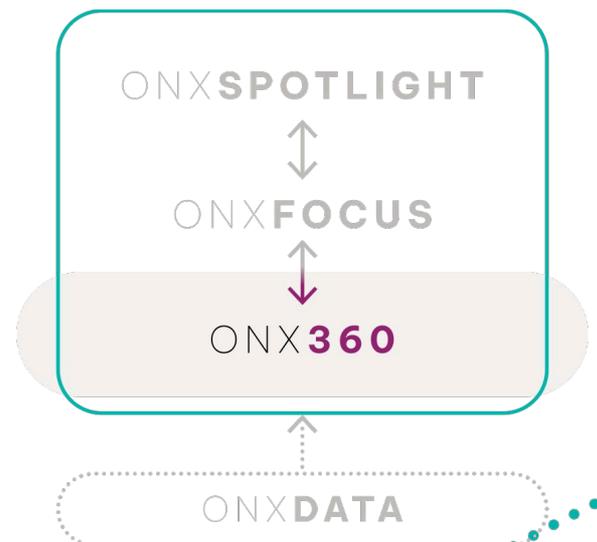# ONX360

Pinpoint the issues that impact Core and RAN health to improve your customers' satisfaction.

Drill into the details of your network to diagnose, prioritize, and solve network experience challenges.

Product Overview

ONX 360 provides network engineering teams the ability to identify, prioritize, and solve issues on Core and RAN networks with unparalleled precision. Detailed test results at geohash, cell site, and test levels solve for network coverage, base station analysis, and deployed spectrum, as well as core performance.

ONX**SPOTLIGHT**

⇕

ONX**FOCUS**

↓

ONX**360**

⇡

ONX**DATA**

For Core and RAN Network Engineers

ONX 360 is designed for **network engineers** who need to prioritize and repair network experience issues in their Core and RAN networks. ONX 360 gives you what you need to:

Investigate specific areas of your network to help prioritize investment in markets with lower than average coverage.

Analyze where there are congested vs underutilized cells in your RAN network.

Identify locations where devices are connecting to a suboptimal cell site, and resolve the performance issues.

Investigate the impact of sunsetting 3G on network performance and user experience.

Understand where traffic is getting routed to fix issues that are dragging down your network performance.

ONX 360 Includes:

Coverage Analysis
Categorize signal strength levels, no-coverage areas, and emergency coverage areas.

Base Station Analysis
Understand congestion, overshooting, under-utilized cells, and cell locations.

Core Health Analysis
Understand IP addresses used by CDN endpoint.

Custom Dashboards: myDashboard
Give you the ability to slice the data and create custom charts & analyses using a large variety of dimensions and metrics at the regional, cell, and tower level.

Independent Data Collection
Trusted and transparent third-party sources for network experience data and insights.
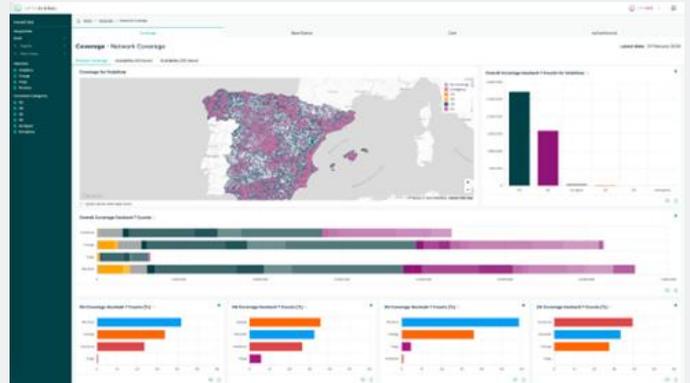
Competitive Data*
Competitive network insights available with the purchase of ONX Focus.
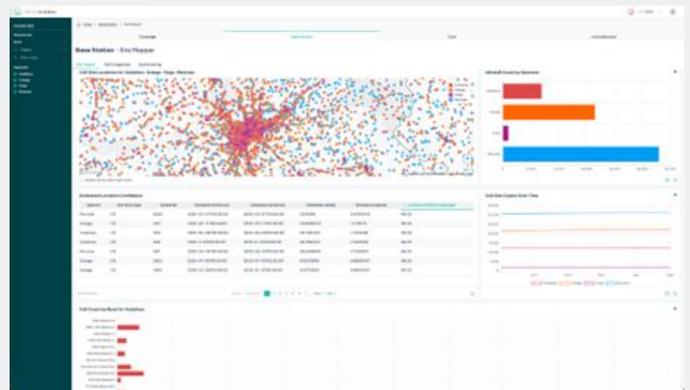
Preconfigured Dashboards:

