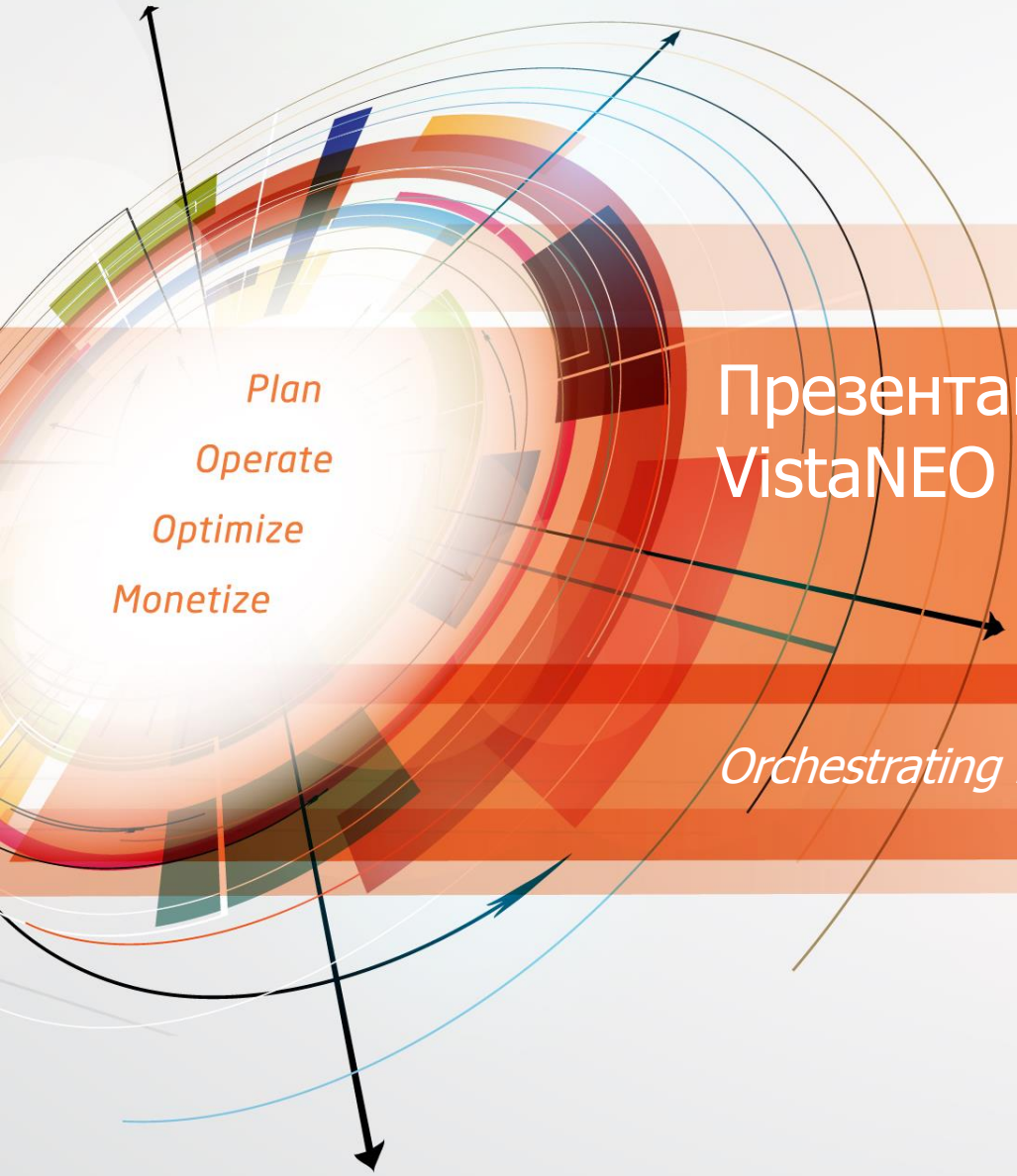


InfoVista®
Orchestrating network performance

Презентация решения VistaNEO

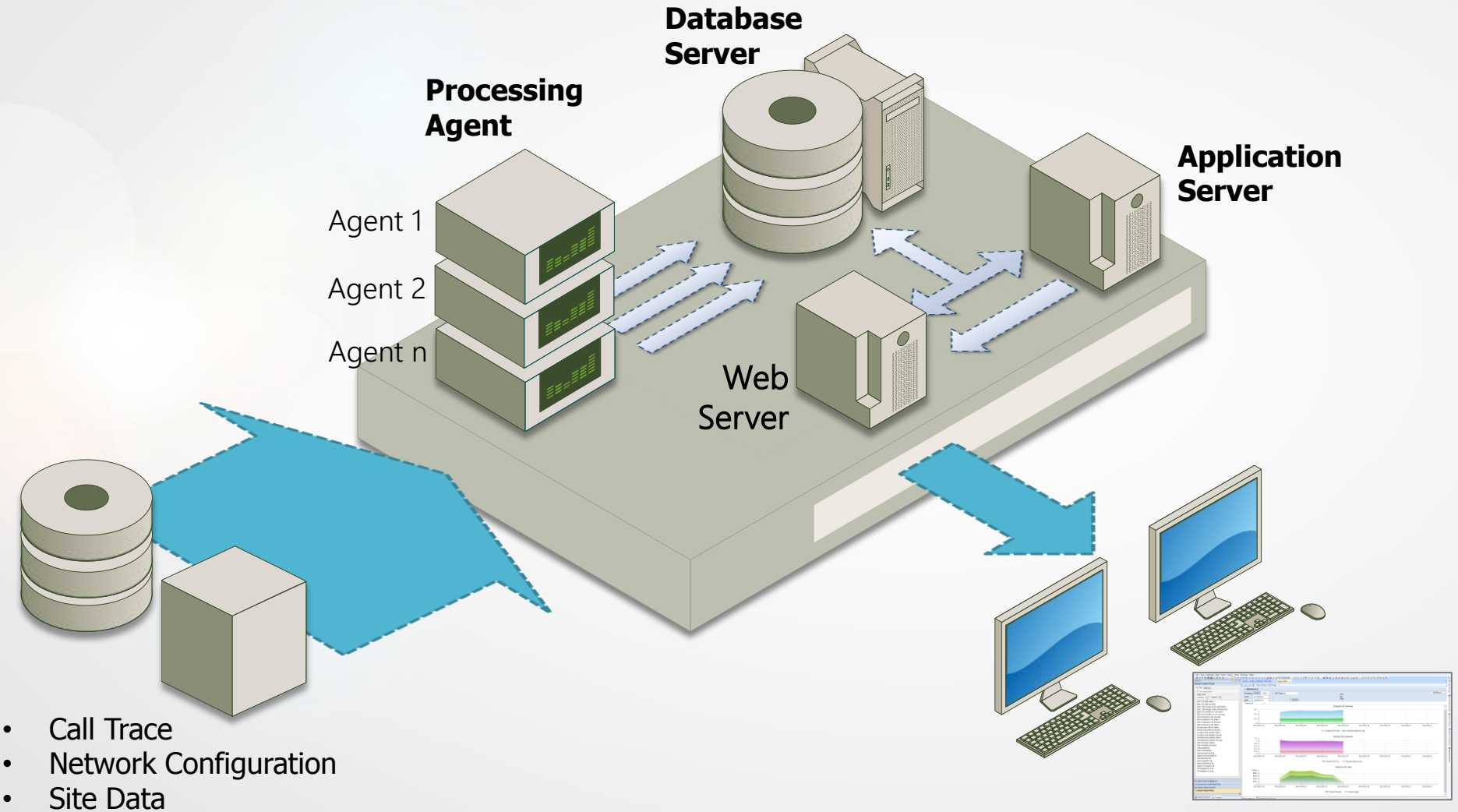
Orchestrating Network Performance

What is VistaNEO?

VistaNEO is a

What?	**root cause** analytics mobile **network optimization platform**,
Who?	for teams managing network quality and/or high value subscribers
Why?	to combat churn by pro-actively managing **network** quality and **subscriber quality**
How?	by utilizing 24/7 **geo-located** call trace data

VistaNEO Architecture



- Call Trace
- Network Configuration
- Site Data

