NIVID TECHNOLOGIES

n-view®

IoT Network Intelligence

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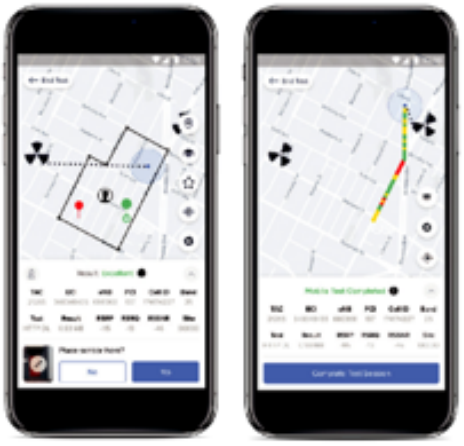
IoT Network Intelligence

N-View is a mobile platform that adds network intelligence to simplify IoT deployments. N-View provides deep insights on network health to your existing IoT deployment workflows to improve performance and efficiencies. Network data analytics enable actionable insights and better business decisions.

N-View – a product of Nivid Technologies – simplifies how you determine good health to deploy IoT sensors with a high degree of confidence in your deployment and runtime efficiency. After deployment, N-View gives you real-time visibility to ensure optimal sensor performance. N-View works across a wide variety of sensor technologies from NB-IoT, LTE-M, and Cat-M1/M2 to LoRa and 5G.The platform delivers a number of key features to:

- Determine with accuracy optimal locations to deploy IoT sensors based on network coverage intelligence.
- Reduce truck rolls and the associated cost of deployment.
- Validate RF design and network KPIs using cloud-based analytics dashboard.
- A low-cost solution to improve sensor deployment efficiencies.



Simplify IoT deployment

To keep track of how the IoT use-case has been deployed, and to ensure optimal performance over time, you need visibility into empirical network data. N-View provides data-driven network insights and intelligence to ensure your IoT deployment performs efficiently.

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How Network Visibility accelerates your IoT Deployment Performance

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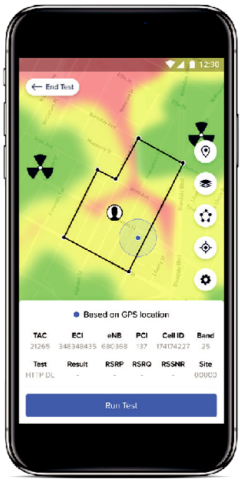
Predictable SLA and customer experience

It is difficult to guarantee a satisfactory level of service at all times if the IoT devices fail to deliver due to poor connectivity. With N-View platform you can overcome these challenges as it enables you to accurately measure how robust the network coverage is at a given location. N-View provides a number of connectivity parameters that enables you to determine with a high degree of confidence the most optimal locations to deploy the IoT sensors. Post-deployment, you can use N-View analytics to track and validate network performance in the context of the initial SLAs. This minimizes the need to dispatch technicians for troubleshooting, and ensures desired level of service always resulting in superior customer experience and loyalty.



Most drive test collections are either mobile or stationary. N-View provides statistical correlation across both to promote new bench-marking techniques.

Reduce remediation challenges

The cost and inefficiencies to remediate problems due to poor connectivity could be substantial. For example, when a thousand connected parking meters are deployed in a city block, and 20% of the locations have poor connectivity, the number of truck rolls and associated cost is significant. N-View is a low-cost solution to eliminate such inefficiencies. Using N-View you can measure and determine locations with reliable IoT connectivity before you deploy the sensors.

Accelerate your sales cycle

The ability to test and assess optimal connectivity in advance enables you to:

1. Reduce the time needed to deploy IoT sensors
2. Reduce the number of truck rolls
3. Provide a high degree of confidence in your deployment and runtime performance
4. Improve customer experience and reduce churn rate

