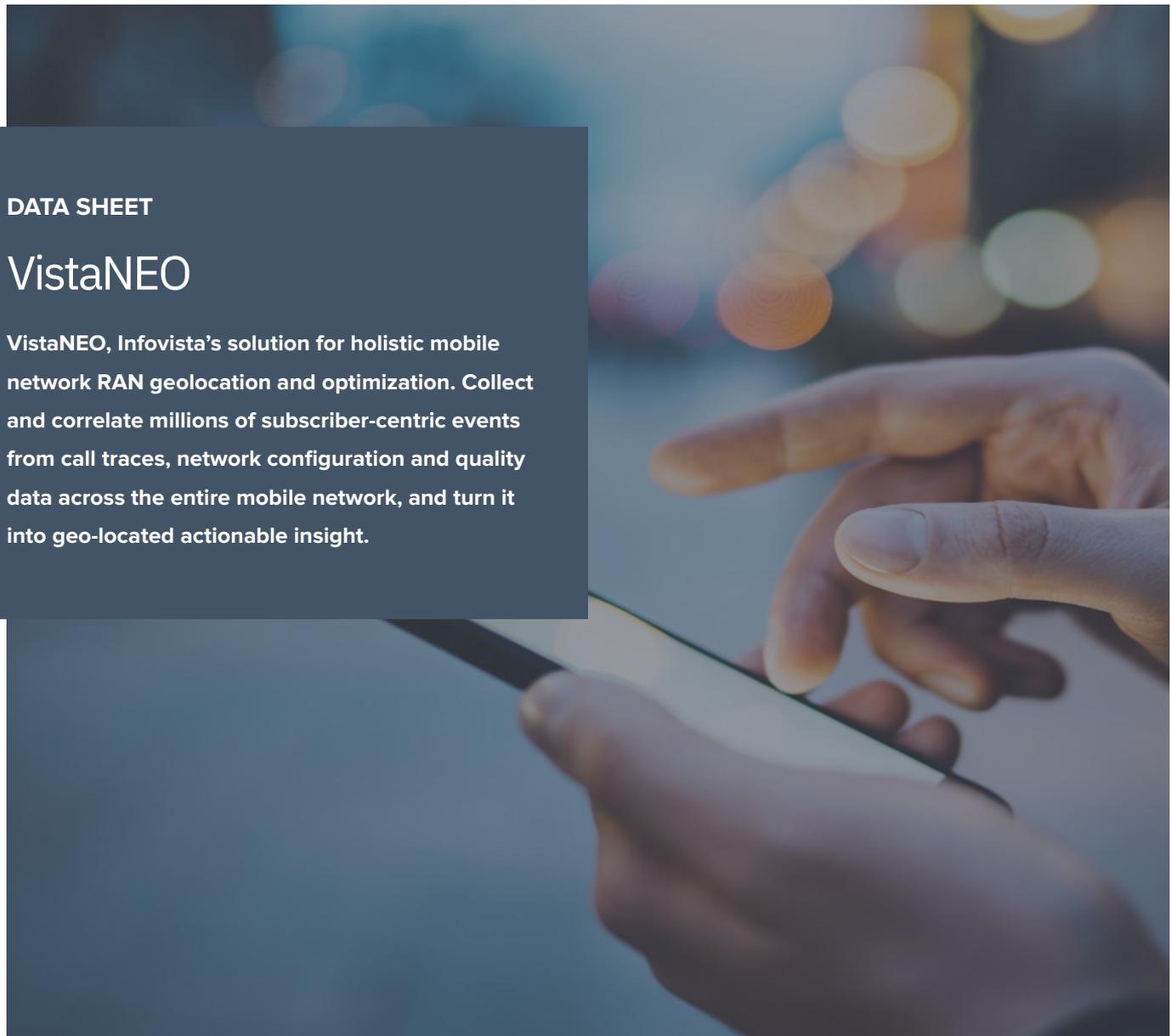


DATA SHEET

VistaNEO

VistaNEO, Infovista's solution for holistic mobile network RAN geolocation and optimization. Collect and correlate millions of subscriber-centric events from call traces, network configuration and quality data across the entire mobile network, and turn it into geo-located actionable insight.