VistaNEO Benefits

Analytics

- Advanced diagnostics of call faults, network KPIs & network analysis via Smart Client

Geo-Location

- Accurate positioning for Calls, Long and Short Data Sessions & RF Coverage Plots

Scalability

- On-demand server & database upgrade to meet the required network size

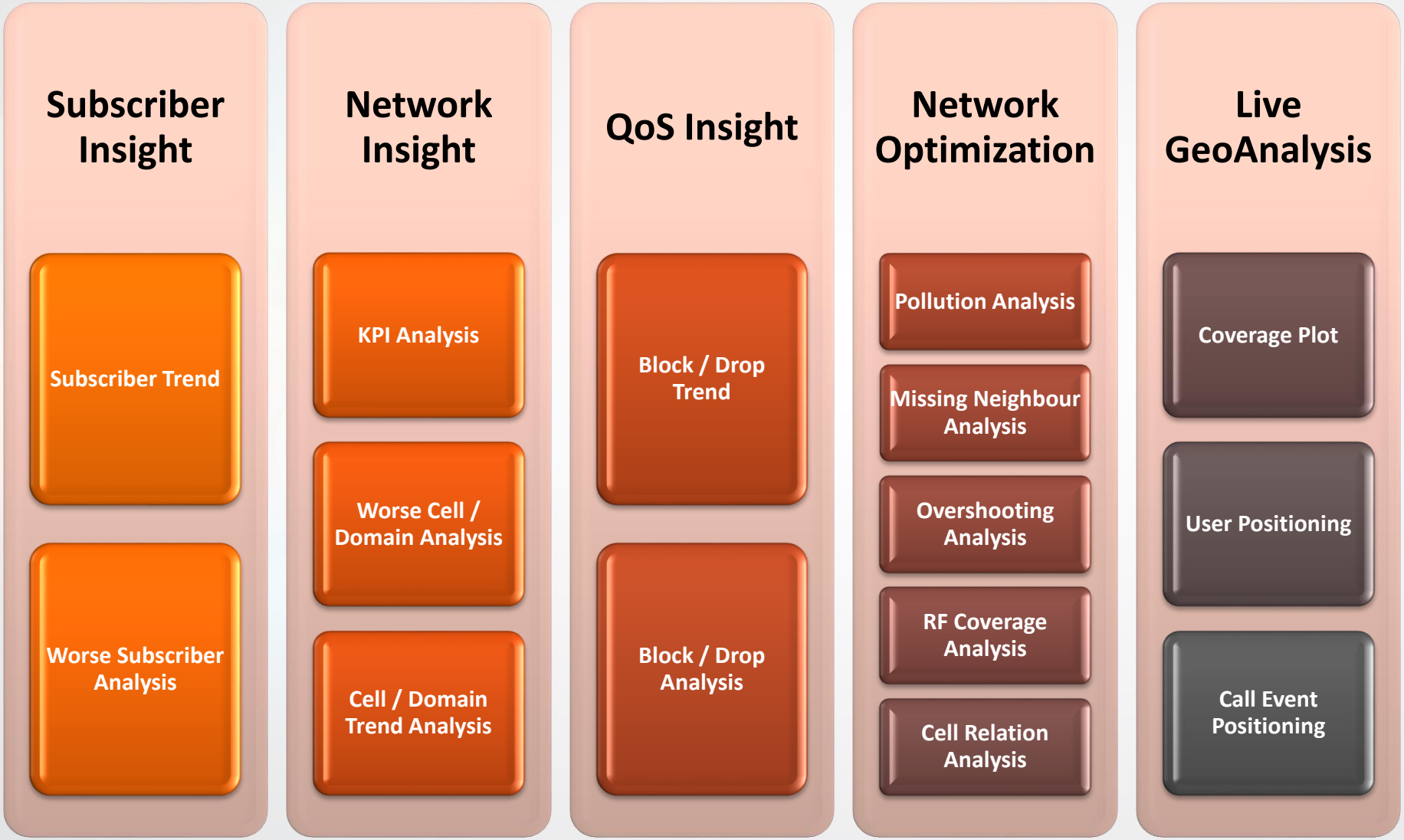
Performance

- Powerful parallel processing on multi-core machines for maximum unparalleled performance

Automation

- Automatic imports, correlate, diagnoses and reports issues from the whole network

VistaNEO Features



Use Cases

What is VistaNEO for?

