

Motorola sætter fart på bredbåndet med LTE og WiMAX i 2010

Vellykket 4G-satsing i 2009 sætter god fart på WiMAX og TD-LTE i 2010.

Motorola øger investeringerne i 4G-netværk i tråd med, at forbrugernes ønske om kontinuerlig internetadgang stiger, og løsningerne bliver rullet ud i markedet. Nye kontrakter og teknologiske innovationer forstærker Motorolas førerposition inden for LTE og WiMAX.

Ønsket om altid at være online og have kontinuerlig adgang til personlige data er overvældende stærkt og går på tværs af generationerne. Det viser en undersøgelse gennemført af Motorolas Home and Network Mobility-division i 2009. Hele 80 procent af generation Y, 78 procent af generation X og lige så mange af babyboomerne – med andre ord alle generationer født fra 50'erne til 90'erne – tilkendegav, at de ønskede altid at være online.

– Denne undersøgelse viser, hvor stærkt moderne teknologi er integreret i den moderne livsstil, og hvorfor Motorola satser så stærkt på at realisere 4G, WiMAX og TD-LTE i markedet, siger Bo Wassberg, Country manager i Motorola Danmark. Motorolas 4G-fremgang i 2009 omfattede en række kontrakter, teknologiske innovationer og nye produkter inden for både LTE og WiMAX-teknologierne.

Hele undersøgelsen "Motorola Media Engagement Barometer" kan læses her:

<http://business.motorola.com/mediaengagement/index.html>

– Bredden i Motorolas ekspertise og løsninger gør det mulig for operatørerne at komme hurtigt på markedet med tilbud til brugerne, siger Bo Wassberg. – Trådløst, mobilt bredbånd er det 21. århundredes basistjeneste, og Motorolas WiMAX- og LTE-løsninger imødekommer både forbrugernes behov for båndbredde og operatørernes krav til netværkseffektivitet.

Succes i 2009

Motorola kunne i løbet af 2009 registrere flere nye WiMAX-kontrakter, forstærke deres position på TD-LTE og udvide produktporteføljen, så operatørerne kan levere optimale bredbåndsoplevelser til sine kunder. WiMAX og LTE er de bedste tekniske løsninger, som både møder forbrugernes behov for højhastighedsbredbånd og operatørernes ønske om lave omkostninger per bit.

Markederne for LTE og WiMAX forventes at vokse parallelt i fremtiden, og teknologierne vil sætte operatørerne i stand til at imødekomme kravene om både statiske, nomadiske og mobile data.

Højdepunkter i 2009:

- Motorola blev valgt af China Mobile Communications Corporation (CMCC) til primærleverandør af mobilt bredbånd for verdensudstillingen i Kina i 2010
- Lanceringen af LTE prøvenetværket i Storbritannien
- Første leverandør som gennemførte og bestod testen "TD-LTE key functionalities test" som blev initieret af Kinas IT- og industriministerium
- Leverance af WiMAX access points nummer 10.000
- Lancering af WiMAX Device Partnership Program
- Introduktion af fire nye CPE brugerenheder for trådløst bredbånd (Customer Premises Equipment)

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Om Motorola

Motorola er verdenskendt for innovative kommunikationsløsninger. Motorola videreudvikler den måde som verden sammenkobles og er førende inden for infrastruktur til bredbåndskommunikation, virksomhedsmobilitet, offentlige sikkerhedsløsninger, samt høj definitions video og mobilt udstyr. Det er Motorolas ambition, at mennesker, virksomheder og myndigheder bliver i stand til at kommunikere bedre og mere mobilt. Motorola havde en omsætning på 30,1 milliarder dollars i 2008. Find mere information på:
<http://www.motorola.com>



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Motorola Expands 4G Broadband During 2009 as It Builds Momentum for WiMAX and LTE in 2010

Lands more WiMAX contracts, gains TD-LTE foothold and expands portfolio of products to help operators worldwide deliver experiences to their customers
December 10, 2009

ARLINGTON HEIGHTS, Ill. – December 10, 2009 – The [Home & Networks Mobility](#) business of [Motorola, Inc.](#) (NYSE: MOT) today reiterated its commitment to both WiMAX and Long Term Evolution (LTE) as the leading technologies that enable the media experiences that people want, while delivering the lowest cost per bit for operators. Motorola believes there are distinct markets for WiMAX and LTE, and both will co-exist as operators work to meet the ever-increasing demand for fixed, nomadic and mobile data.