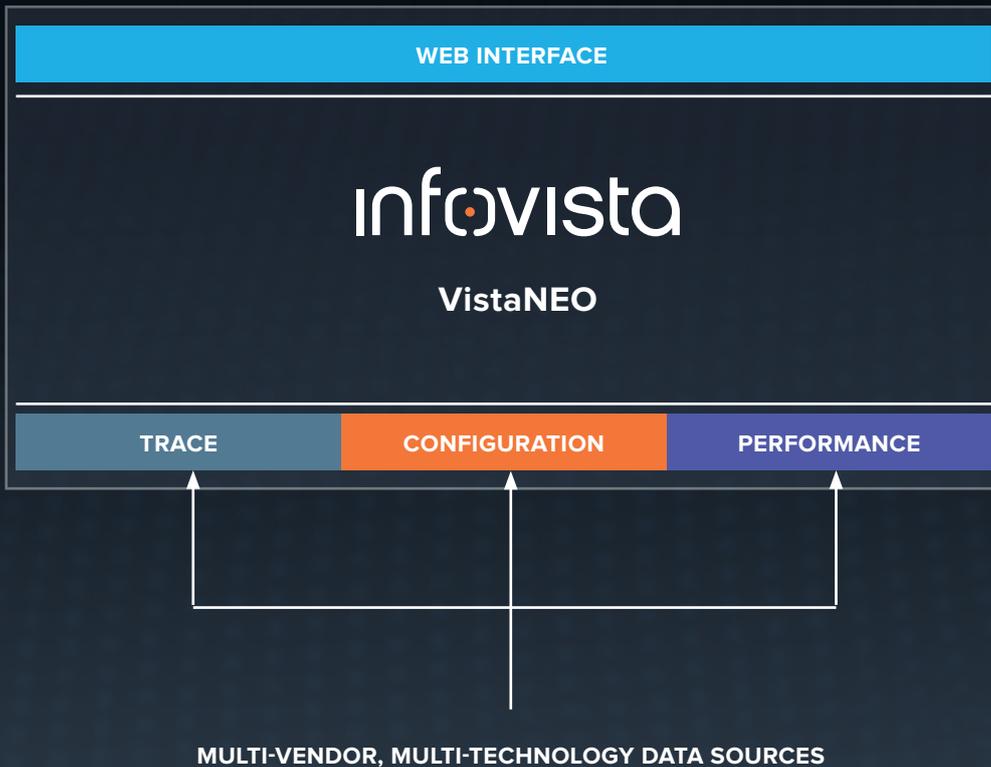


Reduce Subscriber Churn Through Network Experience Optimization (NEO)

Mobile network operators (MNOs) are in a constant battle to meet subscribers' network quality expectations, amidst ongoing changes in network utilization patterns and rapidly increasing capacity demands.

With mobile networks spanning multiple radio generations, frequency bands and vendors, it is becoming increasingly imperative for MNOs to continuously optimize their networks, regardless of size and complexity, in order to ensure a high quality of experience (QoE) for subscribers, while keeping OPEX and CAPEX in check.

In an environment where customer retention is key, knowledge of subscribers' experience and behavior over time and space is mandatory.



COMBINE SUBSCRIBER AND NETWORK INTELLIGENCE FOR ADVANCED TROUBLESHOOTING AND OPTIMIZATION

In an environment where customer retention is key, knowledge of subscribers' experience and behavior over time and space is mandatory. Having a holistic insights into subscriber location and network information for an entire network, 24/7 and across multiple technologies and vendors makes it possible to deliver an optimal network experience.

VistaNEO, Infovista's solution for holistic mobile network RAN geolocation and optimization allows you to collect and correlate millions of subscriber-centric events from call traces, network configuration and quality data across the entire mobile network, and turn it into geo-located actionable insight about the QoE of all subscribers.

Powerful and scalable, VistaNEO allows RAN engineers to drill down and carry out in-depth analysis and troubleshooting of actual, geo-located subscriber call records to better understand how the network impacts the subscriber experience and to solve network problems before they truly affect subscribers.

VISTANEO BENEFITS

SMARTER NETWORK OPTIMIZATION

Accelerate network quality enhancements by making all of the required types of mobile network and service performance data, including rich and accurate subscriber intelligence and important network configuration settings, available from a single solution.

This provides an accurate view of the network’s current status, subscribers’ location and their related issues, and with advance built-in optimization analytics, such as neighbor relations, interference troubleshooting and overshooting cells, increases optimization efficiency by quickly and seamlessly performing root-cause analyses for identified problems.

FOCUS ON SUBSCRIBER SATISFACTION

Protect revenue streams by maintaining enterprise customers’ and VIP subscribers’ QoE with advanced network optimization capabilities that combine subscriber intelligence, network intelligence and service assurance practices.

Taking a subscriber-centric approach to network optimization, VistaNEO ensures consistent network performance and optimal QoE for the customers that mobile operators serve reducing not only subscriber churn, but also both capital (CAPEX) and operating expenditures (OPEX).

