

## NEMO AUTONOMOUS

PROVEN AND RELIABLE  
SOLUTION FOR AUTOMATED  
MEASUREMENTS

Nemo Autonomous is an ideal solution for performing automated large-scale measurements. With its proven and reliable automation, Nemo Autonomous provides you with a cost-effective, continuous stream of up-to-date measurement data from the real-life routes of your end customers.



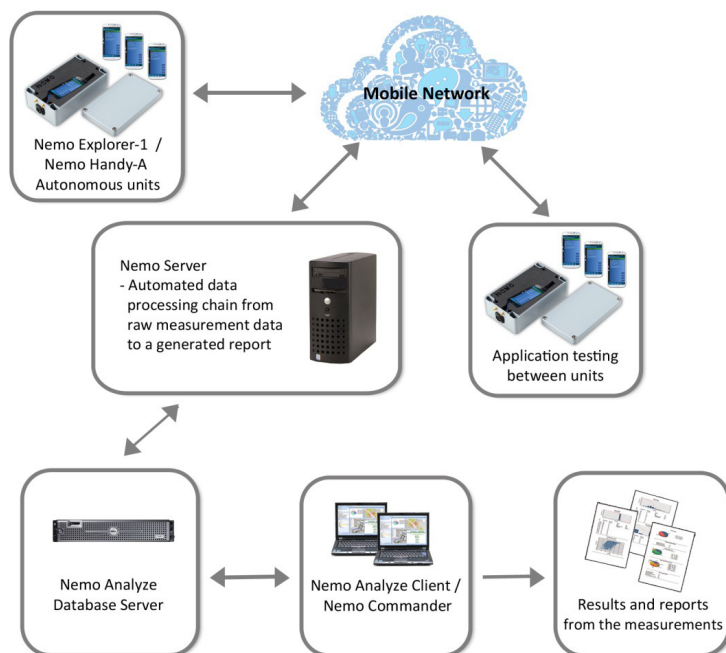
# PERFECTING WIRELESS NETWORKS

Nemo Autonomous provides centralized remote control of field measurement units for unattended network testing. The system employs groups of Android-based field measurement probes called Nemo Explorer-1 units. The tools can be installed in fixed locations or moving vehicles, or deployed as handset-only, requiring no permanent installation. Nemo Autonomous enables remote-controlled measurements without the need for supervising drive test engineer on the field. Since there is no need to operate measurement tool on the field, the probes can be managed by a driver without RF/Engineering knowledge. This could reduce the cost of testing up to 70%.

Nemo Explorer-1 units are remote controlled over the air from Commander functionality of Nemo Analyze. The Nemo Autonomous units upload the measurement files and status reports automatically to Nemo Analyze, enabling near real-time monitoring of the Nemo Autonomous units on the field, and automatic processing and reporting of the measurement data.

## Continuous, cost-effective network testing

Nemo Autonomous enables automated measurements on the air interface of GSM, CDMA, EVDO, WCDMA, HSPA, HSPA+, LTE/ LTE cat. 4, and WiFi (HetNet) wireless networks with a broad variety of radio and application metrics. Available application testing options include voice calls, FTP/HTTP data transfers, HTML browsing, YouTube video streaming, Facebook testing, SMS messaging, and ping. Nemo Autonomous also enables **Voice quality measurements** based on the POLQA and PESQ algorithms both in uplink and downlink directions and in Super Wideband and Narrowband measurement modes.



## Highlights

- Enables remote-controlled measurements without the need for supervising drive test engineer on the field.
- Full automation of the data processing chain, from field to analysis results.
- Measurement scripts created and scheduled with Nemo Commander's easy-to-use calendar view or using the probes' built-in calendar view.
- Groups of probes can be assigned with distinct measurement scripts that can be targeted on multiple geographical polygon areas.
- Probes automatically send measurement files to the server via FTP.
- Inactive probes can be detected and reactivated remotely.
- Adding new probes to system remotely by sending server settings via SMS.