

# iAnalyze

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Unified Fraud Detection and Revenue Assurance Platform for Telecom Operators





PertSol is a leading Telecom and IT solution provider for Telecom/  
Internet Service Providers, Government and Law Enforcement Agencies  
providing explicit offering of capabilities starting with specialized solutions,  
customized software applications, professional and project management services  
with dedicated cross functional agile teams.

Our solutions have been shaped by our deep domain knowledge,  
built by harnessing our strength in next generation technologies across  
Telecom Regulatory Compliance Management, Telecom Core Network,  
Emergency Response System, Big Data Analytics & Internet of Things (IoT).  
Backed by our superior delivery experience with a key focus on quality.

**9+** YEARS OF  
OPERATIONS

**60+** R&D  
EXPERTS

**25+** FUTURE READY  
SOLUTIONS

**60+** PROJECTS  
DELIVERED

**65+** HAPPY  
CLIENTS

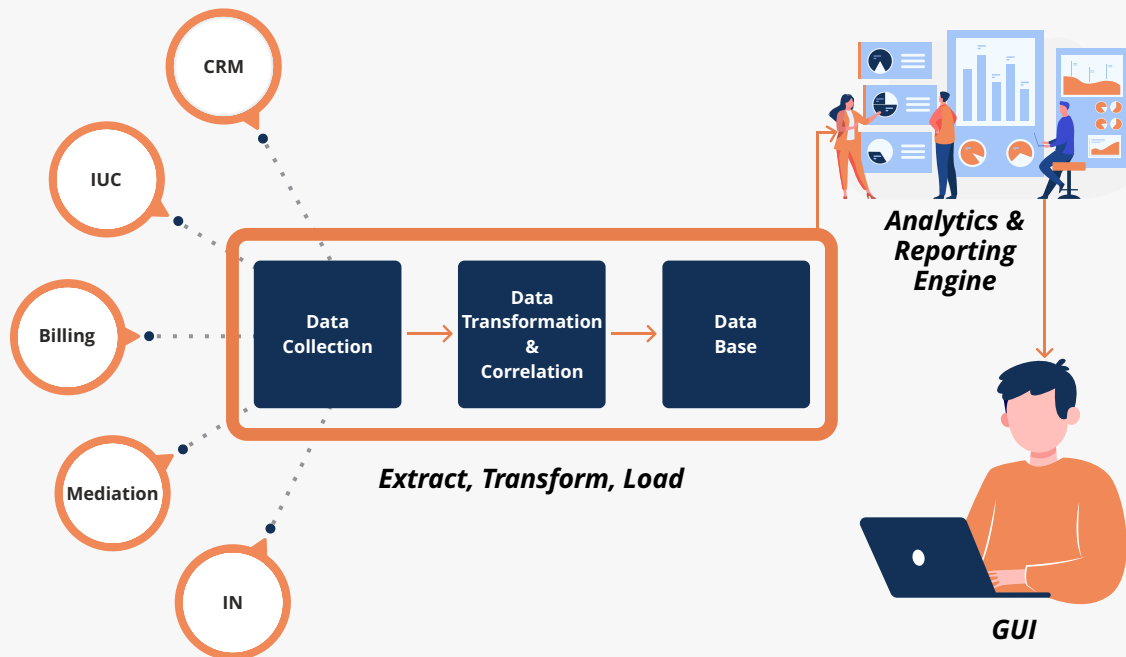
**23+** LOCATIONS  
WORLDWIDE

# iANALYZE

## Introduction

PertSol iAnalyze platform supports the businesses/trade affected by fraud and revenue leakages by providing data mining, unparalleled and field-proven advanced analytics that efficiently calculates and monitors statics to detect existing anomalies across the revenue stream thus mitigate frauds via automated deprovision. It uses a layered approach to deal with the growing complex and sophisticated internal and external fraud, whose velocity and impact are on the increase. Predictive analysis further enables to mitigate new fraud methods.

PertSol iAnalyze, is a user-friendly end to end web-based solution that monitors customers', dealers' or internal users' analytical behaviour and promptly discovers and prevents relevant fraud to reappear. It offers a variety of unique fraud detection and prevention technologies which can significantly increase an organizations operational efficiency.