Use Case 1 - Pro-Active Subscriber Management

Persona

- Quality Team
- Optimization Team
- VIP Care

Relevance

75%

50%

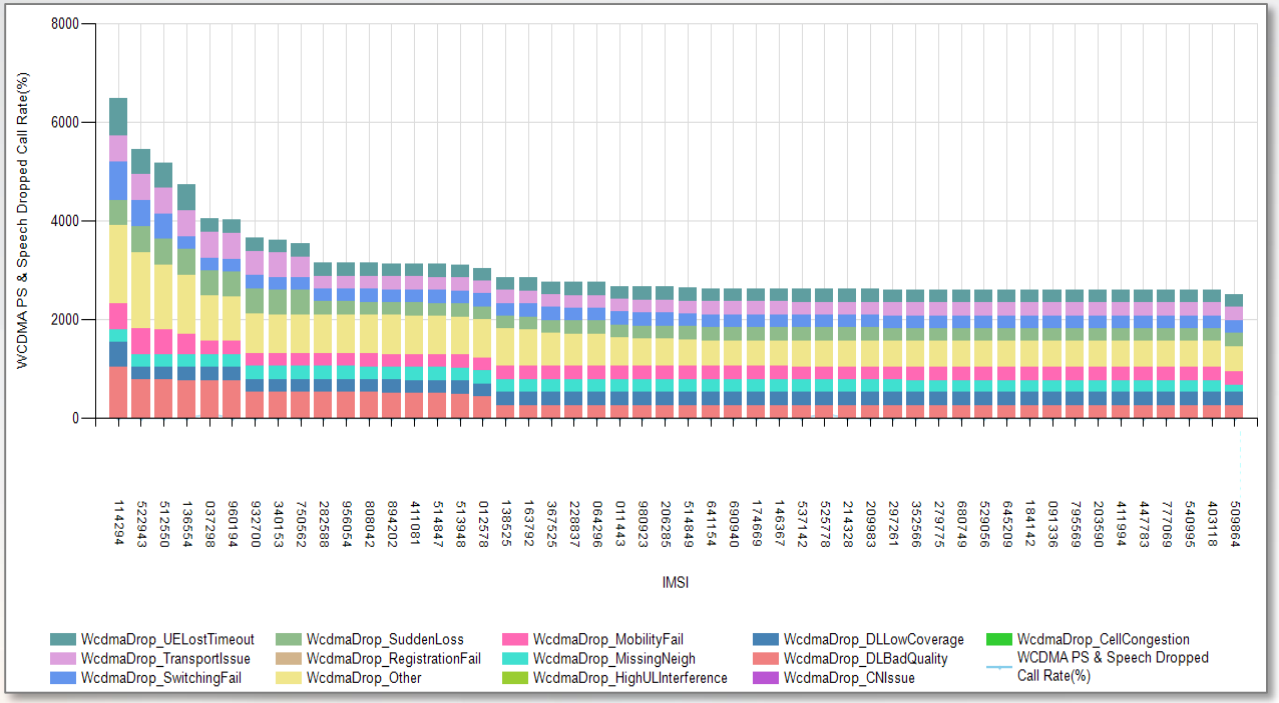
100%

Challenges

- Insufficient data to fully comprehend the subscriber experience in a 24x7 live network environment
- The need to correlate large amount of call trace data to troubleshoot specific key subscribers

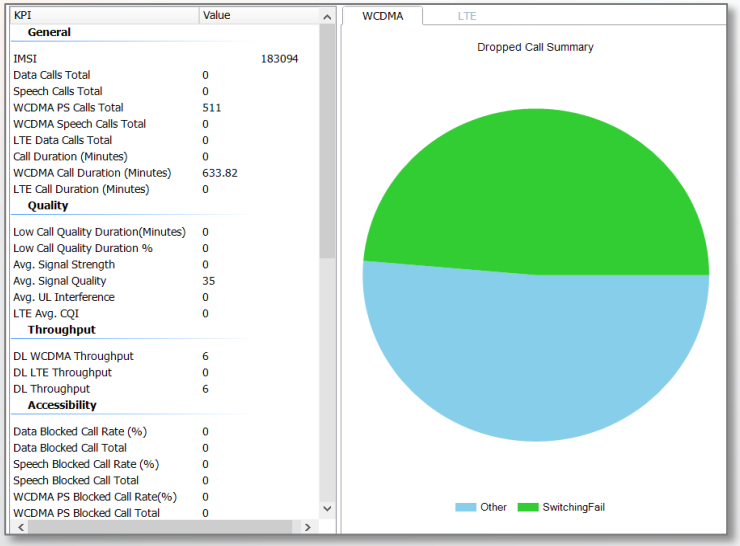
VistaNEO Benefits

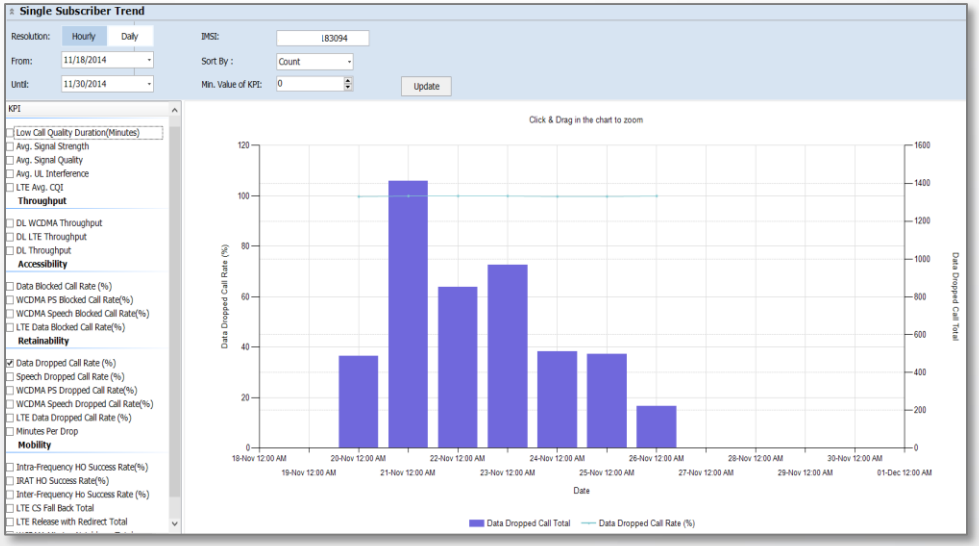
- 24x7 Call Trace Aggregation which provides high granularity and clearer understanding of subscriber experience
- Easy and flexible to search for key subscribers and provide quick diagnostics and analysis experience by the subscriber
- Specific Subscriber-centric KPIs which provides informative insight



