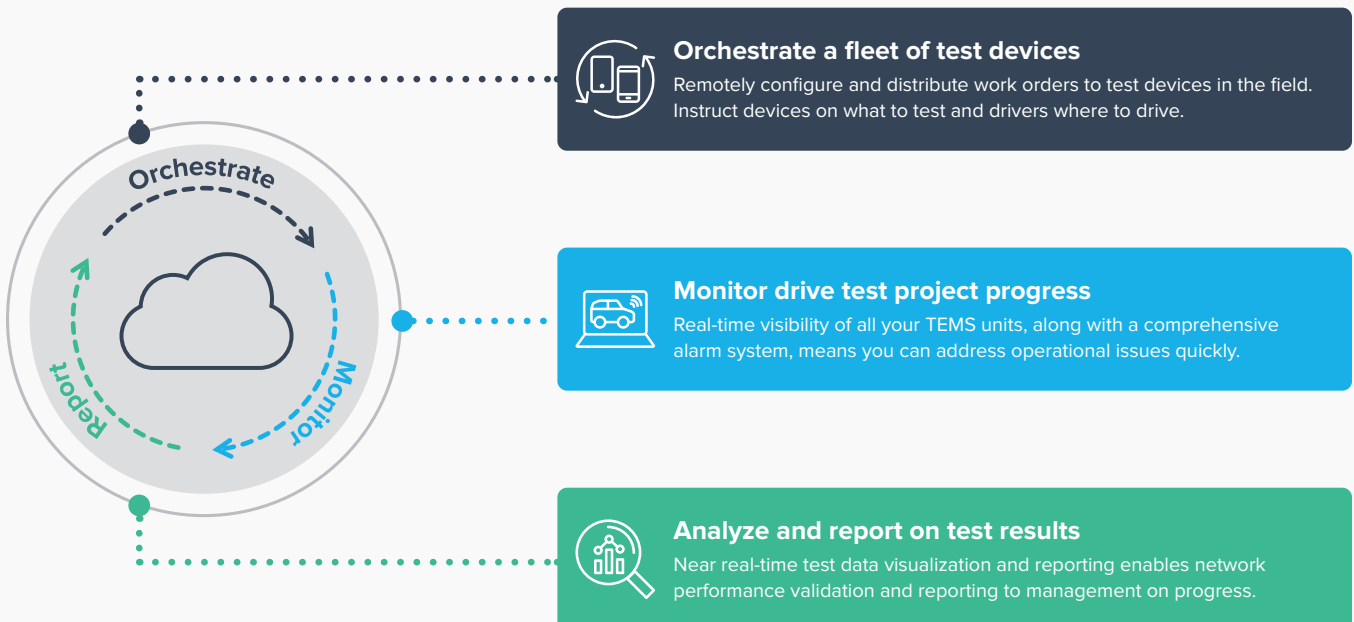# infovista

TEMS™ Cloud

Efficiently coordinate network testing projects by remotely managing your multiple network test projects with real-time control and analytics

Orchestrate, monitor, analyze and report on your network testing projects with TEMS™ Cloud

With TEMS™ Cloud, you can plan and manage multiple network testing projects across a variety of TEMS network testing solutions, all from a centralized back-office. TEMS Cloud enables you to create work orders containing test routines and drive routes and distribute these to field test teams. It allows you to monitor testing progress in real-time and quickly address any problems, and it analyzes the captured data and creates the relevant reports and dashboards.

The centralized orchestration provided by TEMS Cloud significantly reduces the amount of fieldwork required by your skilled engineers, reducing costs, and it ensures testing is standardized across all field teams improving the quality of your testing.

Orchestrate a fleet of test devices
Remotely configure and distribute work orders to test devices in the field. Instruct devices on what to test and drivers where to drive.

Monitor drive test project progress
Real-time visibility of all your TEMS units, along with a comprehensive alarm system, means you can address operational issues quickly.

Analyze and report on test results
Near real-time test data visualization and reporting enables network performance validation and reporting to management on progress.