RAN Health

Network Coverage

- Categorize signal strength levels, no-coverage areas, emergency coverage areas, coverage performance ranking, and emergency call potential
- Leverage subcategories of signal strength levels to better understand performance
- Assess network availability via performance, importance, and dominant technology dashboards
- Active locations where users are using an active 5G bearer
- Ability to look solely at areas within your network to help prioritize investment in markets with lower-than-average coverage.

Base Station Insights

- Categorize signal strength levels, no-coverage areas, emergency coverage areas, coverage performance ranking, and emergency call potential
- Leverage subcategories of signal strength levels to better understand performance
- Assess network availability via performance, importance, and dominant technology dashboards
- Active locations where users are using an active 5G bearer
- Ability to look solely at areas within your network to help prioritize investment in markets with lower-than-average coverage.

Core Health

- Core Performance: How well is the core performing for your subscribers through endpoint IP?
- Core endpoint IP analysis includes the CDN and IP technical components of: download speed experience, upload speed experience, games experience, video experience, live video experience, voice app experience, excellent consistent quality, and core consistent quality.

Update Frequency
ONX 360 is updated with the latest data and measurement on a weekly or daily basis.

Access
ONX 360 is accessible via an online portal login and as a data feed.

- **Data Start Date:** 2 weeks from confirmed receipt of purchase order.
- **Users:** Unlimited number of users.
- **Historical data:** Ability to review up to 180 days of historic information.

About Opensignal

Opensignal is the leading global provider of independent insights into the connectivity experiences and decisions of consumers. Our proprietary insights into mobile and broadband networks give operators the solutions they need to profitably compete and win, from executive level scorecards and public validation to pin-point level engineering analytics and consumer decision dynamics. Our collection methods are proprietary and transparent, and enable operators to continually improve connectivity for all. The company has headquarters in the USA, Canada, UK and sales offices in South America and Asia.

For further information about our Analytics Solutions please contact us.

Find our latest reports here.

Metrics & Segmentation Overview

Other Metrics Included in ONX 360

Coverage
- Coverage Category
- Signal strength levels subcategories

Availability/Time on network technology
- Time on network technology at geohash level, location importance

Base Station Health
- Cell Congestion
- Cell Capacity
- Overshooting
- SiteMapper

Core Health
- Upload Speed
- Download Speed
- Upload Throughput
- Download Throughput
- Latency
- Jitter
- Packet Loss
- Video

Segmentation
- By Operator*
- Test Distribution
- By Time of Day
- By Technology: 5G, 4G, 3G
- By Device Capabilities: 5G, 4G, 3G capable
- By Granularity: Country, Region, City, Cell level, Geohash level, Point level
- y Frequency Range: High, Medium, Low, mmWave
- By Location: Indoor vs. Outdoor
- By Frequency Band
- By CDN: Amazon, Google, Akamai
- By CDN IP Address
- By Coverage SubCategory
- By Signal level data: RSRP, RSRQ,etc
- By Congested Cells
- By Congested eNodeBs
- By Cell Technology
- By Cell ID, LAC, eNodBID

* competitive benchmarking available with a ONX Focus or ONX Data subscription