Subscriber Insight

- Subscriber Trending
- Worse Subscriber in the Network





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Use Case 2 – Addressing Problematic Areas

Persona

- Quality Team
- Optimization Team
- VIP Care

Relevance

75%

100%

25%

Challenges

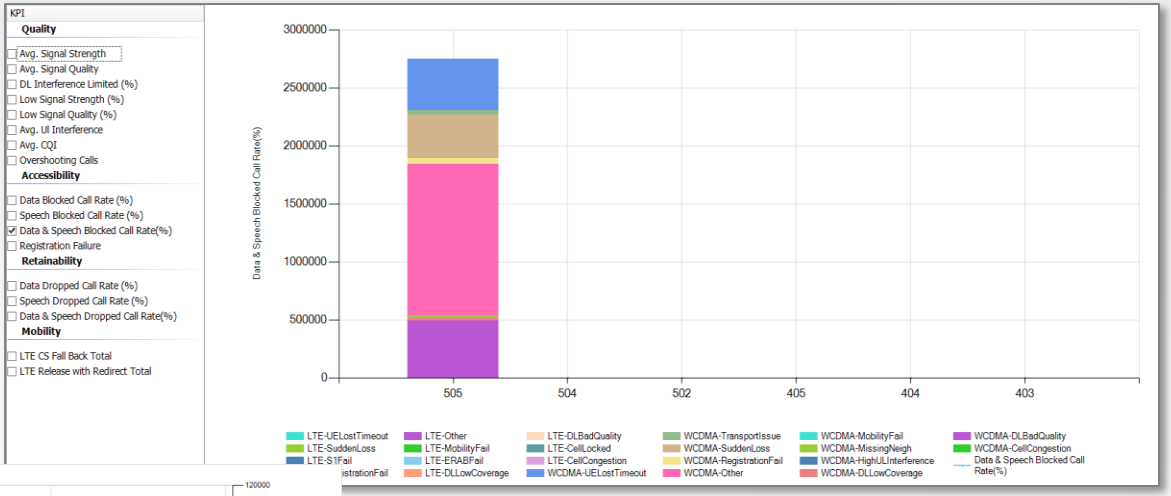
- More time spent on locating problem areas and understanding the actual network environment than actually solving the issue
- Rapidly evolving networks complicate the tasks of root cause analysis of problems

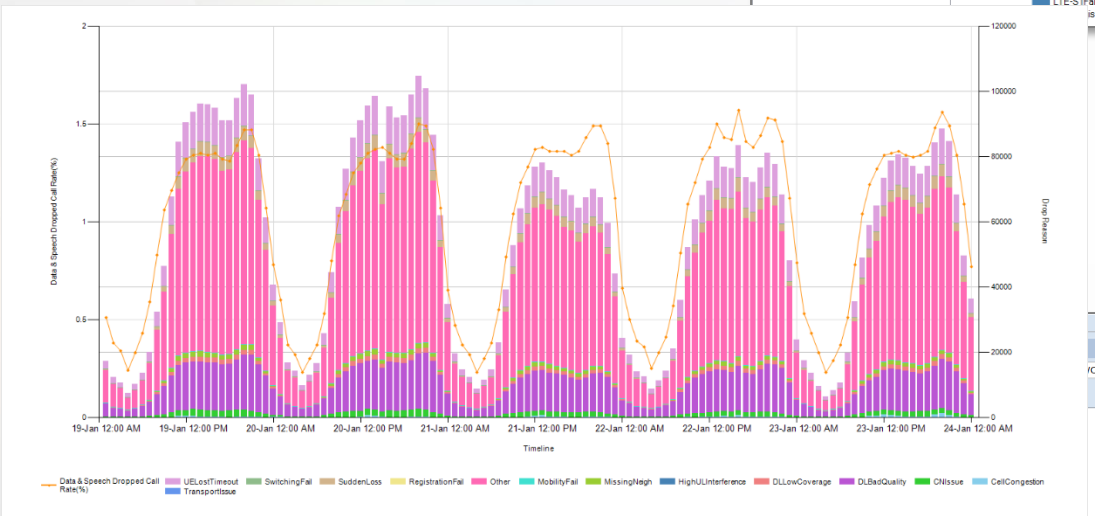
VistaNEO Benefits

- Provides smooth drill down analysis from high level to detail troubleshooting which helps to reduce OPEX with lesser amount of time by providing the right diagnostics
- Highlight abnormalities in the cells/domains which information can be use by various department for fault analysis
- Ability of geo-locating problematic areas and events in the network