TEMS Cloud use cases

Remote management of field testing

Allow a single engineer to distribute testing routines and remotely run tests.
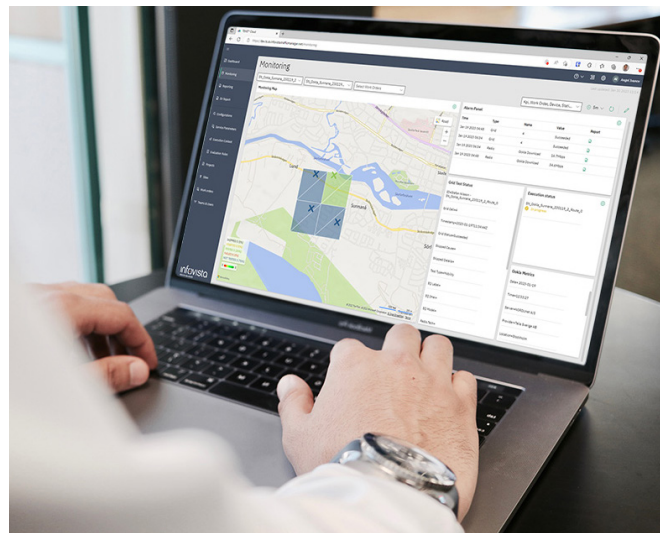
At any one time you may have multiple test teams in the field as well as fixed TEMS™ Sense units deployed at strategic locations. TEMS Cloud allows you to remotely manage all these units, from distributing standardized work orders, testing routines and drive routes to mobile units, to deploying software upgrades or remotely running tests on TEMS Sense units. This remote management means a single engineer can monitor and control many test devices all from a centralized back-office.

Network field test team monitoring

Save time and avoid re-drives by immediately identifying and resolving issues.

When conducting expensive testing projects, it is important to be able to monitor your field units so you can immediately identify and resolve any issues. This prevents wasted time and the need for re-drives which result in project delays. TEMS Cloud provides real-time visibility of the location and testing status of all your TEMS units in the field. A comprehensive alarming system notifies you of any suspected issues so you can quickly rectify them and minimize disruption to testing.

Real-time analysis and reporting

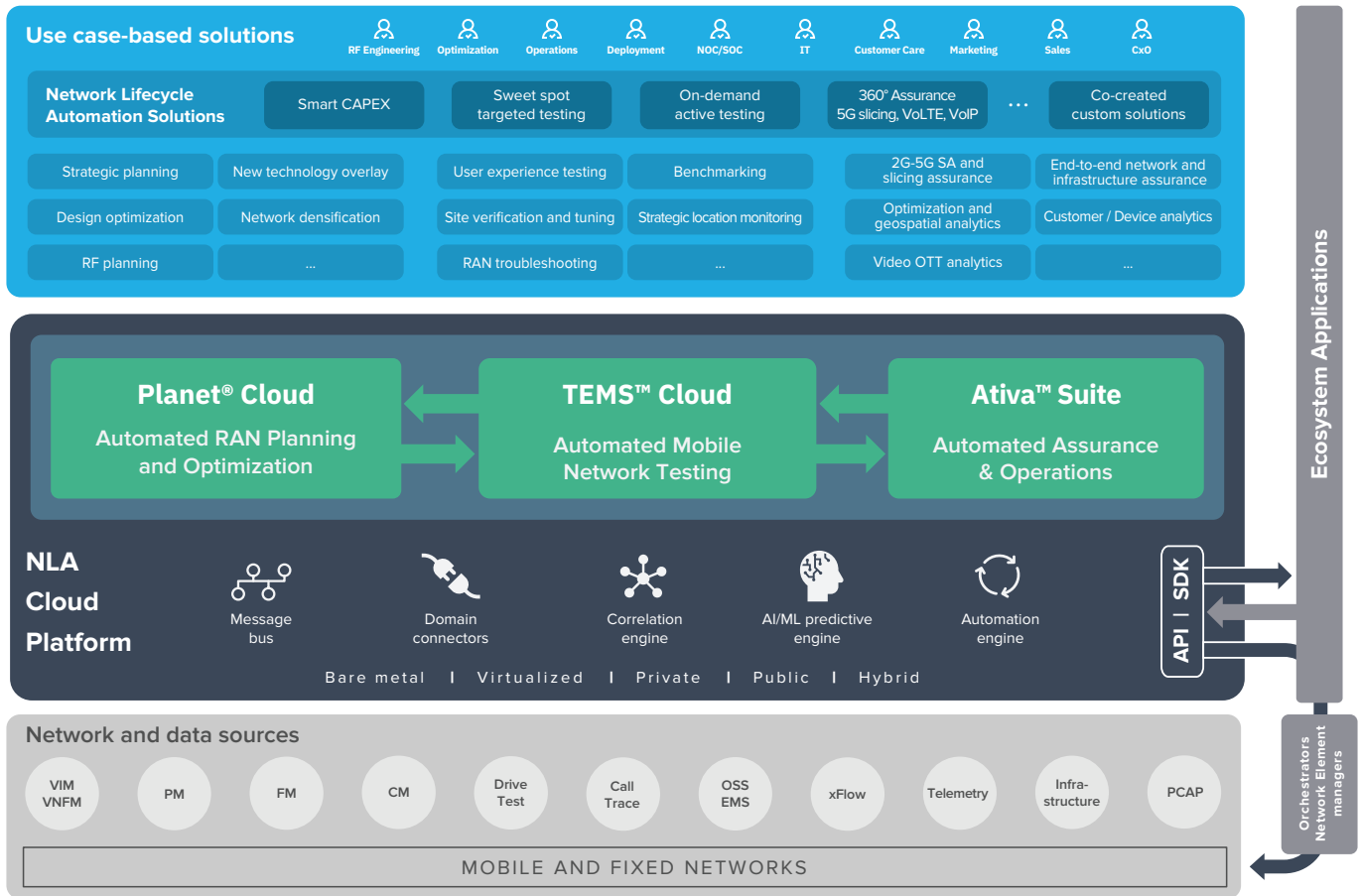Deliver full, real-time visibility of test campaigns with customizable dashboards.