“Wireless broadband is the utility of the 21st century, and Motorola has the solutions in both [WiMAX](#) and [LTE](#) that will meet consumer demand and operator requirements for network efficiency,” said Bruce Brda, senior vice president and general manager, Wireless Networks, Motorola Home & Networks Mobility. “Motorola’s legacy of expertise in wireless broadband, IP networking, video and services, coupled with our portfolio of proven solutions, can help operators go to market quickly to maximize their competitive advantage as they deploy new networks or evolve their existing networks to 4G.”

Motorola’s 4G progress in 2009 was marked with accomplishments in both LTE and WiMAX that have positioned it well for further momentum in 2010. In addition, Motorola has stated its commitment to WiMAX 802.16m as it expands its product portfolio and customer base to maintain its leadership position in WiMAX. The company also continues its active participation in numerous standards bodies as they refine specifications for various technologies that will enable faster broadband access.

According to [Motorola’s 2009 Media Engagement Barometer](#), a study recently commissioned by the Home & Networks Mobility business to gain insights from American consumers, the need to stay connected and to have access to personal content transcends generations. The overwhelming desire to be constantly connected was expressed by 80 percent of the Millennials and 78 percent of both the GenXers and Boomers who participated in the survey. The barometer findings clearly show how networking technologies have had a powerful impact in integrating the different facets of people’s lives, and why delivering on the promise of 4G is so important to Motorola’s Wireless Networks business.

Motorola’s LTE Solutions

Motorola’s early commitment to WiMAX has given it vast experience and expertise in designing, planning, optimizing and managing Orthogonal Frequency Division Multiplexing (OFDM) mobile broadband networks. It also has yielded tremendous insight into perfecting the 4G network scheduler, the master controller of the radio access network that prioritizes voice and data traffic. Motorola is leveraging this extensive OFDM, multiple-in/multiple out (MIMO), all-IP wireless broadband experience, and expertise in the 4G scheduler to deliver a complete award-winning LTE solution that will support both FDD and TD-LTE. Its first commercial LTE deployments will be based on third-generation WiMAX products that have been proven and field-hardened and for which algorithms have been optimized to deliver best performance in a real-world environment.

"With our experience from WiMAX we can get our LTE customers to market faster and with less risk," Brda said. "Our deployment, management and optimization of many large-scale commercial WiMAX networks around the world gives us operations-level experience which our research and development teams use to make better and more stable LTE solutions."

Motorola's 2009 LTE Highlights

- Selected by [KDDI](#) as a key development vendor for its nationwide LTE network
- **Selected by China Mobile Communications Corporation (CMCC) as the primary [TD-LTE](#) solution partner to provide indoor coverage for all major pavilions at the [World Expo 2010 Shanghai China](#), a significant event that runs from May 1 - Oct. 31 and is expected to attract 70 million visitors**
- The only vendor able to complete all radio access network (RAN) test cases in CMCC's TD-LTE trial including reaching the TD-LTE theoretical maximum data rate in 20MHz and successfully running multiple user equipment devices
- Conducted LTE live drives in 2.6GHz demonstrating handoffs and video streaming at [Mobile World Congress](#) and in [Sweden](#)
- Launched its state-of-the-art [LTE trial network](#) in Swindon in the United Kingdom
- Announced enhancements to its LTE product portfolio including its [eNodeB](#) that is both FDD and TD-LTE compatible, [evolved packet core](#) (EPC) and [advanced self-organizing network](#) (SON). Motorola's complete LTE solution is now commercially available
- Added to its list of industry firsts including:
 - First company to successfully complete and pass the [TD-LTE key functionalities test](#) initiated by China's Ministry of Industry and Information Technology (MIIT)
 - First [TD-LTE dongle](#) that will be unveiled at World Expo 2010 Shanghai China
 - First [live drive demo of TD-LTE at ITU World Telecom](#) in Geneva in October and demonstrating 82Mbps in a real-world environment (maximum theoretical data rate in that TD-LTE configuration)
 - First real-world LTE network with SON capability at its LTE trial network in the United Kingdom
 - First demonstration of [LTE in 700MHz](#) during a live drive demo at CTIA in Las Vegas in April

In addition to the KDDI and CMCC announcements, Motorola is actively involved in many Tier 1 and Tier 2 operators advanced field trials around the world in both FDD/TDD and in different LTE spectrum bands.

