Moscow – Tele2, an alternative mobile operator, has integrated SITE, the test environment for assessing the quality of connections. The system monitors voice, data and VAS on 2G, 3G and LTE networks.

To monitor the quality of services, Tele2 is using SITE – the SIGOS Integrated Test Environment. Its architecture includes central server databases, SIM Multiplexers and test probes supporting 2G, 3G and LTE technologies. Test units located in regions of Tele2 operations provide consistent and reliable testing of the company's services.

Each day the SITE system is making over 50 thousand tests. Tele2 infotainment and base services account for around 50% of all measurements. For example, the system is assessing the correct function and accessibility of popular services such as Gudok and Geopoisk 24/7. In each region, the system is monitoring the voice quality, SMS/MMS delivery, performance of USSD and the accessibility of the company's online services. If a certain test case shows a failing or degrading service, SITE will automatically report the issue to the support desk.

In addition, the test system is used to check accessibility of domain names and website references restricted by Roskomnadzor (the Federal Service for Supervision of Communications, Information Technology and Mass Media). Such data access tests reflect 30% of all measurements carried out by SITE. When the system detects any errors or malfunction, employees in charge rectify routing mistakes and block the content forbidden under Russian law.

While rolling out high-speed wireless Internet, the company is striving to provide a high quality of data services. The integrated test environment is launching a special application that emulates the interaction of an Internet user. The program is downloading different content using 3G and 4G networks, testing data speed and accessibility of each datalink. Based on the monitoring results, the support desk is correcting or adjusting server operations.

SITE is monitoring the quality of interconnection and international roaming on a real-time basis. Combining SITE with the SIGOS GlobalRoamer system, Tele2 has access to test its services on over 780 mobile operator networks in 200 countries. The system is evaluating call success rate, voice quality, data speed and time of message delivery. Experts can emulate any test scenarios freely, e.g. configuring the subscriber's home region, the country of his stay, services used and other variables.

The latest, up-to-date SITE installation allows the operator to effectively manage the labor needed to test new tariffs and services. Thanks to SITE, Tele2 has now access to accurate data collected 24/7, equivalent to around 5 thousand hours of labor work per week.

Integration, technical support and training of Tele2 personnel are carried out by DMTel – the official distributor of SIGOS in Russia.
About Tele2:

Tele2 started operations in Russia in 2003 when it launched GSM network in several regions. Over this time the company has turned from a small regional mobile operator into a federal player.

After ten years of successful work in Russia, Swedish Tele2 AB sold the Russian subdivision to VTB Group. In February 2014, Tele2 and Rostelecom announced consolidation of mobile assets on a Tele2 basis and setting up a new federal operator.

Tele2 has operations in 65 Russian regions and provides services to 38.9 million subscribers offering high-quality mobile services at low prices. With over 8000 people, Tele2 provides its services based on its own network infrastructure. In October 2015, the operator started providing 3G/4G mobile services in Moscow Region and has launched high-speed wireless Internet in 61 Russian regions.


About SIGOS:

SIGOS is the worldwide leader in active testing and Fraud Detection of telecommunication networks and services. The solutions enable operators, OTT, content providers, carriers and regulators to fully understand Quality of Service and Experience from an end-user perspective.

The SITE test system supports proactive testing across all technologies and network infrastructures. GlobalRoamer, the world’s largest roaming testing platform, provides access to over 780 networks in 210 countries. Fraud Detection and Revenue Assurance conclude the innovative and market leading portfolio.

SIGOS today serves over 450 customers in 156 countries worldwide, including most of the top 100 network operators.

More information visit: [http://www.sigos.com](http://www.sigos.com)

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