LOCATION INTELLIGENCE

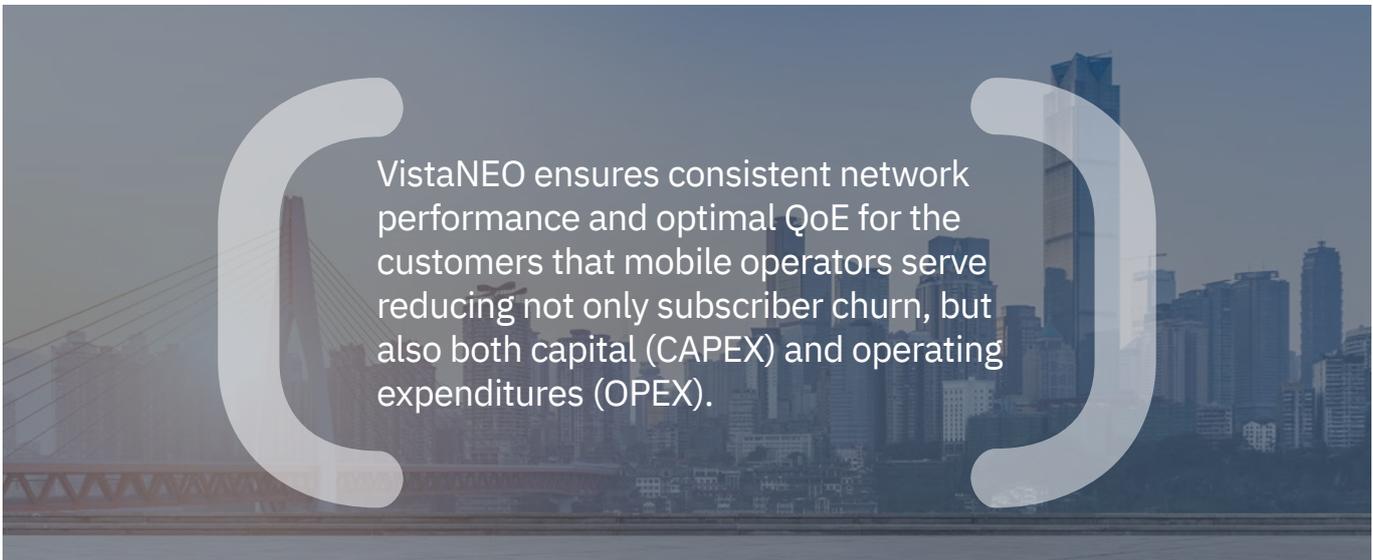
Advanced visual troubleshooting through accurate, subscriber geo-analytics provides subscriber-focused insights.

Accurate geolocation is achieved through “RF fingerprinting”, where call trace signal strength measurements are correlated with propagation models calculations. Its different dashboards, from those with a high-level view of the network to those with detailed, subscriber-specific KPI trends, allow RAN engineers to gain holistic insight into network performance quality and subscriber experience throughout the network across various vendor areas.

SCALABILITY AND FLEXIBILITY

Built upon Infovista’s proven and powerful platform technology, VistaNEO scales according to MNOs’ growth.

Data processing agents are horizontally scalable and flexibly support multiple vendors and technologies. With a centralized repository of network and subscriber intelligence, analytics and trends can be stored over a period of time for a complete network performance view. Connectivity with Infovista’s other solution allows for cross-team work flow for all teams and stakeholders across the organization.



RAN engineers can look toward complementing drive testing activities based on simulated calls made at the ground level, with an approach that uses geo-located, call trace data.

KEY FEATURES

Location Intelligence

- Virtual Driver Test
- Network & Subscriber Bin Plots
- Subscriber & Phone Group Plots
- Call Coverage Plots
- Event Positioning

Network Optimization

- Missing Neighbour Analysis
- Overshooting Analysis
- Pollution Analysis
- RF Coverage Analysis
- ACP Optimization*

Subscriber Insights

- Top 'N' Group Subscribers
- Top 'N' Group
- Top 'N' Group Cells
- Subscriber Group Trending
- Subscriber Cells
- Subscriber Trending

Network Insights

- GSM/ WCDMA/ LTE Network Analysis
- GSM/ WCDMA/ LTE Cluster or Cell Analysis
- Top 'N' Cells
- Network/ Cell Trending

RAN Configuration Audit

- Network Parameter Report
- Parameter Consistency Check
- Design Check
- Parameter Change History

Phone Model Insight

- Phone Model KPI Analysis
- Top 'N' Phones
- Phone Model Trend Analysis

* Requires Planet 6.0 & above to interface with VistaNEO

Rapid drill-down analysis and the right diagnostics with geo-located information, from the highest level to detailed troubleshooting, helps reduce OPEX by decreasing the time required for engineers to identify problematic areas and issues in the network.

USE CASES

SUBSCRIBER ANALYTICS

By correlating and aggregating millions of subscriber-centric data 24/7 across the entire network, provides high granularity and a clearer understanding of the mobile subscriber experience, allowing for mitigating subscriber quality degradation before subscribers complain.