Motorola's WiMAX Commitment: Delivering Today and Investing for the Future with 802.16m

According to the WiMAX Forum®, there are 519 WiMAX networks deployed in 146 countries worldwide with more than 10 million subscribers. WiMAX is supporting a range of diverse business models including retail and wholesale access, smart grid applications, and retail-only broadband connectivity for users at home or on the go.

"WiMAX is a robust solution for providing broadband today in emerging markets as well as in more competitive developed markets. For example, WiMAX has the ability as a platform to meet the unique needs of operators like Clearwire in the United States and Imagine in Ireland," Brda said. "We believe WiMAX will continue to grow and its future path to 802.16m provides a way of delivering more bandwidth even more efficiently. In addition, we are planning new products in 2010 that will be geared for regional operators."

Motorola continues to be the leading WiMAX vendor since it entered the market in 2005. It now has contracts with more than 35 operators in more than 20 countries, the majority of whom have launched commercial service. In a [report](#) issued by Infonetics Research they stated that "Motorola takes the lead in the fast-rebounding WiMAX equipment and device market."

Recently, Clearwire deployed its [CLEAR™ 4G WiMAX service in Chicago](#), the latest of a number of markets across the U.S. using Motorola's network infrastructure, deployment, services and devices. Another Motorola customer, Time Warner Cable, launched its Road Runner Mobile 4G network service in several markets this month including: Charlotte, Raleigh and Greensboro, North Carolina, and Dallas, Texas. In the UAE, integrated telecom service provider '[du](#)' [launched its mobile WiMAX network](#) for the Dubai Metro. Motorola's WiMAX equipment provides mobile connectivity and effective backhaul for Wi-Fi traffic on the Dubai Metro transport system train carriages as well as in the Metro stations.

Motorola's 2009 WiMAX Highlights

- Stated its commitment to 802.16m including membership on the IEEE 802.16m leadership team and its contribution to the standard proposal submitted to ITU for inclusion into the IMT Advanced definition
- Hit milestone [shipments of 1 millionth CPE](#) and [10,000th WiMAX access point](#)
- Motorola's public key infrastructure (PKI) [Center of Excellence in San Diego](#) was selected by the WiMAX Forum to be a root certificate authority for WiMAX devices worldwide
- Launched [WiMAX Device Partnership Program](#), a service that helps device providers qualify their WiMAX products through Motorola's comprehensive interoperability testing (IOT) laboratories. This program supports a healthy WiMAX ecosystem by providing operators with greater access to WiMAX devices
- Introduced four new CPEs and one WiMAX Access Point (WAP):
 - [CPEi 775](#) that combines WiMAX and Wi-Fi, for the 3.5GHz band with support for the 5MHz, 7MHz, and 10MHz bandwidths
 - [CPEo 450](#), an outdoor unit that has integrated Voice over IP (VoIP) , for 3.5GHz band with support for 5MHz, 7MHz, and 10MHz channel bandwidths.
 - [CPEi 725](#) for the 2.5GHz band

- [USBw 200](#) for the 2.3GHz, 2.5GHz and 3.5GHz bands
- [WAP 650](#) with 4x4 antenna coverage
- Received WiMAX Forum certification on the following products:
 - [WAP 400](#) for 2.5GHz and 3.5GHz
 - [CPE/25150](#) (data only) for 2.5GHz
 - [CPE/25750](#) (data and VoIP) for 2.5GHz
 - WiMAX Access Point [\(WAP\) 25600](#) for 2.5GHz
 - WMT 1000

"Motorola's Home & Networks business has had a very productive and profitable year in 2009. With our proven experience deploying WiMAX systems, combined with an increasing portfolio of LTE products, we look to continue our leadership in both WiMAX and LTE as the promise of wireless broadband access becomes a reality for people around the world," Brda said.

For more information about Motorola's 4G solutions please visit our [4G Digital Press Kit](#). For more information about Motorola's WiMAX solutions please visit www.motorola.com/WiMAX. For more information about Motorola's LTE solutions please visit www.motorola.com/lte



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Motorola is known around the world for innovation in communications and is focused on advancing the way the world connects. From broadband communications infrastructure, enterprise mobility and public safety solutions to high-definition video and mobile devices, Motorola is leading the next wave of innovations that enable people, enterprises and governments to be more connected and more mobile. Motorola (NYSE: MOT) had sales of US \$30.1 billion in 2008. For more information, please visit www.motorola.com.

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