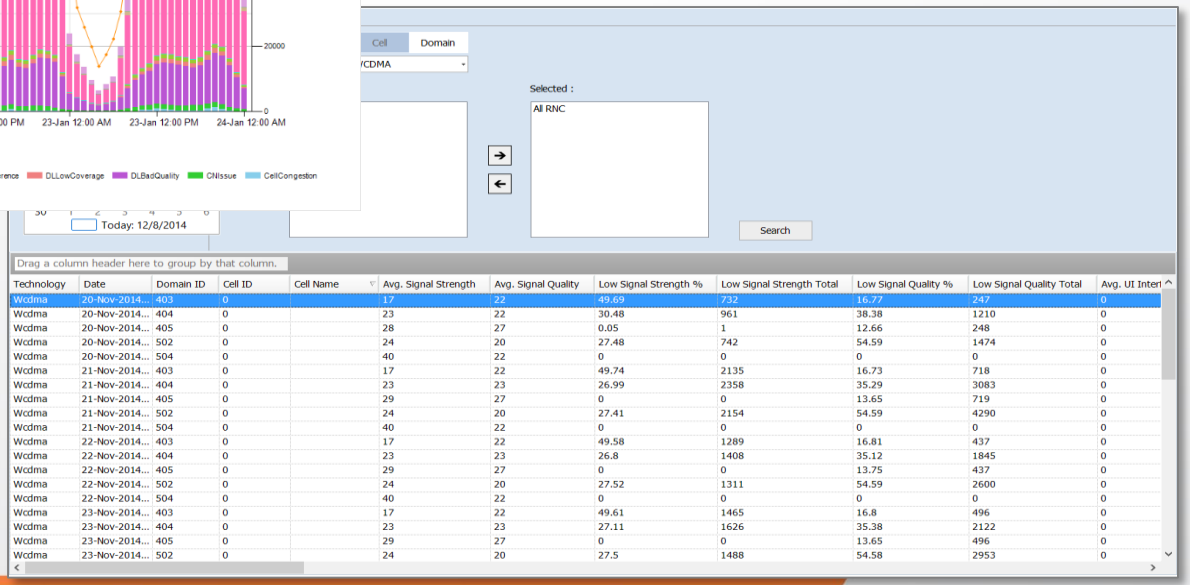
Network Insight

- Worse Cell/RNC Analysis

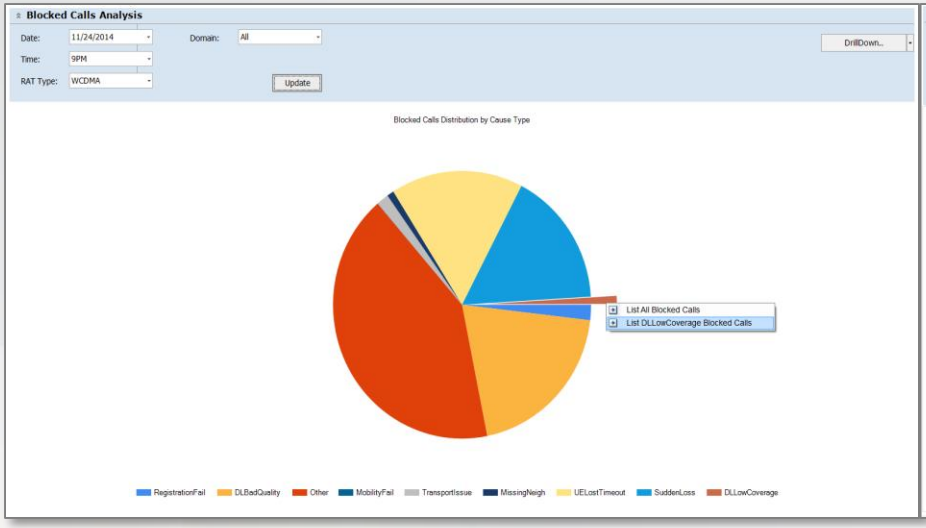


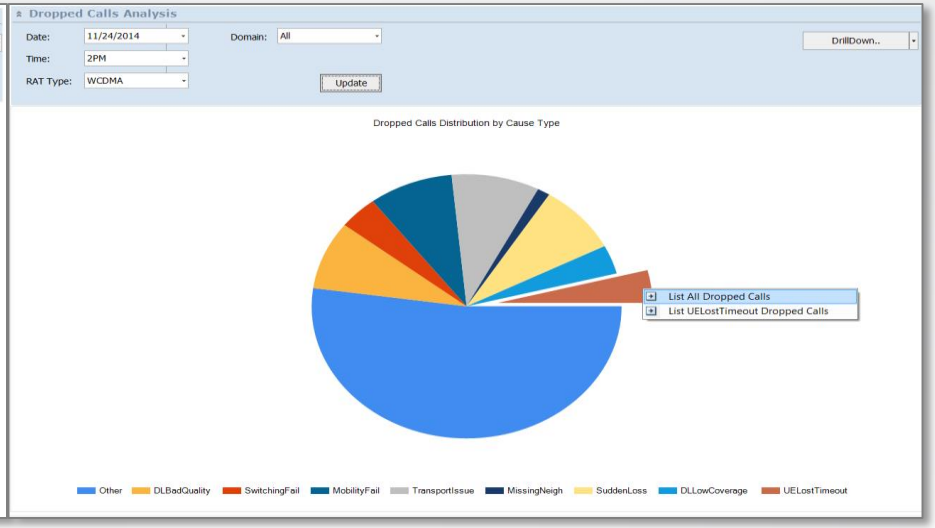


- Cell/RNC Trend Analysis



- Cell/RNC Detail KPI Analysis

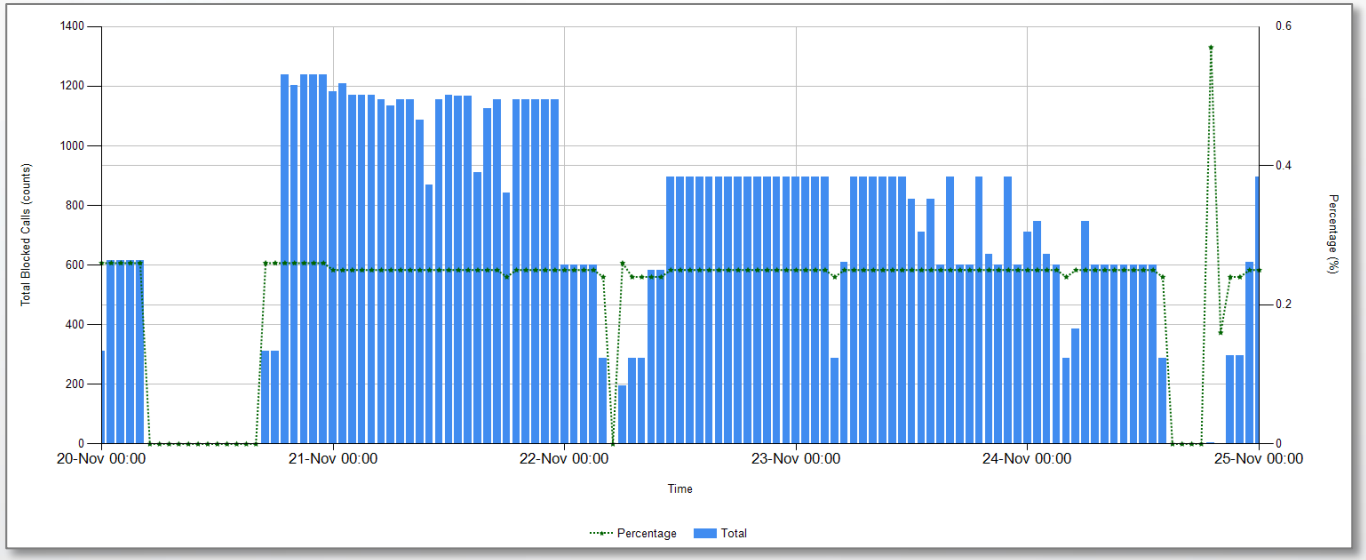


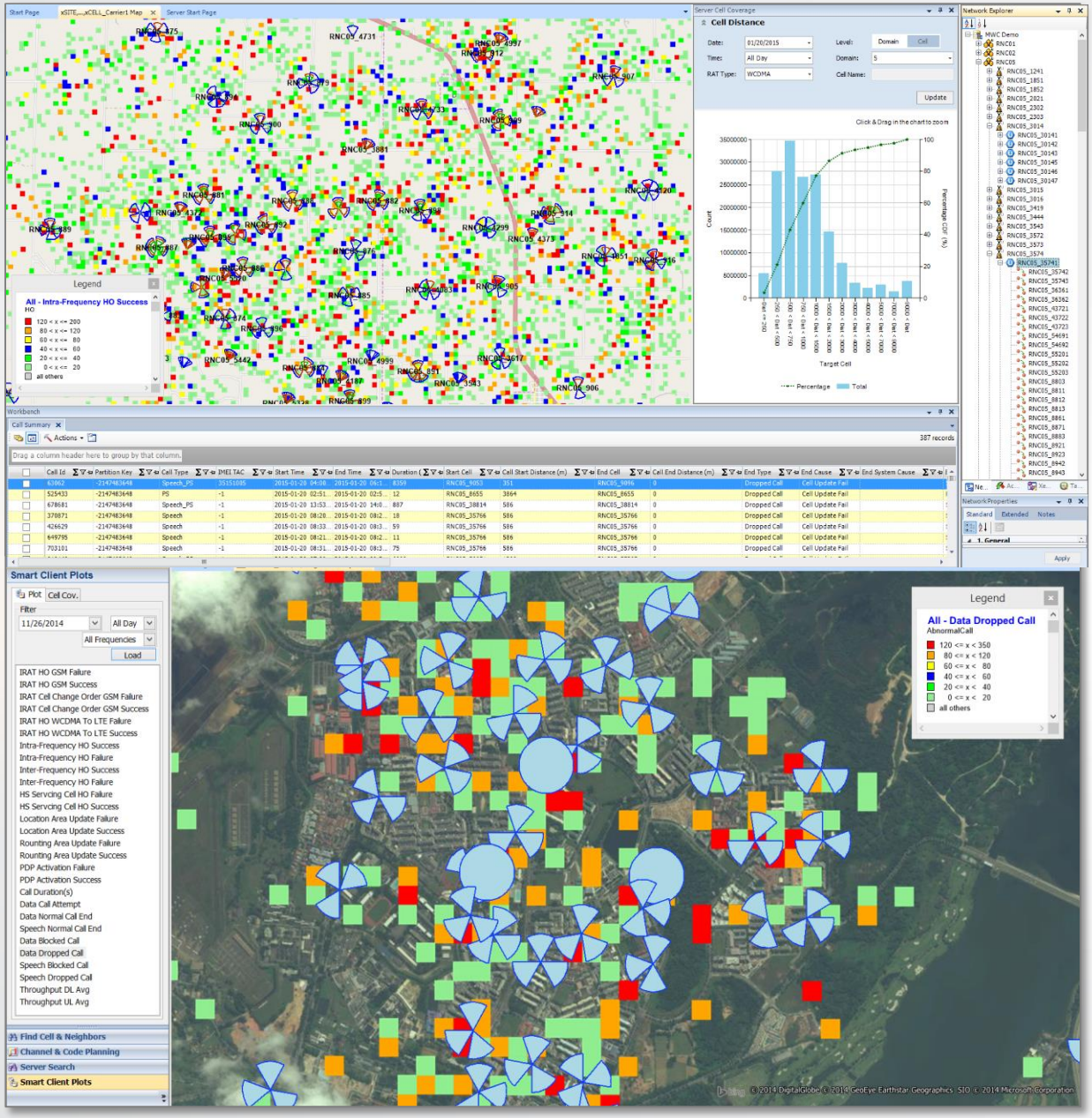


QoS Insight

- Block & Drop Call Detail Analysis

- Block & Drop Call Trend Analysis





Live GeoAnalysis

