Qosmotec

Test Automation –
Less Effort, Better Results

Company Information

Qosmotec develops test automation systems for all current wireless technologies since 2004. Our testing solutions offer an efficient, cost and time saving testing process. They detect remaining deficiencies in mobile networks from an end-user point of view.

Our customer base comprises major wireless network operators and global vendors of wireless network infrastructure. Our solutions have also been successfully employed to test specific network technologies like GSM-R, TETRA, or WLAN standard IEE 802.11 for Car-2-X communication.

Qosmotec is located in Aachen, Germany, a tri-national technology region with numerous hi-tec facilities and one of the world's leading engineering universities.

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Years Experience in
Mobile Network Testing

Handover Emulation

The Qosmotec Propagation Effects Replicator QPER emulates RF channel conditions like signal attenuation and optionally phase shift on a high number of radio links in the test lab. It uses the unique approach of virtual drive testing that allows users to design a cellular network graphically on the screen and to simulate subscriber mobility.

Alternatively, already executed and recorded drive tests can be replayed to reproduce field problems in the lab. QPER can be run standalone via a graphical user interface or integrated in a test automation environment.
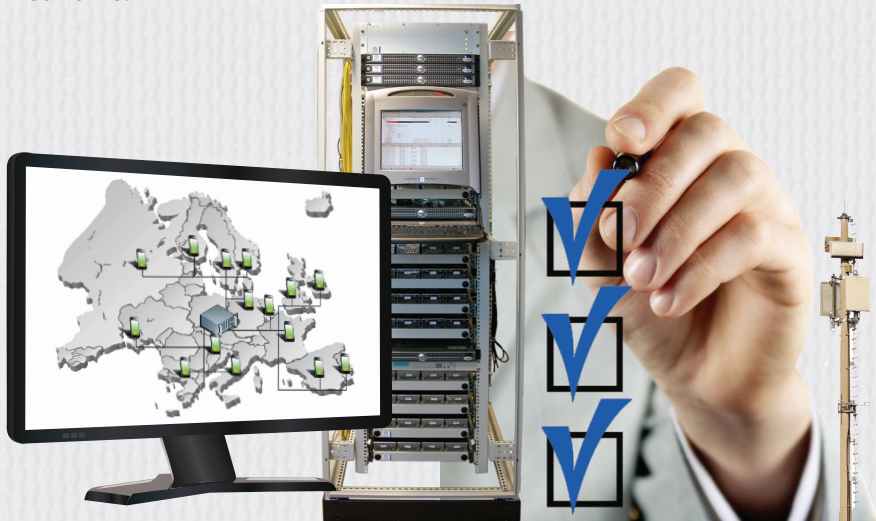
Test Automation Systems

Our test automation system LTS allows users to check performance and quality of mobile networks from the subscriber's point of view – in the test lab or with test probes spread across the field. It controls real UEs via software and executes call tests collecting KPIs on voice calls, high speed data transfers, and VoIP.

LTS is available in two variants:

- The Load & Regression Tester for laboratories, controlling a large number of mobiles in a rack set-up.

- Functional Tester for centrally controlled, distributed end-to-end tests in live networks.

Test Accessories

Qosmotec test systems are modular. To enable users to expand and customize test set-ups, we offer a range of test accessories:

- The shielding box RF Guard isolates UEs from external RF signals in LTS or QPER systems or can be used standalone.

- Qosmotec UE Test Probe including industrial UEs for UMTS, HSPA or LTE, remotely controlled from a central location or to extend a rack setup in the test lab.

- The test automation app Qosdroid to employ smartphones with Android OS in Qosmotec test automation systems.

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