

# RHD ATOM

Unify 2 Simplify.

## Product Overview

Alfa Group's professionals have over 10 years of experience in Anti Fraud, built through many successful projects in Italy and EMEA Emerging Markets targeted to a broad spectrum of industries, first of all: Finance, E-Commerce, Telcos, Industry, Aerospace & Defence.

Thanks to this expertise, in 2012 Alfa Group's Security R&D released RHD ATOM, our framework, orchestrator and real time monitor for IT Frauds, based on BigData Security Analytics techniques.

RHD ATOM addresses the issue of IT Frauds through a highly innovative holistic approach. This approach is based on establishing a "Company Antifraud" which runs through Online, Offline and Internal Anti-Fraud. In a "Company Antifraud" environment, data and information on events, fraud patterns and user profiling, coming from heterogeneous sources, are made consistent with each other in terms of technologies, methodologies and processes.

## Near-Real Time Monitoring: Tackle Frauds faster, more effectively, with fewer losses

In RHD ATOM, informations coming from sources such as Transactional Risk Engine, Behaviour Risk Engine, Customer Profiling and Big Data Analytics can be collected and managed within a single repository. The main benefit of this is that data can now be easily correlated with each other, ensuring significantly faster attack response and more effective fraud prevention.

RHD Atom features numerous standard connectors that enable communication between different sources, providing a valuable tool for behavioral analysis in Near-Real Time.

## Anti-Fraud supporting the Business

The integrated RHD ATOM platform allows you to continuously collect and analyze informations on customers' habits, which can reveal behavioral patterns and needs that may be useful to business growth.

Through RHD ATOM such data can be easily aggregated and presented to various operators of the company, also external to the IT Security department, including Management, Sales, Audit & Control, IT, Audit & Compliance and Marketing.

With RHD ATOM, Anti Fraud can be a useful tool not only for information security, but also for decision-making and business growth as a whole.

## RHD ATOM's Holistic Approach to Anti-Fraud

Through RHD Atom you can collect in a single repository the information coming from different kinds of Anti Fraud, such as:

### ONLINE Anti-Fraud:

- Recognition of fraud patterns and customer profiling
- Contrast and Multi-Channel Fraud Prevention (CC, CD, ATM, ...)
- Dashboard sources and Risk Management

### OFFLINE Anti-Fraud:

- Batch monitoring and asynchronous flows
- Physical and ATM fraud prevention
- Further enrichment of the database

### INTERNAL Anti-Fraud:

- Compliance Inspections
- Employee behavior profiling
- Insider Detection

## RHD ATOM's Key Features

RHD ATOM is a powerful tool for the analysis of the acquired data. Here are a few examples of the features that our platform offers:

- Read the statistics regarding use of the services
- Monitor in real time any specific or generic event
- Collect, organize and file logs from an entire infrastructure
- Generate custom reports on log and acquired data
- Query Audit tables and dynamically generate custom reports
- Dynamically create different workflows for management practices
- Automatically open an analysis file upon an event generated by the system
- Manage with the tracking system operations carried out by the operators
- Provide correlations between logs and events that can enrich the analysis of a case
- Build dashboards and reports for the technical or administrative management

## The Technology behind the solution

RHD ATOM already integrates different kinds of security systems and related technologies such as:

- Platform for Adaptive Authentication and calculation of Transaction risk
- Strong Authentication Systems
- Biometric authentication systems for mobile devices,
- Applicative Front-End,
- Machine data analysis systems,
- Business Process Management platforms
- Software for endpoint security, Kaspersky KFP4E and KFP Mobile SDK

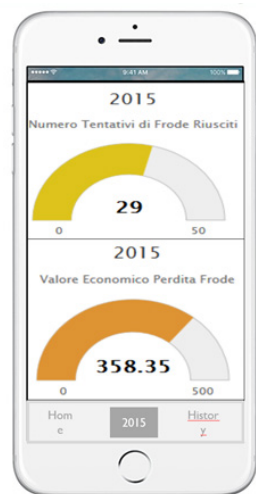
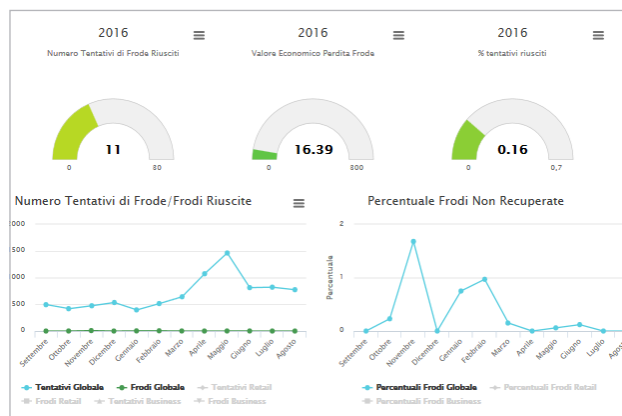
## CROSS DEVICE INTERFACE

### Web App

- System for dynamic creation of reports.
- System for Real-time monitoring of web applications
- Component for creating dashboards and report
- System for the definition of the workflow for the management of cases of analysis

### Smartphone & Smartwatch APP

- Push Notifications about the KPI trends coming from RHD ATOM web platform, both smartphone and smartwatch compatible.
- Graphic Dashboards on both device and smartwatch
- Drill-down of aggregated data for a higher detail level.
- Data aggregation on a time basis (current day - month - year)



Need More Information?