

Optiway Joins HomesNet Project, European Union Consortium developing Integrated Telecommunication Systems for Home Networking

Setting the foundation for convergence of fixed-mobile networks for 3G, LTE , WiMAX, and IMT -Advanced towards Future User Centric Broadband network consolidation

Rosh Ha-Ayin, Israel, May 3, 2010 –Optiway Integrated Solutions Ltd. (Optiway), an innovative provider of In-Building Wireless (IBW) cellular coverage, announced today it has been selected by the [European Union's Celtic group](#) to join the HomesNet Consortium dedicated to developing Integrated Telecommunications Systems (ITS) for home networking. Optiway's extensive In Building Wireless and optical fiber know-how shall greatly contribute to the simplification and implementation of the HomesNet project.

The number of In-Building devices requiring broadband wired or wireless communication connections in residential homes, as well as business buildings, is growing rapidly. New services such as Very High Definition Video, teleconferencing, transfer of large files, network-hosted applications and storage, are driving the need for higher data rates from network backhaul infrastructure, through to the last mile, and finally, the user.

This need necessitates the cooperation of the core network and the in-building network and is the focus of the European Union's Celtic HomesNet consortium. The HomesNet initiative is a consortium coordinated by Alcatel – Lucent consisting of organizations such as France Telecom, Deutsche Telecom, Telefónica Moviles, British Broadcasting Corporation, Nokia, Motorola, Ericsson, universities and small-medium enterprises.

Through this exceptional cooperation, the Celtic HomesNet Project is setting the foundation for the convergence of fixed-mobile networks and local area evolution towards 3G, LTE, WiMAX and International Mobile Telecommunications (IMT)-Advanced, known as 4G.

The most common interface connecting the core network to the in-building network is the Home Base Station (HBS). An HBS is characterized by low costs, plug-and-play installation, low transmission power, use of existing fixed broadband backhaul and secure line by limited access to a closed user group such as household members. Mass adoption of HBSs will strongly influence the local area evolution towards IMT-Advanced, and create new business opportunities in the Telecommunication industry. However, the possible unplanned nature of the HBS installation and operation, coupled with the need to co-exist with conventional mobile wireless networks, makes the HBS concept technically challenging. Optiway, as part of the HomesNet project, will address these challenges as well as actively contribute in the regulatory and standardization initiatives that serve to bring the HBS concept to the forefront as a mainstream in-building solution.

“The results of the HomesNet project are likely to be of interest to the broader community beyond the HomesNet consortium in both academia and industry, thus stimulating further research and development in the infrastructure, services and management aspects of the HBS concept” said Dr. Yossef Ben Ezra, Optiway's Chief Scientist.

Optiway takes on this opportunity to lead the HBS local area evolution together with the HomesNet consortium, driving new business opportunities beyond existing services and technologies while guiding and supporting standardization activities in the field.

About Optiway

[Optiway Ltd.](#), founded in 2004 successfully introduced optical multi-service solutions for In-Buildings Wireless communications, based on its unique patented optical technology, OTDMLL.

Optiway offers elegant, cost effective solutions that enable service providers and property owners to extend coverage and provide in-building cellular communication.

Optiway's solution multiplexes sources from different technology standards and different operators on a single fiber. The company's products are technology agnostic and field proven with all common cellular technologies, in multiple frequency bands. As a result, Optiway delivers high capacity systems that are easy to design, deploy and maintain and drastically reduce the total cost of ownership.

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