RAN CONFIGURATION AUDIT

Manage and maintain consistent network configuration parameters across different vendors and technologies. Automatic checks for inconsistencies and corrective actions prevents degradation of QoS caused by errors in mobile network configuration settings from daily operational and periodic network expansion activities.

NETWORK TROUBLESHOOTING AND OPTIMIZATION

Rapid drill-down analysis and the right diagnostics with geo-located information, from the highest level to detailed troubleshooting, helps reduce OPEX by decreasing the time required for engineers to identify problematic areas and issues in the network.

DRIVE TEST MINIMIZATION

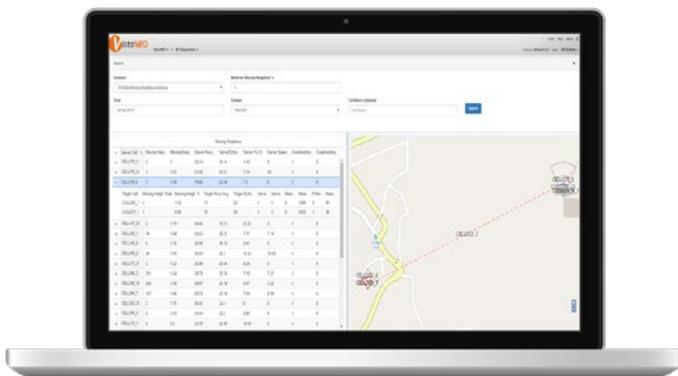
RAN engineers can look toward complementing drive testing activities based on simulated calls made at the ground level, with an approach that uses geo-located, call trace data. Beyond identifying problem areas geographically, RAN engineers now have a better way to identify key problems in the network by taking a statistical approach based on all calls in the network.

NETWORK PLANNING AND EXPANSION

Fuel other critical part of network lifecycle by leveraging VistaNEO’s powerful subscriber and network insight to deliver precise network wide optimization and improvements. With automatic synchronization with Planet, Infovista’s advance network planning solution, planning engineers can combine real-world measurements with advanced predictions for accurate mobile network planning and expansion.

SUBSCRIBER INSIGHT

VistaNEO includes a quick view of individual or group subscriber experience trends, among numerous other customer-focused insights. Its different dashboards, from a high-level view of the network to detailed, individual or group subscriber-specific KPI trends, allow RAN engineers to gain holistic insight into network performance quality and subscriber experience throughout the network across various vendor areas.



NETWORK INSIGHT

Understand, analyze and optimize network performance across all of the different technologies and vendors, and quickly resolve problematic areas with in-depth statistical KPIs. Smooth, drill-down analysis from high-level dashboards to detailed reports reduces optimization and troubleshooting time by providing the right diagnostics, which allows targeted troubleshooting in order to improve overall network QoS.

PHONE MODEL INSIGHT

Taking in 24/7 customer phone experience data, VistaNEO allows users to understand and utilize the insight of the impact of different mobile devices performance on subscriber’s experience. Users can view relevant information within the Phone Model performance and trend report, as well as the functionality to further breakdown the exact Phone Model that is causing poor KPI performance.





LOCATION INTELLIGENCE

Powerful geolocation and visualization capabilities using RF fingerprinting geo-location algorithm implementation allow mobile operators to understand high traffic locations and optimize problem areas based on highly-accurate subscriber and event location information. Users can create coverage plots, display abnormal event locations and isolate RAN-related problems, reducing drive testing dependencies.

NETWORK OPTIMIZATION

RAN engineers no longer need to go through tedious and labor-intensive analysis processes in order to detect the cause of poor cell performance or low user QoS. With automated event diagnostics and integrated optimization best practices, the root causes of abnormal events, such as missing neighbors or quality issues, are immediately identified and can be addressed.



RAN CONFIGURATION AUDIT

Seamlessly handles multi-vendor and multi-technology situations and improve optimization practices by managing and maintaining consistent network parameters settings. Automatically identify and resolve network configuration inconsistencies and errors early, and take corrective actions to prevent QoS degradation caused by errors in mobile network parameters settings from daily operational and periodic network expansion activities.



About Infovista

Infovista, the leader in modern network performance, provides complete visibility and unprecedented control to deliver brilliant experiences and maximum value with your network and applications. At the core of our approach are data and analytics, to give you real-time insights and make critical business decisions. Infovista offers a comprehensive line of solutions from radio network to enterprise to device throughout the lifecycle of your network. No other provider has this completeness of vision. Network operators worldwide depend on Infovista to deliver on the potential of their networks and applications to exceed user expectations every day. Know your network with Infovista.