

# E2E Infrastructure & Applications Testing



Integration and validation of new products and networks require in-depth knowledge and experience. Over many years, Nash Technologies has acquired extensive expertise in these key areas.

## Capitalize on full access to our integrated equipment

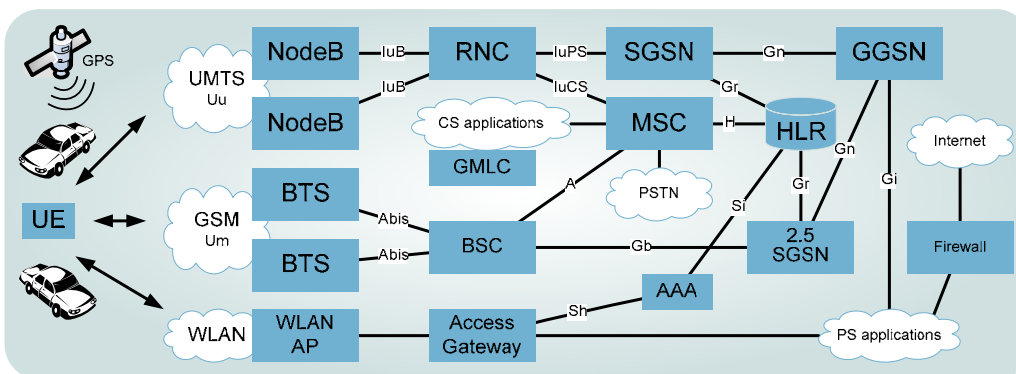
- For testing your products & solutions
- Third-party equipment from a variety of global telecommunication equipment vendors, servers, routers & switches as well as tracing & monitoring devices
- Via GSM, UMTS, LTE and WLAN access technology with ANSI / ETSI network, at various frequencies (900/1800/1900 MHz GSM - 850/1900/2100 MHz UMTS - 2600 MHz LTE), 80 NodeB, 20 RNC
- UMTS core network consisting of 5 SGSN, 2 GGSN, 5 MSC, 3 HLR and 7 OMC
- Accessing applications such as SMS center, MMS center, Voice Mail System, Streaming, GMLC (for LBS/AGPS), FTP, UDP server, SIP/VoIP and IMS-based services
- Live UMTS/HSPA+ network of 3 RNC, 5 NodeB, 15 cells covering >25 square kilometers, incl. Intersystem to GSM1800 and prepared for LTE

## And benefit from a unique opportunity to efficiently...

- Test and optimize your specific network parameters & configurations
- Test your devices with 3GPP features, not yet available commercially
- Test your applications using various access technologies and service quality
- Integrate your own network elements, applications and/or mobiles in a protected network area
- Access each physical and logical interface while performing white-box & black-box testing
- Validate your devices in a real, customer-oriented reference environment

## About Nash Technologies

Nash Technologies, based in Nuremberg Germany, develops, tests and supports software for the fast-growing global wireless technology sector. The centre of excellence, with in-depth experience acquired in the world-renowned Bell Labs, joined the Harvey Nash Group as an independent spin-off of Alcatel-Lucent's R&D operation. Nash Technologies' wide-ranging expertise covers all phases of the product lifecycle, and its wireless testing facilities rank among the largest in the world.



## Take advantage of our extensive expert knowledge

In planning, architecture, integration and optimization for radio networks and core networks, in IP networks, in distributed and shared network concepts (Flat-IP, security, convergence), in functional testing, sanity & regression testing, load & overload testing, system level performance testing, stability & endurance testing, Multi-UE testing & interoperability testing

Nash Technologies' services comprise wireless communication system development and support, telecommunication testing services as well as embedded software development and testing. We deliver a unique combination of blended onshore and offshore research and development service – in Europe and Vietnam – and are thus ideally positioned to provide our international clients with onshore quality service at a very competitive price.