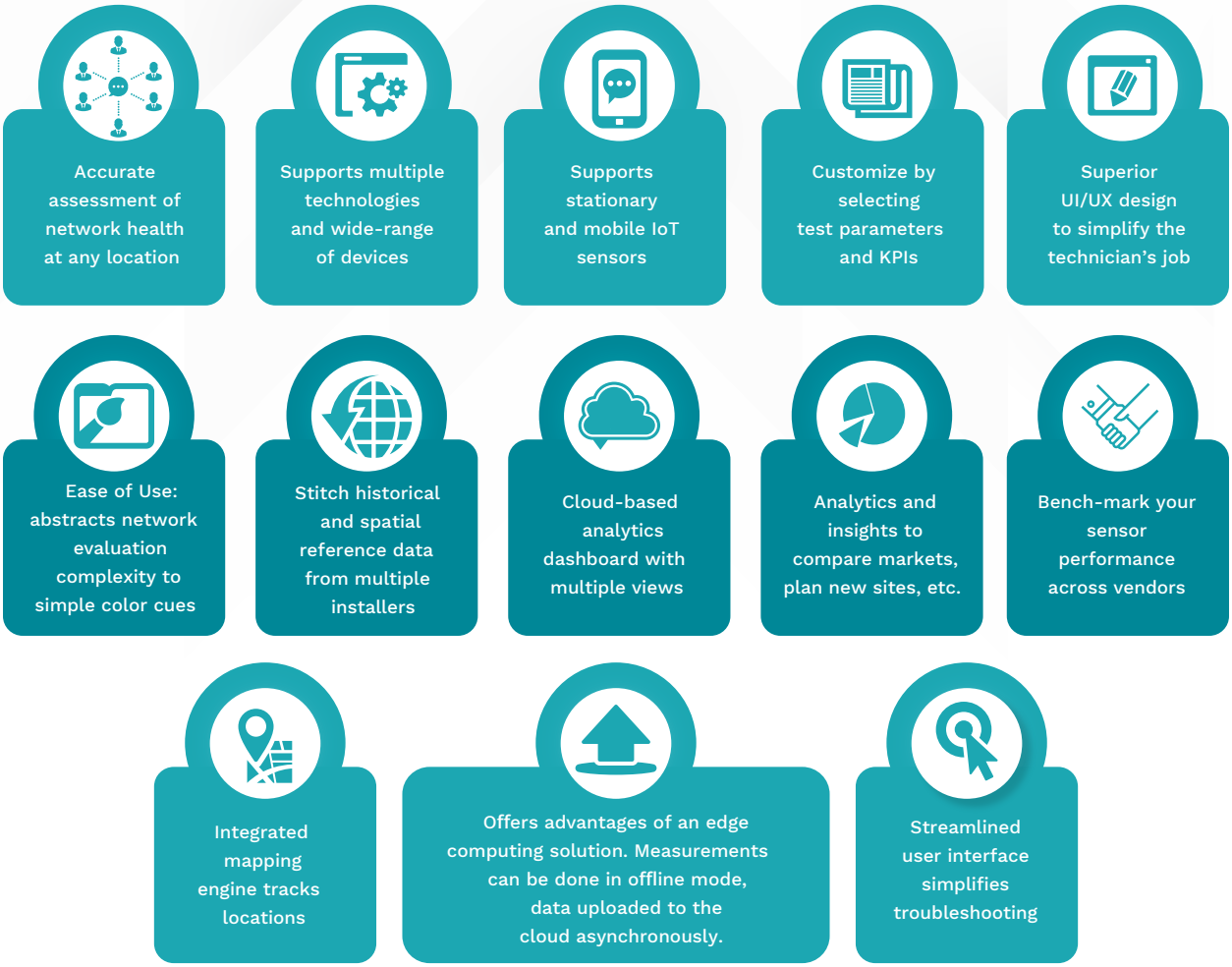
N-View is designed to accelerate sales by simplifying your IoT deployment process.

Boost operational efficiency

Certain wireless protocols support multiple frequency bands for uplink and downlink. With N-View you can decide sensor locations with best connectivity guarantee and control traffic spread across your frequency bands with improved granularity.

N-View's network health data can validate your network and design assumptions based on statistical models. N-View's analytics platform gives you the visibility to compare different markets and their performance to monitor current operations and to plan for the future.

N-VIEW FEATURES AT A GLANCE



N-VIEW TECHNOLOGY FACT SHEET

MOBILE APP OPERATING SYSTEM	ANDROID
CELLULAR TECHNOLOGY	LTE-M, NB-IoT, Cat-M1/M2, LoRa, 5G/Wi-Fi
DEVICE SUPPORT	Compatible with all major chipsets
MEASUREMENTS	Ping Tests, Latency
TEST KPIS	RSRP, RSSI, RSRQ, RSSNR, Downlink, Uplink
SUPPORTED PROTOCOLS	ICMP, TCP, MQTT, HTTP
UI/UX DESIGN	High-level of abstraction (color codes, legends)
NETWORK ANALYTICS	Cumulative and Probability density functions

