

# Samsung smart LTE solution promises more intelligent 4G service offering

March 22 2011

---

Samsung Electronics will demonstrate its Smart LTE solution which caters for increasing mobile data traffic needs, at CTIA International 2011 in Orlando, FL USA.

Samsung Smart LTE solution is designed to provide customized solutions that will maximize the use of operators' existing network resources and reduce the total costs of investment.

Through an intelligent radio resource allocation technology, Samsung Smart LTE solution improves the overall network capacity and coverage. The solution also secures a high quality of voice and data services in a dense urban and in-building areas as well as rural environment.

Samsung Smart LTE solution can automatically optimize networks and make them easier to deploy and expand. As a result, the required number of base stations is reduced significantly compared to conventional macro base stations.

Samsung Smart LTE solution line-up consists of SmartCluster, SmartCell, and Cloud solution. SmartCluster is designed to reduce interference between cells and sectors and a great solution to expand coverage. SmartCell is an effective solution to increase capacity and hole filling in a cell. Cloud solution is an innovative convergence solution which combines cloud computing and [cellular networks](#).

"The demand for mobile data is growing at a break-neck speed, and our

customers are looking for a simple and cost-effective way for the transition from 3G to [4G](#)," said Mr. Youngky Kim, Executive Vice President and General Manager of the Telecommunication Systems Business of [Samsung Electronics](#). "Samsung Smart LTE Solution focuses not just on bringing the most advanced solution to our customers, but also the right solution to support their unique needs under any circumstances." he added.

In addition to showcasing its LTE solutions, Samsung will also introduce its broad range of 4G solutions from macro to smallcell. In addition, Samsung introduces a multi-standard base station which supports multiple air technologies such as LTE, HSPA+, CDMA and [WiMAX](#) in one single platform.

Samsung Mobile WiMAX is a future-proof solution supporting a smooth migration to TD-LTE or WiMAX 2, the next generation of Mobile WiMAX based on IEEE 802.16m standard by simply adding channel cards and changing software. Mobile WiMAX operators may choose their next generation technology based on their preference between the two standards in the future.

Samsung is one of the world's leaders in 4G mobile industry. Samsung partnered with more than 30 operators for LTE businesses and made a number of commercial contracts including world's first TD-LTE. Through a long commitment in WiMAX industry, Samsung is working with more than 60 operators around the globe. Samsung also plays an important role in the standardization and development of technical specification for both LTE and WiMAX 2.

Source: Samsung

Citation: Samsung smart LTE solution promises more intelligent 4G service offering (2011,

March 22) retrieved 19 April 2024 from <https://phys.org/news/2011-03-samsung-smart-lte-solution-intelligent.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.