- Coverage Plot
- User Positioning
- Call Event Positioning

Use Case 3 – Interactive Optimization Capabilities

Persona

- Quality Team
- Optimization Team
- VIP Care

Relevance

50%

100%

25%

Challenges

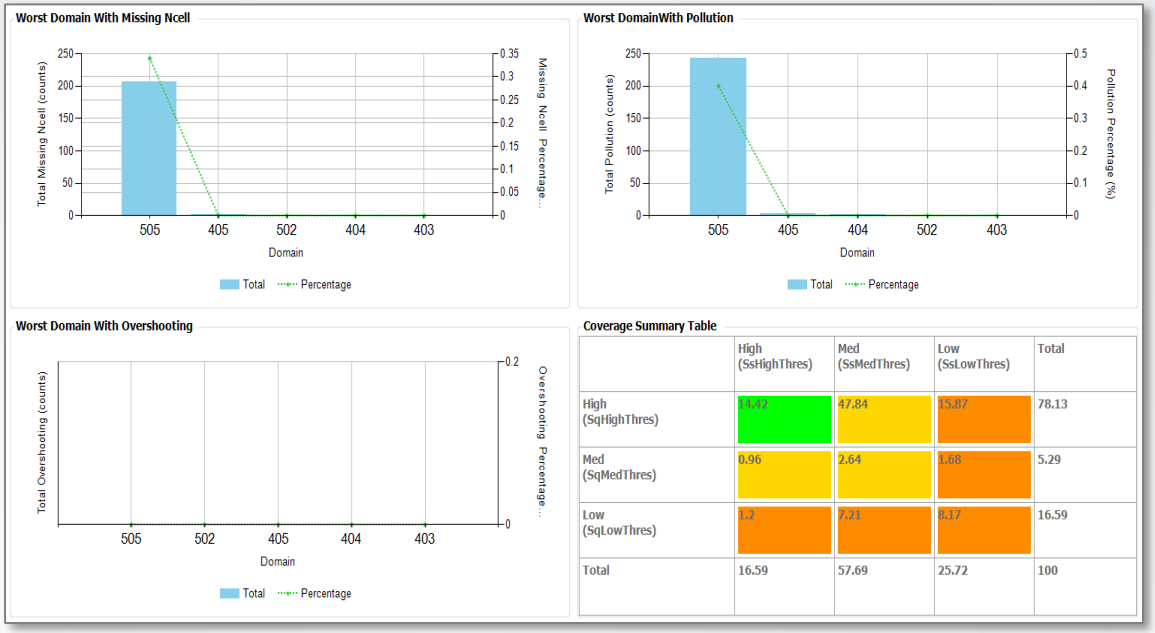
- Correlating large amount of call trace data to provide valuable insight and network optimization strategy to improve the network QoS
- The need to prioritize important optimization task