In addition to monitoring your team's progress, TEMS Cloud enables near real-time analysis and reporting on the network performance data gathered during testing. As soon as a test is complete, the logfiles are uploaded to TEMS Cloud and dashboards are populated. This means you always have full, real-time visibility of test campaign results. Additionally, dashboards can be customized to specific audiences so everyone from the C-level to engineers can be kept informed of the project status.

Powered by the NLA Cloud Platform™

TEMS Cloud is powered by Infovista's cloud-native NLA Cloud Platform which provides common telco-specific functions such as automation, analytics, and data correlation engines to power Infovista solutions across the entire network lifecycle, including Planet AI-driven RF network planning, TEMS™ network testing solutions and the Ativa™ Suite of applications for automated assurance and operations.
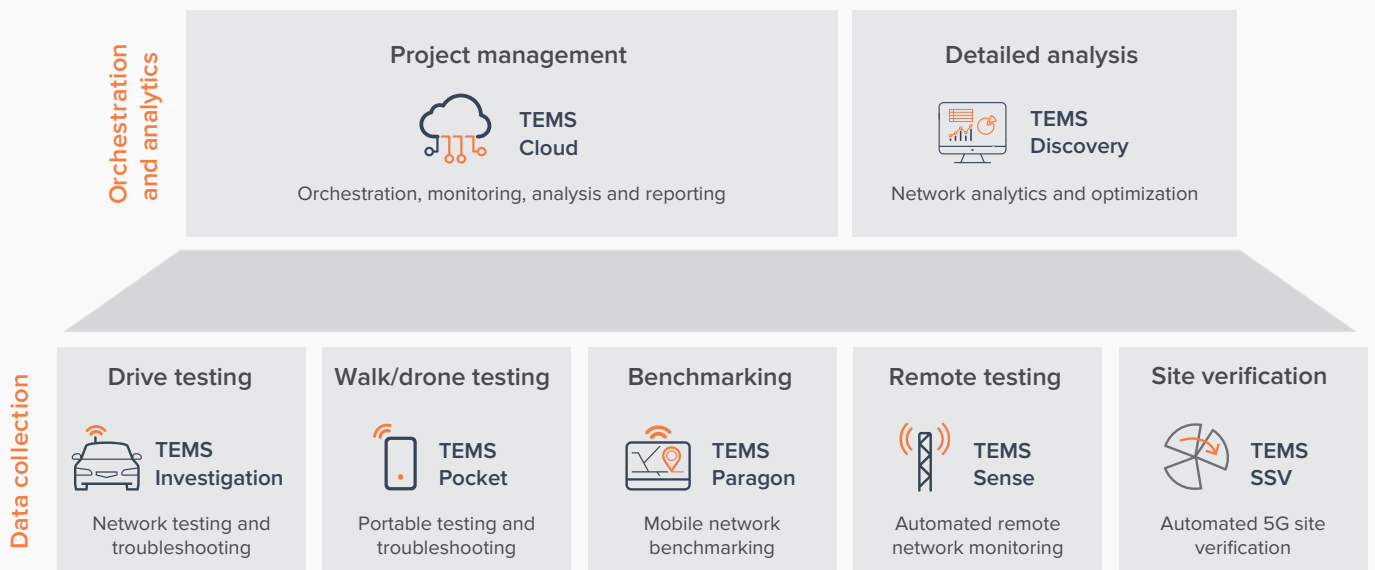
The NLA Cloud Platform™ unifies network planning, testing, and automated assurance and operations and breaks the limitation of traditional siloed-solution approaches. This brings greater use case innovation, agility, and interoperability for CSPs', unlocking new cross-cycle processes such as Precision Drive Testing™, which leverages 5G network, service and customer data, and ML/AI techniques to increase the speed and accuracy of 5G testing. The data-driven and automated network testing solution supports a wide range of network-testing scenarios, from new site verification to user-experience validation.

