VIAVI Solutions

VIAVI
NITRO™ Mobile
Solution Portfolio

Solving Industry Challenges

The evolution of 5G, network automation, massive traffic increases, IoT and the drive towards new revenue opportunities while managing CapEx and OpEx… These are just some of the challenges mobile operators face today. Consumers demand services that are always on, always available with high quality and everything connected. In response, the industry is optimizing networks while deploying and managing ultra-dense, massively scalable 5G networks that can deliver intelligence, low latency, high bandwidth services – today and in the future.

5G brings exciting new opportunities for operators while at the same time creating complex challenges. We are moving from a cell-centric world to a beam-centric environment. One network must now manage disparate slices all with different characteristics. GEOlocation Intelligence accuracy moves to street level with 3D. Manual systems are evolving to automated processes.

5G is not an island – as operators build, deploy, manage, optimize and monetize 5G they must continue to support many current technologies.

NITRO Mobile

Building on the Multi-technology NITRO (Network Integrated Test Real-time analytics and Optimization) Mobile Platform together with years of experience in assuring, optimizing and monetizing mobile networks, NITRO Mobile leverages an Integrated Launch Pad seamlessly combining RAN and Core Analytics, providing a 360º view of the Customer Experience. A key element of the value NITRO Mobile delivers is GEOlocation Intelligence bringing granular accuracy together with a 3D view of the 5G Network & Services across entire cities and countries.

Revenue

Move from managing and assuring your network without visibility into customer experience to full analytics of mobile verticals driving new revenue streams

Service

Instead of relying on surveys, counters, focus groups for awareness get constant always-on visibility into customer trends and service quality

Costs

Evolve from manual, skill-intensive manpower to automated workflow simplification enabling broader visibility across your organization.
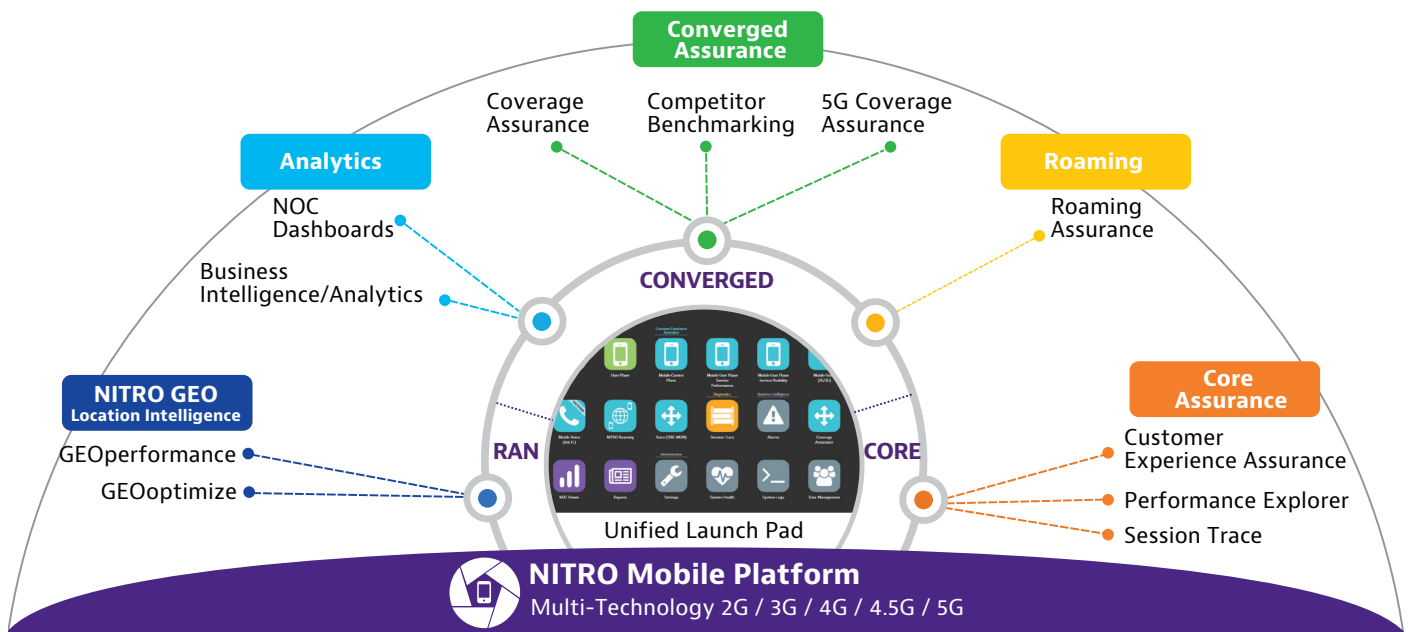
Features

