

Optiway Unveils RefAccess, a Laserless Remote Optical DAS Solution at Mobile World Congress, Barcelona

True convergence of the mobile and fixed wireless services over a universal optical communication system.

New solution with R&D financial support of the Israeli Chief Scientist

Rosh Ha-Ayin, Israel, February 8, 2010 – Optiway Integrated Solutions Ltd. (Optiway), an innovative provider of In-Building Wireless (IBW) cellular coverage, announced today the unveiling of the RefAccess, a breakthrough innovation of In-Building technology at the Mobile World Congress 2010, Barcelona, Spain. The RefAccess, a patent pending laserless remote optical DAS solution, removes active elements from the remote units, thus reducing the units' complexity and cost, as well as simplifying the entire project.

Wireless in-building coverage of the end-user domain has become an essential part of broadband communication networks especially for newer technologies such as WiMAX and 3G Long Term Evolution (LTE). In order to offer integrated broadband services, combining voice, data, video, multimedia services, and new value added services, these systems will need to offer higher data transmission capacities well beyond the present-day standards of wireless systems.

The need for increased capacity per unit area leads to higher operating frequencies and smaller radio cells, especially in in-door applications where the high operating frequencies encounter tremendously high losses through the building walls.

With Optiway's patent-pending RefAccess, not only is the remote unit cost significantly reduced and the installation and maintenance simplified, but the Mean Time Between Failures (MTBF) of In-Building Wireless systems is significantly increased. Furthermore, applying Optiway's unique patented Optical Time Division Multiplexing by Locking Laser (OTDMLL) technology to RefAccess, Optiway increases coverage quality and avoids crosstalk between up and down links. RefAccess also offers a fast return on investment, and considerably reduces the emitted radiation power from the root unit antenna, making it environmentally friendly.

"The majority of users now believe in the notion of "always on" communication. As the concept of broadband communication has caught on and as fiber penetrates closer to the end-user environment, wired transmission speeds will continue to rise" Said Mr. Ofer Reviv, CEO of Optiway. "The demand to have this broadband capacity also wirelessly has put pressure on the wireless service providers to increase both their transmission capacity, as well as their coverage and Optiway's RefAccess is here to facilitate this need."

"Commonly, there is a painful tradeoff between coverage and capacity" said Mr. Effi Bergida, Joint Head of the Communication and Electronics Section in the Office of the Chief Scientist (OCS), "Optiway's RefAccess addresses the challenge by providing high-speed transmission and data rates of up to 10 Gbit/s thus providing high capacity, high coverage and high quality communication".

"Communication is one of the strongest areas in Israel's high-tech industry. In 2009 this area received 32% of the OCS R&D grants" said Dr. Eli Opper, the Chief Scientist at Israel's Ministry of Industry, Trade & Labor. "Optiway's solution is one of the many promising projects being financially supported by the OCS. The projects are mainly evaluated by their level of innovation and business potential".

At the Mobile World Congress 2010, Barcelona, Spain, Optiway will be showcasing our AllAccess, AllRep, AllMax optical-based In-Building Wireless systems and Optiway's management application, the OPTiMOS. With an advanced single-fiber design, our products simplify the project from design through deployment and ongoing maintenance. As a result, a

scalable, high quality solution is achieved at a much lower total cost of ownership (TCO) and decreased power consumption and radiation levels.
Come see us at Hall 2, booth C72.

About the Office of the Chief Scientist:

The Office of the Chief Scientist (OCS) at the Ministry of Industry, Trade and Labor is the Government of Israel agency to support technological R&D, entrepreneurship and innovation from the earliest idea stage through the entire value chain. The OCS have targeted programs at the initial phases in the flow of knowledge and basic ideas (Pre-Seed), to early stage proof of concept (Seed), through support of pre-competitive R&D and finally support for competitive R&D. The ultimate mission of the OCS is to enhance Israel's human resources and foster competitive advantages for industry in the increasing globalized economy.

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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