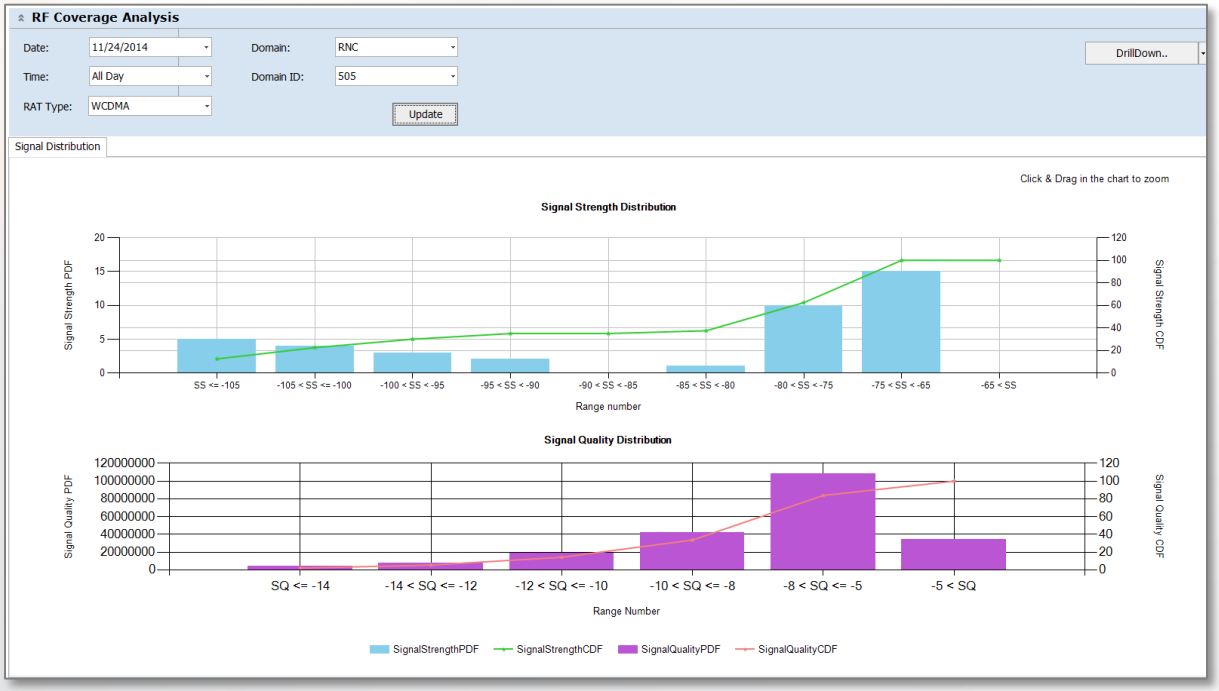
VistaNEO Benefits

- RF Optimization diagnostics which provides beneficial suggestion of solving network quality issues (e.g. *Pollution Analysis, Missing Neighbour Analysis, Overshooting Analysis and RF Coverage Analysis*)
- Integrated and interactive display of various optimization suggestion which can be view in a single dashboard

Network Optimization

- Pollution Analysis
- Missing Neighbour Analysis
- Overshooting Analysis
- RF Coverage Analysis
- Cell Relation Analysis





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Use Case 4 – Troubleshooting Subscriber & Network With Both Call Trace & Network Performance (R2.0)