PertSol iAnalyze's Network for Business framework is designed to help gain deep insights into various business processes of a telecom operator. It also provides complete control through the entire revenue value chain,

comprising the revenue assurance and fraud management controls, business processes and platform technology, directly addressing an Operator's risk management strategy objectives.

It is an end-to-end solution for cross-horizontal, cross vertical monitoring and in-depth, multi-dimensional, analysis of the entire revenue streams and its processes. It addresses the problems and identifies root causes through an analysis of a particular area or a single pair of the NEs within a revenue stream.

iAnalyze platform has been designed to effectively meet the following objectives:

- ✓ **iAnalyze's Process Consistency and Data Accuracy**
- ✓ **Maximized user configurability & visualization**
- ✓ **E2E flow(s) automation and processing stability**

iAnalyze can be deployed as either stand-alone Revenue Assurance/Fraud Management solution or a complete Fraud management and revenue assurance platform. The stand-alone deployment of iAnalyze RA or iAnalyze FM transition to the full iAnalyze Risk Management is subject to seamless expansion or upgrade with no downtime, i.e. number of functionality (RA or FM) specific modules shall be added to the standalone deployment and "common modules" shall be reused in fully integrated manner.

# iANALYZE

## Key Product Benefits

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# KEY FEATURES

## Solution With Excellent Capabilities



**Fully Configurable Rule-Based** data acquisitions and controls, with drag-and-drop, visualized builders, enabled to define or tune cross-conditional data acquisition rules and control i.e. no costly and time-consuming development of adapters or similar needed.

**Process Workflow Management and Process Execution Control** (jOctopus), for fully automated, scheduled and/or condition based process flow(s) creation, editing, control and execution, whether internal iAnalyse tasks or surrounding legacy systems tasks are in matter, also supporting rollback configuration.



**Fully Dynamic iAnalyse Menus and Views Configuration** (Application Factory), for personalized iAnalyse views, working area, and deployment that are role and/or credential-based.

**Shared Modules** (Data Acquisition & Controls Builder, Rating, Billing, Alarm & Case Management, Data Analysis, KPI Management and jOctopus) , whether iAnalyse is deployed as Fraud or Revenue and Business Assurance solution or as an integrated Risk Management solution, which secures the data acquisition and processing consistency and reusability together with result data integrity through all iAnalyse processes, tasks and flows, i.e. All-in-One solution.



**Genuine, Fully Featured, Rating and Billing**, for comprehensive and in-depth legacy billing(s) control and verification also enabled for parallel run of real-time rating and post-paid billing.

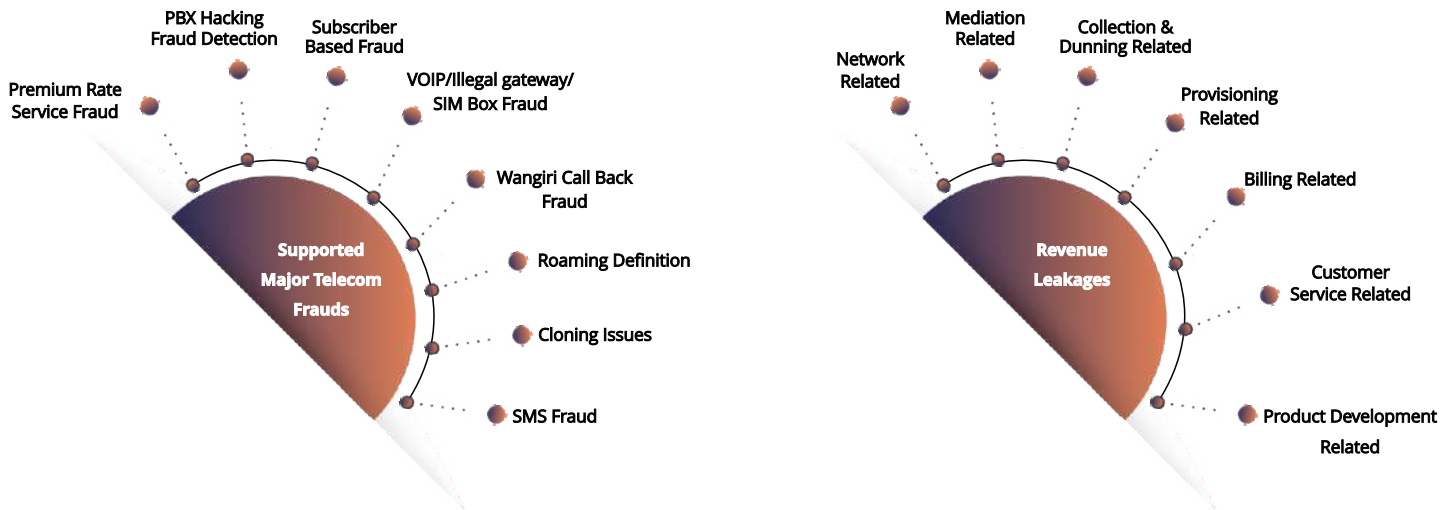
**Total Solution Supporting Phased Implementation** and reuse of shared components throughout enterprise (Application Factory, jOctopus, Telco-Centric ETL) .



