

TD-LTE breakthroughs showcased at Mobile World Congress 2013

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Nokia Siemens Networks is highlighting TD-LTE innovation at Mobile World Congress 2013 in Barcelona. This includes a demonstration of data traffic offloading between [TD-LTE](#) and FDD-LTE using the company's Single RAN Advanced Flexi Multiradio 10 Base Station and a commercially available dual-mode (FDD and TDD) end-user device. The demonstration, and the company's commercial momentum in TD-LTE, will be highlighted by Rajeev Suri in a keynote address to the Global TD-LTE Initiative (GTI) Summit on February 26, the second day of the Barcelona event.

The capability to offload traffic between TD-LTE and FDD-LTE networks paves the way for operators to optimize the use of both FDD-LTE and TD-LTE services. The demonstration is further evidence of Nokia Siemens Networks' commitment to the globalization and commercialization of TD-LTE as part of its overall LTE strategy.

"Many operators with FDD-LTE networks also own spectrum suitable for TD-LTE services," said Tero Peltola, head of the LTE business line, Nokia Siemens Networks. "With offloading capability, the two LTE modes can work hand in glove. As multimode devices supporting both FDD and TD-LTE become more common, operators will be able to take full advantage of their spectrum allocations and deploy TD-LTE as an integral part of their overall mobile [broadband service](#)."

In a recent TD-LTE offloading and FDD-TDD load balancing test conducted in Arlington Heights, Illinois, USA, Nokia Siemens Networks

demonstrated a four-fold increase in the [throughput](#) for subscribers offloaded from a heavily loaded FDD-LTE network to a lightly loaded TD-LTE network. The test achieved up to 50% increase in throughput for users at the edge of the coverage area. In addition, it showed that load balancing of heterogeneous networks at the same frequency increased throughput for users at the edge of the coverage area by up to 180%. This achievement is the latest example of Nokia Siemens Networks' TD-LTE innovation and commercialization.

The company's earlier TD-LTE achievements include the world record TD-LTE throughput speeds of 1.6 Gbps (gigabits per second). The company is leading the [commercialization](#) of the TD-LTE ecosystems in terms of total number of network deployments and commercial launches. The company deployed the first 4G/TD-LTE network in Latin America, the first TD-LTE network in Russia, and the first TD-LTE [network](#) in Saudi Arabia.

The GTI Summit in Barcelona at which Suri will be speaking to highlight the company's role in driving TD-LTE and FDD-LTE interoperability, has the official title: LTE TDD/FDD International Summit 2013 at [Mobile World Congress 2013](#). [Nokia Siemens Networks](#) experts will also be speaking at the 6th GTI workshop on TDD-FDD LTE co-existence, synergies and enhancements at the same event.

More information: For more information on Nokia Siemens Networks' mobile broadband capabilities, including a video overview, follow this [link](#).

Provided by Nokia Siemens Networks

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