Persona

- Quality Team
- Optimization Team
- VIP Care

Relevance

100%

100%

75%

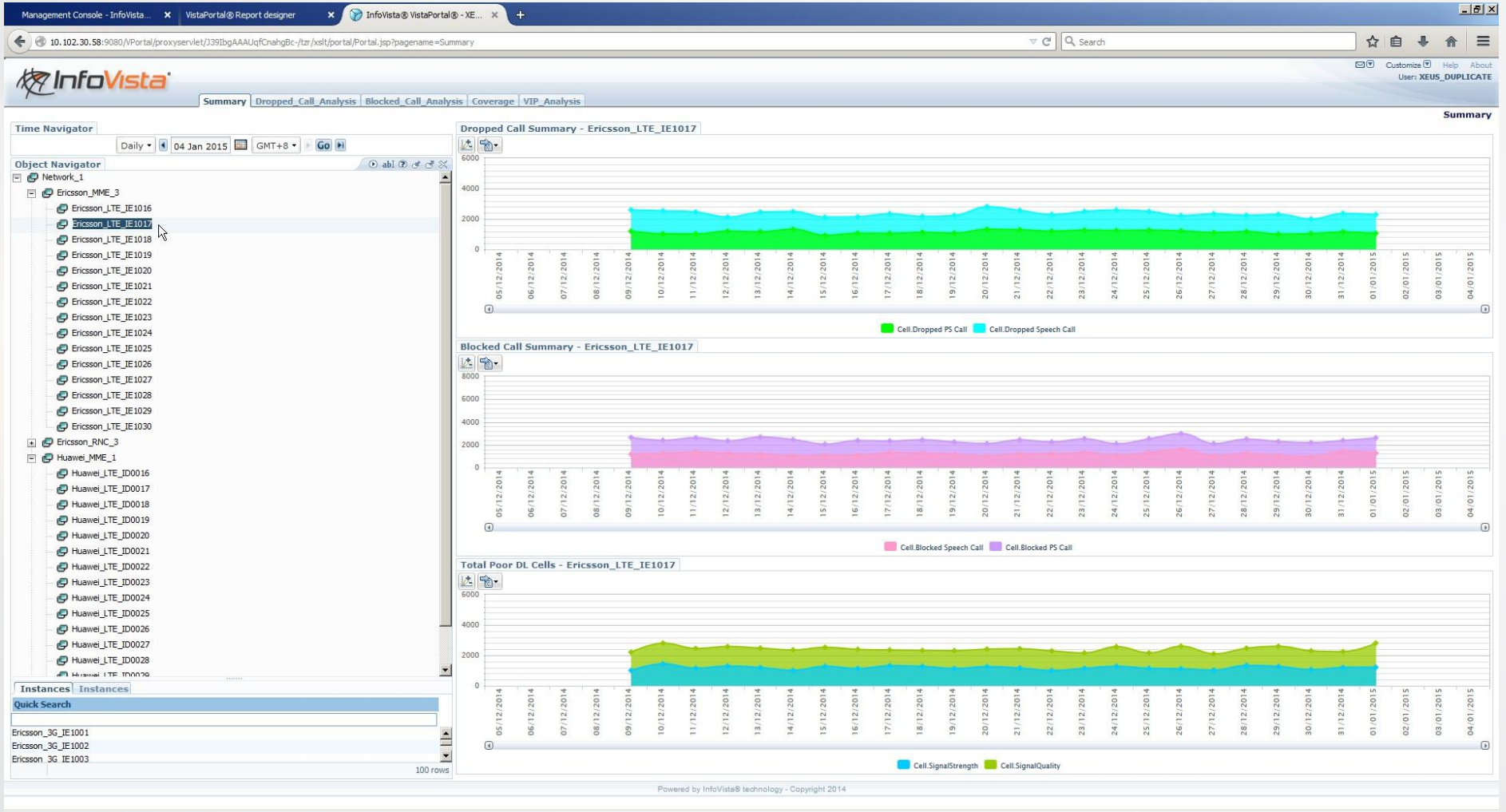
Challenges

- Troubleshooting subscriber and network issues often require consulting many systems with no connections to each other. Hence cumbersome.

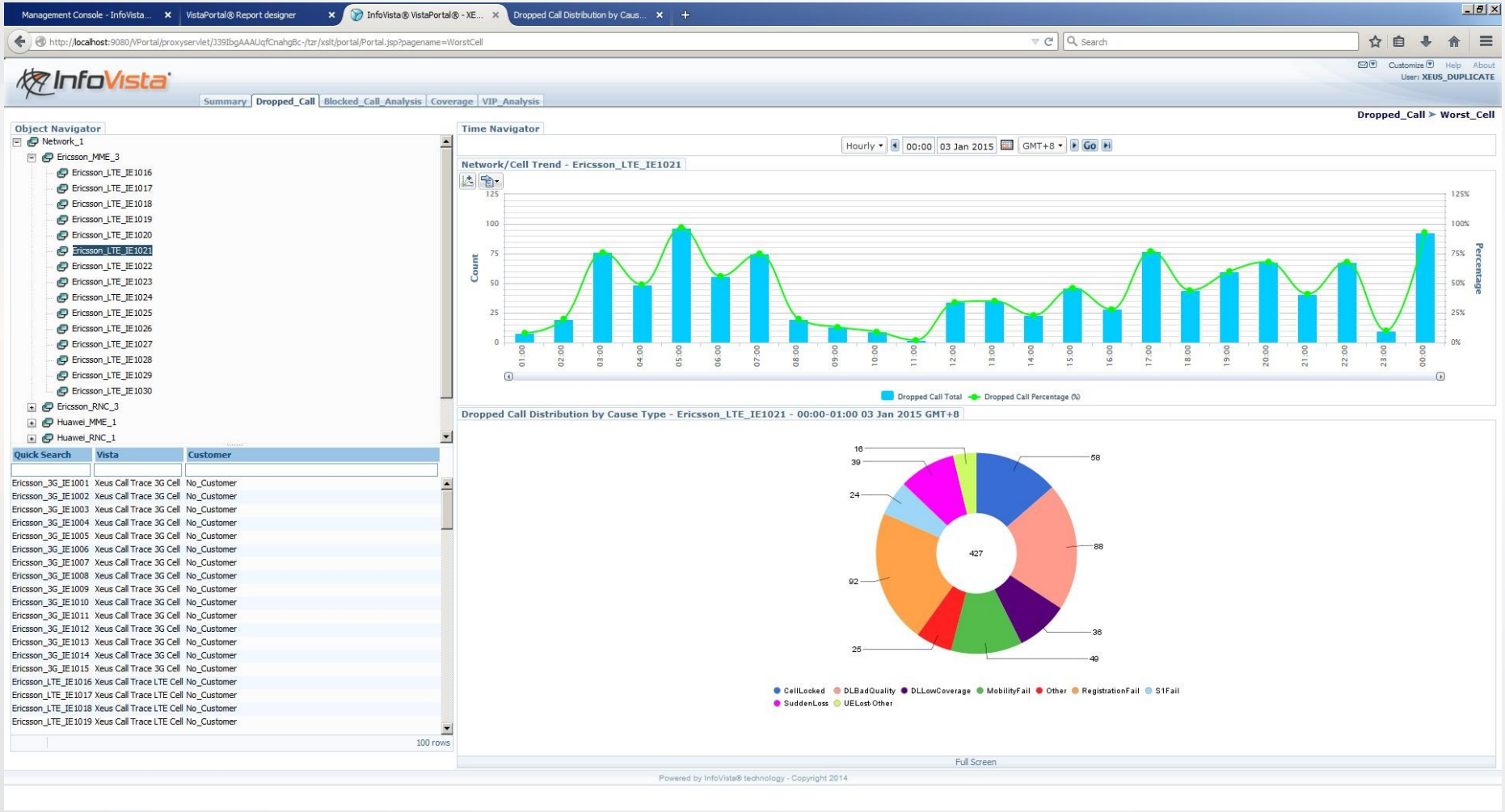
VistaNEO Benefits

- Providing a capability to view Network Perforamce KPIs and Subscriber RF Call Trace in a single “connected” view (e.g. Web Based ←→ VistaNEO Client)
- Performance and Optimization personnel are able to use both performance data and Call Trace to troubleshoot VIP issues or cell/network issues more effectively

Web-Based KPI Reporting



Web-Based KPI Reporting



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