



Magticom - Cisco

On November 18, 2008, MagtiCom announced the introduction of a radically new technology now available in the Republic of Georgia. Mobile WiMAX service based on 802.16e was launched in the capital city of Tbilisi, as well as in Batumi, Telavi, Gori, Rustavi, Akhaltsikhe, Kutaisi, Ozurgeti, Oni, Poti using 3.5 GHz spectrum.

Magticom is using WiMAX for providing Internet access across vast territories without DSL service. It is most efficient when used in places where wired communication is either economically unjustified or actually impossible.

The number of WiMAX stations will increase, and by the end of 2009 MagtiCom's WiMAX network will cover all the big cities and regional centers of Georgia.

Magticom has built their network using network equipment from Cisco, from desktop subscriber modems, to base stations and IP infrastructure. Cisco's wireless solution uses Adaptive Beamforming, which when combined with MIMO (Multiple Input, Multiple Output) can double the coverage area and greatly enhance in-building service, while also doubling the cell's throughput.

Eastern European and Asian cities differ from many North American and Western European cities by the large proportion of residents who live in high rise apartments. Often these apartments are built from steel reinforced concrete, which tends to block radio signals from entering the building. Traditionally Service Providers had just two choices to address this problem – they either "blast" a signal at high power through the walls, or "sneak" the signal in over copper wires, using repeaters or femtocells. Cisco's Adaptive Beamforming is used by Magticom to strengthen the signal delivered to a user by up to 100 times, making it especially useful for these environments.

MagtiCom is dedicated to bringing the latest technological standards in the internet space to Georgia. The service they launched is not only the country's first WiMAX offering, but it is the fastest internet connection available in Georgia to date.