

RADWIN Reveals a Broadband Wireless Mobility Solution Securing Real-Time, High Quality Video Surveillance for Metros

- RADWIN's solution overcomes the main barriers for train-to-ground communications -

Tel Aviv, Israel, April 28, 2011 - RADWIN (www.radwin.com), the global provider of Backhaul and Broadband Wireless Solutions, today released a unique and cost effective solution that provides high capacity wireless connectivity for moving trains. RADWIN's Wireless Mobility system was designed to operate in intense mobility environments, delivering up to 30Mbps net throughput for vehicles moving at speeds of up to 150Km/h (to be extended up to 300Km/h).

Uniquely designed to enable high-speed communications with fast moving trains, RADWIN's Mobility Solutions assure reliable delivery of real time, high capacity, high quality video streaming for surveillance purposes and a range of applications including Train Control, Passenger Information systems, Internet access, on-board entertainment, advertising and more.

Using this solution, fixed Base Stations are deployed every 2-10 km along the track while mobile units are placed on the moving train. RADWIN's unique technology ensures seamless communications and smooth handover between the base stations, even when travelling at extremely high speeds. RADWIN's Broadband Wireless Mobility solution utilizes frequencies between 2.3 - 6GHz in license-free and licensed.

RADWIN's President and CEO, Sharon Sher, says: "Having deployed over 200,000 Telco Grade radios across the globe for fixed applications, RADWIN has now leveraged its vast broadband field experience to develop a technologically advanced wireless mobility solution to address the growing demand for effective and reliable broadband communications with fast moving vehicles, like trains. Such "Mobility applications" are driven by the growing demand for security measures on trains and the need to deliver high quality video from moving cars. Having introduced this solution for several projects of this type, there is a sincere interest from several sources for this application as well as for similar applications requiring high-speed broadband mobility communications".

Technical highlights of RADWIN's Mobility solution include:

- Bi-directional high capacity with data transmission rates of up to 30Mbps net aggregate throughput
- Low, constant latency (<3ms) regardless of traffic overload or spectral interferences
- Wide range coverage with installation ranges between Base Stations of up to 10 Km
- Work in nLOS/NLOS & Harsh Environments utilizing MiMO and OFDM technologies
- End to End Quality of Service
- Compliant with European onboard standards
- Simple Installation and Maintenance

This solution is also suitable for trains, trams, light rail, trolley cars, airport trains and similar transportation means.

About RADWIN

RADWIN provides sub-6GHz wireless broadband systems that empower carriers and service providers to connect subscribers everywhere. Whether voice, data, or video streaming, the company provides wireless broadband

solutions of unrivaled performance, capacity, range, and quality at the most competitive prices. Established in 1997, RADWIN has installations in over 130 countries around the world.

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