- App-aware 3D GEOlocation Intelligence
- 3D Beam Visualization
- Dynamic Zoom from national, district to street
- Integrated RAN & Core
- Open Reporting & Analytics

Benefits

- Operational Efficiency from RAN & Core Insight
- Drive new Revenue Streams with complete visibility
- Manage QoE from Unique Insight
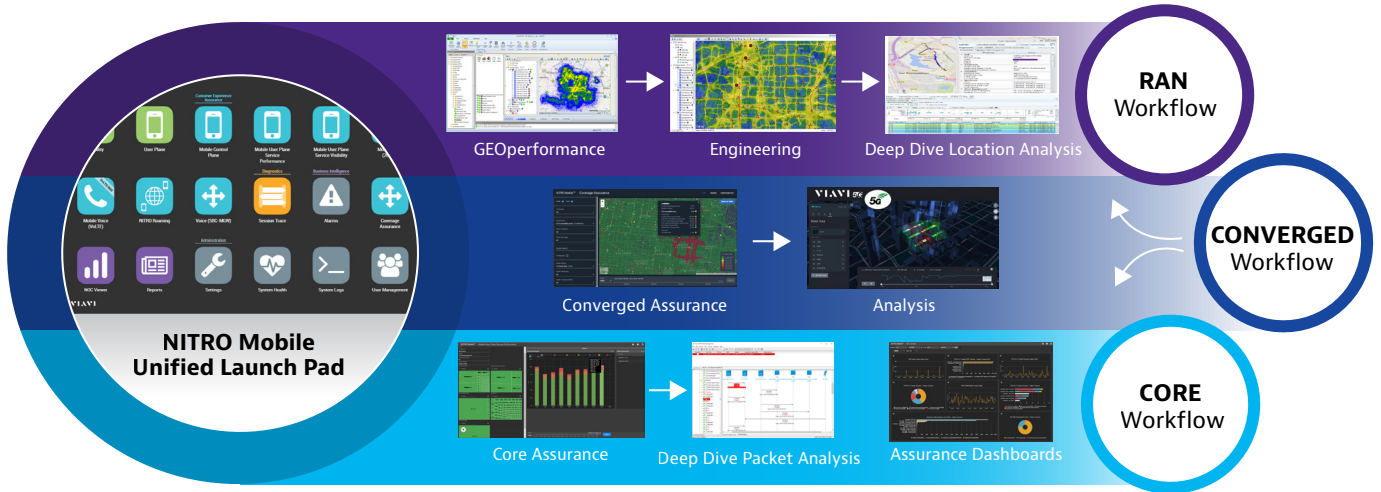- Analytics to Complete the 5G Business Case

How It Works

NITRO Mobile combines RAN, Core and Converged Applications into one integrated portfolio with connected tissue between the applications delivering context-driven workflows across the entire portfolio. Starting from a multi-technology unified launch pad, the NITRO Mobile applications work together, delivering unique insight into the network and services enabling multiple lines of business in your organization to benefit.

With NITRO Mobile you can not only manage and optimize your network and services, you can now realize the full potential of your 5G evolution, completing the business case for 5G

Integrated Workflows

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NITRO Mobile Unified Launch Pad

GEOperformance → Engineering → Deep Dive Location Analysis

RAN Workflow

Converged Assurance → Analysis

CONVERGED Workflow

Core Assurance → Deep Dive Packet Analysis → Assurance Dashboards

CORE Workflow

NITRO Mobile – Unified Assurance across 2G, 3G, 4G and 5G delivers converged applications to manage, optimize and monetize the network

Starting from the Unified launch Pad the user can quickly navigate from a national coverage view right down to a street level 3D beam view seamlessly across multiple technologies. All the applications in the Portfolio are connected and integrated to provide the right visibility at the right time, giving unprecedented insight to manage the network and grow your business.

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