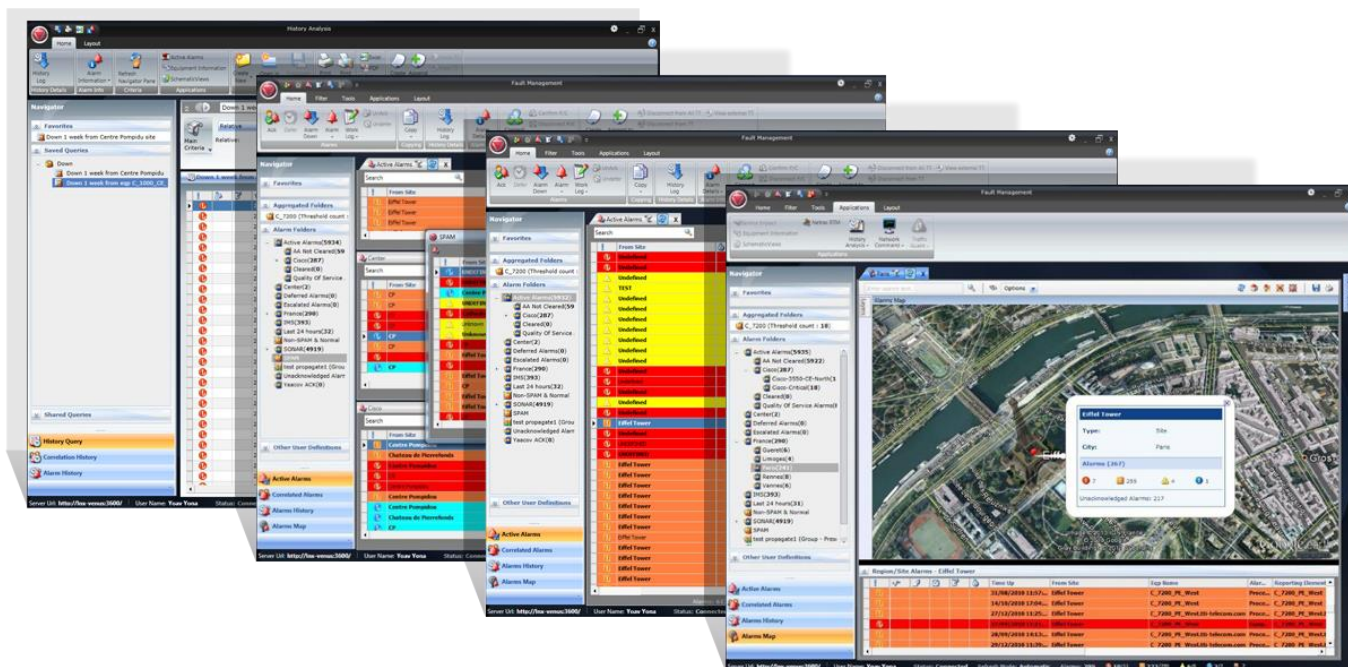# Netrac Fault Management

A SINGLE SOLUTION FOR ALL NETWORK TYPES
VIEW, DETECT & REPAIR FAULTS IN REAL TIME, WHILE REDUCING YOUR TIME TO RESPONSE

Reaching a better Quality of Service in an increasingly demanding environment is the crucial challenge faced by our clients. With more and more complex networks and services, having a real time, complete and accurate picture of the network is indispensable to remain competitive.

The Netrac Fault Management Solution enables you to **visualize the malfunctions of the network in real-time, while reducing the period needed to respond to alerts, and reestablish a normal network behavior**.

Thanks to its advanced correlated alarms capabilities, its breakthrough root cause analysis system, and automation rules, the Fault Management Solution relieves NOC users from performing repetitive and time-consuming tasks, ultimately allowing for prompt corrections of the alarms.

TEOCO's Fault Management Solution offers an efficient OSS solution that is vendor and technology independent, and can quickly be implemented in any organizational network.

