectively, detailed data on all manual accounting records, journal entries, and adjustment transactions is required. In addition to system data such as user authorization levels, transaction timestamps, and user log records, information related to the chart of accounts and accounting policies is critically important. Moreover, historical accounting data, standard transaction patterns, and records of past fraud cases are essential for the system to function accurately.



# RETAIL GUARD 360

## FRANCHISE OPERATIONS REVENUE AND EXPENSE CONTROL



It is a comprehensive management system that centrally monitors and controls all financial flows of franchise operations.

By tracking the income and expense activities of franchise branches in real time, it acts as an integrated control mechanism that ensures financial alignment between company-owned and franchise locations.

The system continuously analyzes the financial performance of franchise operations, enabling early detection of anomalies and potential risks.

By increasing financial transparency across the franchise network, the system strengthens the trust between the headquarters and branches while optimizing operational efficiency. It eliminates financial losses by detecting revenue leakages in franchise operations. Through standardized reporting and analysis processes, it accelerates managerial decision-making and enables more accurate strategic planning.

To function effectively, the system requires essential financial data such as all sales records, cash register transactions, expense invoices, and inventory logs from franchise branches.

Detailed information on personnel costs, operational expenses, rental fees, and other fixed costs, along with critical data such as franchise agreement terms and royalty rates, form the foundation of the system.





# SUPPLIER RISK MANAGEMENT SYSTEM

An advanced analytics and early warning system that continuously monitors all your suppliers using multidimensional risk parameters.

This integrated risk management platform leverages artificial intelligence and advanced analytics to evaluate the financial health, operational performance, and compliance risks of your suppliers.

It proactively identifies potential threats within the supplier portfolio, anticipates supply chain disruptions, and alerts management to take timely, preventive action.



It ensures operational continuity by minimizing supply chain disruptions, thereby enhancing the company's competitive advantage.

By reducing supplier-related quality issues and cost escalations, it contributes directly to increased profitability and improved customer satisfaction.

Furthermore, through strategic supplier management, it helps optimize procurement costs and strengthen supplier relationships—laying the foundation for long-term, value-driven partnerships.

For the system to operate effectively, operational data such as supplier delivery performance metrics, quality control reports, and historical order information is required.

Financial and corporate data—including suppliers' financial statements, trade registry information, credit scores, and market intelligence—are critically important. Additionally, industry benchmark data, market research reports, and information on suppliers' social compliance and sustainability performance are also essential for comprehensive risk assessment.