# SUPPORTED

## Major Telecom Frauds & Revenue Leakages

iAnalyze supports detection and prevention of all major frauds and revenue leakages encountered by telecom operator worldwide.



# SUPPORTED

## File Formats

iAnalyze supports the following file formats:

ASCII File format such as, Comma Separated Files, Pipe Separated Files, Fix Length Files and Semicolon Separated file	Binary File Format (Multiple Dictionary Types)	ASN1 File Format
XML File Format	Radius/AAA File Format	Regex Parser Plug-in

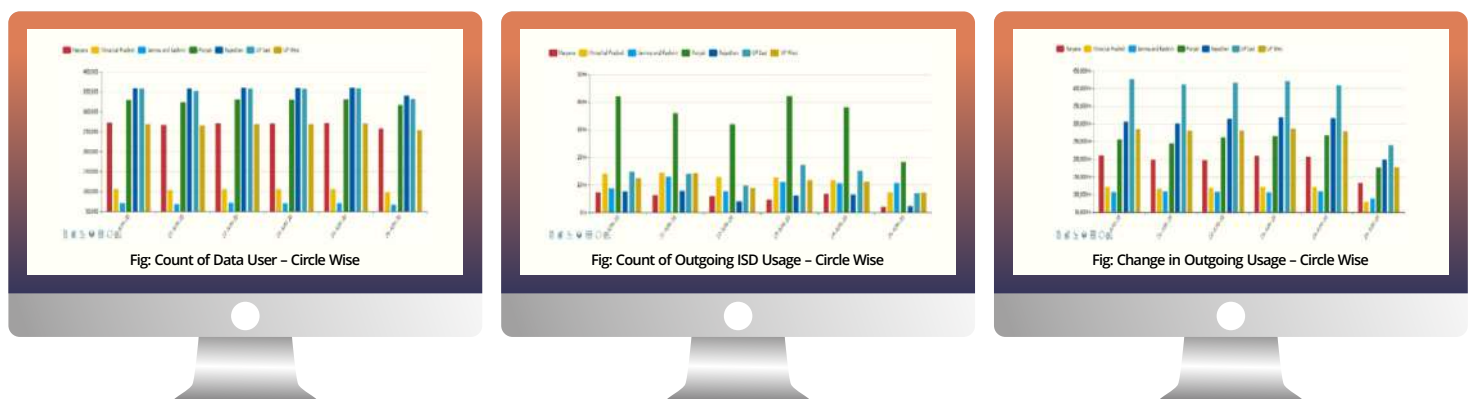
# iANALYZE

## Dashboard & Reports

The Search Output (result) will be displayed at iAnalyze GUI with support of graphical representation and dashboards. The dashboards can be customized by the user to visualize different reports. Some of the standard dashboards that iAnalyze has are:

<b>Volume of traffic for different services (Voice, SMS and Data)</b>	<b>Operator wise value of taxes and fees for the services sold</b>	<b>Count of each type of mobile money transaction</b>
<b>Anomaly or sudden change in traffic</b>	<b>Value of each type of mobile money transaction</b>	<b>MSC/IN reconciliation</b>
<b>Operator wise service usage count and value</b>		

User can customize reports as per their requirement. The search result can also be extracted/exported or saved as a file in CSV, XLS, PDF or text format. The query result can also be sent to multiple destinations either in same format or separate format. The search result can be sent either electronically or manually to these destinations.





**PertSol**<sup>®</sup>  
Simple Solutions for Complex World

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