Use case-based solutions

RF Engineering | Optimization | Operations | Deployment | NOC/SOC | IT | Customer Care | Marketing | Sales | CxO

Network Lifecycle Automation Solutions	Smart CAPEX	Sweet spot targeted testing	On-demand active testing	360° Assurance 5G slicing, VoLTE, VoIP	...	Co-created custom solutions
Strategic planning	New technology overlay	User experience testing	Benchmarking	2G-5G SA and slicing assurance		End-to-end network and infrastructure assurance
Design optimization	Network densification	Site verification and tuning	Strategic location monitoring	Optimization and geospatial analytics		Customer / Device analytics
RF planning	...	RAN troubleshooting	...	Video OTT analytics		...

Planet® Cloud — Automated RAN Planning and Optimization → **TEMS™ Cloud** — Automated Mobile Network Testing → **Ativa™ Suite** — Automated Assurance & Operations

NLA Cloud Platform

Message bus | Domain connectors | Correlation engine | AI/ML predictive engine | Automation engine | API | SDK

Bare metal | Virtualized | Private | Public | Hybrid

Ecosystem Applications

Network and data sources

VIM VNFM | PM | FM | CM | Drive Test | Call Trace | OSS EMS | xFlow | Telemetry | Infra-structure | PCAP

MOBILE AND FIXED NETWORKS

Orchestrators Network Element managers

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Part of the Infovista TEMS Suite for mobile network testing

The TEMS Suite is our portfolio of solutions that allow you to address every aspect of testing and troubleshooting your network from a subscriber's perspective, whether it be just 5G or a combination of multiple technologies. If you are looking to verify the performance of new 5G sites, walk test strategic indoor locations, benchmark your network performance against your competitors, or any one of numerous other network testing use cases, TEMS has a solution to meet your needs.

- **TEMS Cloud –** manage your network test projects with real-time control and analytics

- **TEMS Investigation –** perform drive tests to verify, optimize and troubleshoot all your mobile network technologies

- **TEMS Pocket –** walk test indoor locations and drone test hard-to-reach places

- **TEMS Paragon –** streamline your mobile network benchmarking campaigns

- **TEMS Sense –** proactively monitor your wireless network services end-to-end with active testing

- **TEMS SSV –** automate site acceptance for faster 5G roll-outs with fewer personnel

- **TEMS Discovery –** turn your network test data into analytics and actionable insights for optimization

Orchestration and analytics

Project management

TEMS Cloud

Orchestration, monitoring, analysis and reporting

Detailed analysis

TEMS Discovery

Network analytics and optimization

Data collection

Drive testing

TEMS Investigation

Network testing and troubleshooting

Walk/drone testing

TEMS Pocket

Portable testing and troubleshooting

Benchmarking

TEMS Paragon

Mobile network benchmarking

Remote testing

TEMS Sense

Automated remote network monitoring

Site verification

TEMS SSV

Automated 5G site verification

About Infovista

Infovista is the global leader in network lifecycle automation (NLA) for the next-gen networks era. With its unique NLA approach, Infovista allows communications service providers (CSPs) and enterprises to improve their network performance and customer experience, optimize their productivity, and reduce their costs, while maximizing return on their investments. Spanning the entire network lifecycle, Infovista's products and solutions leverage an open, integrated, cloud native portfolio that automates tasks, flows, analytics, and decisions to the greatest extent possible. More than 1,000 customers, including 400 Mobile Network Operators, around the world rely on Infovista to plan, design, deploy, test, operate, support, optimize, evolve, report on and monetize their networks.