Automated Solution

Enhancing Quality of Service

Scalable Mediation

Fully Extensible Single Platform

Thorough Tool: from Alert Management to Ticketing

Streamline Problem Resolutions

Business Advantages

OPEX Reduction

Mean Time to Response (MTTR) is significantly lowered, as analyses and repair are performed automatically

NOC users' time is optimized allowing them to focus on critical alerts

Operations management is simplified as all alert related information is presented over a single platform

CAPEX Reduction

Investments are preserved during upgrades, thanks to the Libraries layer, and the Zero install web and .NET clients.

With the ability to have an accurate picture of the hardware's health, hardware investments are made more appropriately, and thus reduced.

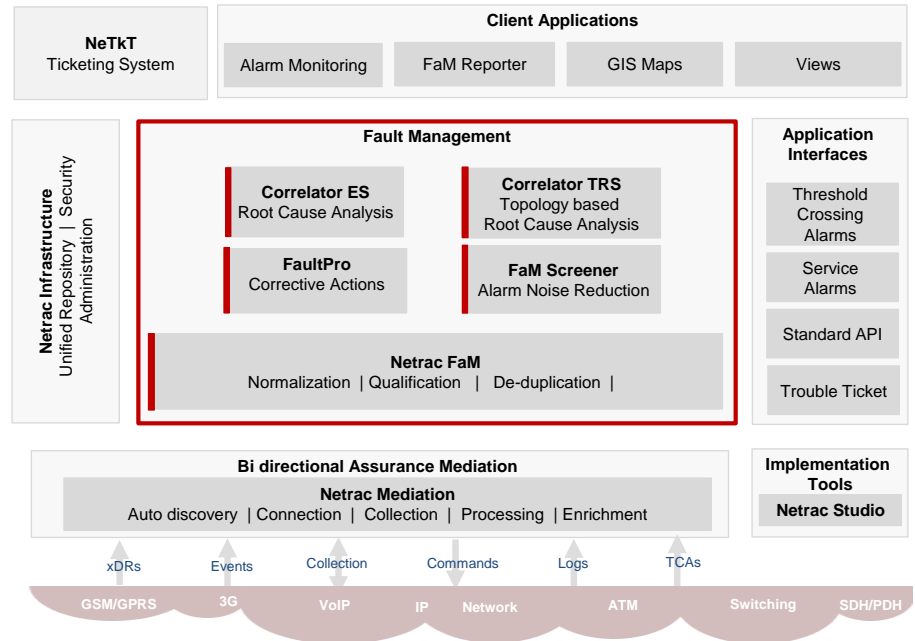The integration of new equipment and systems is performed promptly

Network expansion is fully supported using system scalable abilities

Better customer satisfaction and reduced churn

The business impact of faults can be mitigated or even prevented

The Mean Time Between Failures (MTBF), and the overall service availability is improved thanks to the automation of fault handling

Proven cost effectiveness and solid ROI

Netrac Fault Solution Architecture

THE SOLUTION COUPLES EXTENSIBILITY & SCALABILITY WITH A WEALTH OF FUNCTIONALITY BUILT ON A FLEXIBLE ARCHITECTURE

With its highly responsive and intuitive feature-rich Graphical User Interface (GUI), the Fault Management Solution **streamlines the quick problem resolution process by providing a consolidated, highly filtered, and prioritized view of the network faults**.

Thanks to its bidirectional mediation enabling the collection and processing of large amounts of data in real time, the FaM Solution is robust and highly scalable. TEOCO's Netrac suite is one converged system that caters to multi-technology, multivendor, and Next Generation Networks (NGN) and legacy networks.

The functionalities proposed by the Fault Management Solution include:
- A powerful rich client with personalization abilities for filtered views of the alarms
- Correlator ES and TRS: Root Cause and Topology based analyses for faster detection
- FaM Screener: Noise reduction by analyses of alarm history behavior
- Fault Pro: Automatic corrective actions engine sending commands to the NEs
- GIS Maps and Schematic View for effective and precise visualization of alarms
- A Fault Management Reporter for customized reports
- All in one single platform, easy to deploy and access from any location