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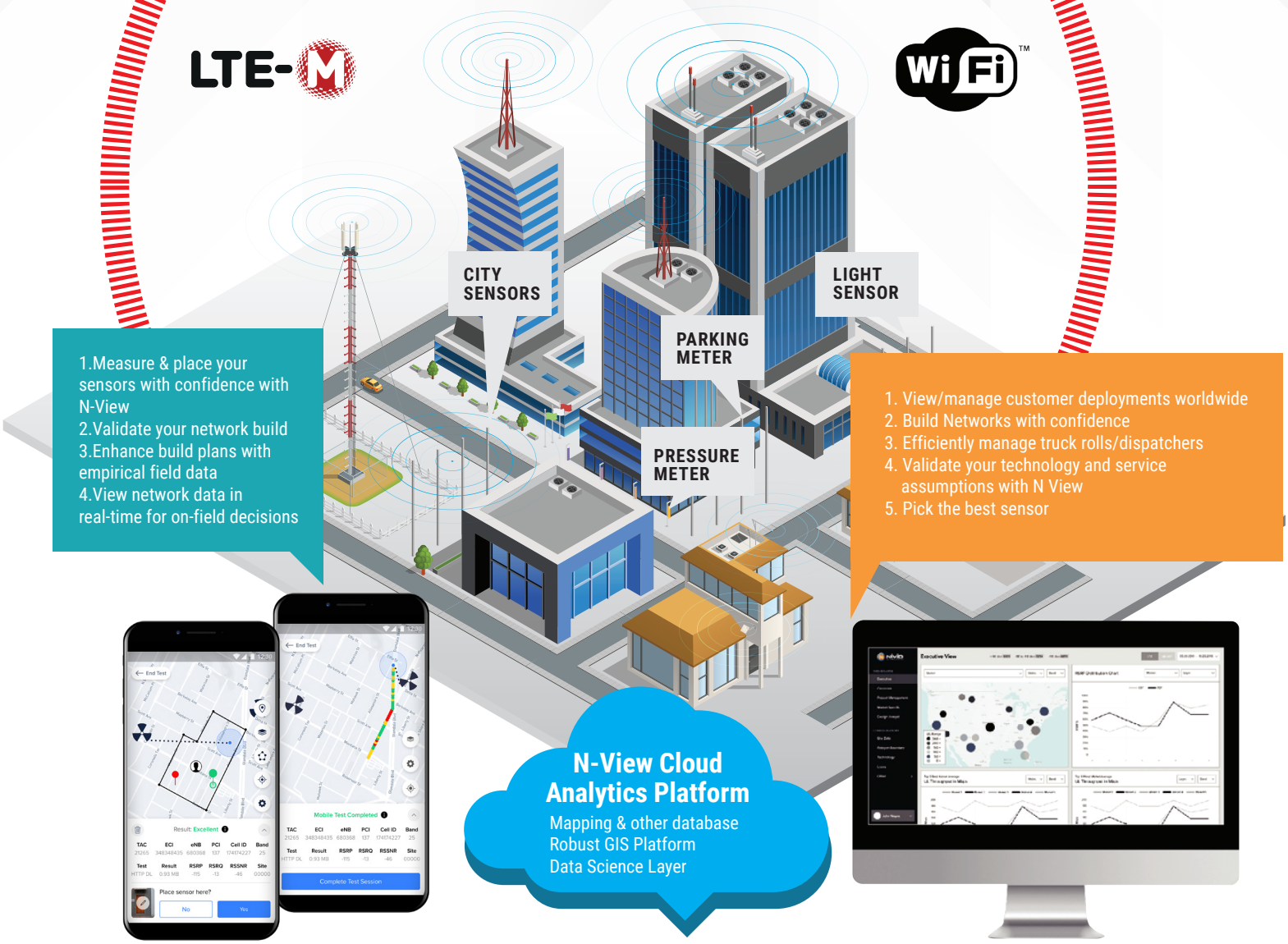
NB-IoT

LoRa™

LTE-M

Wi Fi™



1.Measure & place your sensors with confidence with N-View
2.Validate your network build
3.Enhance build plans with empirical field data
4.View network data in real-time for on-field decisions

1. View/manage customer deployments worldwide
2. Build Networks with confidence
3. Efficiently manage truck rolls/dispatchers
4. Validate your technology and service assumptions with N View
5. Pick the best sensor

N-View Cloud Analytics Platform

Mapping & other database
Robust GIS Platform
Data Science Layer

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North America, Europe, Asia

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CERTIFIED ISO 27001 COMPANY

CERTIFIED ISO 9001:2015 COMPANY