



## Case Study: *High Speed Internet Access Onboard Trains*

**RADWIN Provides High-Speed Internet  
Connectivity to Passengers on the Move**

### **Customer**

Leading rail operator in Europe.

### **Partner**

Bynet Data Communications.

### **Customer Requirements**

Provide high-speed Internet access onboard trains to enhance the passenger experience.

### **The Chosen Solution**

RADWIN 5000 Mobility.

### **About the Project**

A major rail operator in Europe wanted to improve services by providing passengers with continuous high-speed Internet access. The RADWIN 5000 Mobility solution was chosen because it delivered the highest throughput when compared to competitor solutions while enabling full network operation over a single 20MHz frequency channel.

Today RADWIN 5000 provides high-speed connectivity to trains travelling at speeds of up to 170 Km/h along 1600 Km of track where over 270 RADWIN mobile base stations are installed. RADWIN 5000 Mobility enables the rail operator to offer multiple services such as high-speed Internet and advanced multimedia services to the benefit of passengers onboard the trains.



*“RADWIN’s Mobility solution delivers the highest capacity on the market today, and boasts a full-feature set that makes it ideal for delivering high-speed Internet aboard trains.”*

Zvika Shkiller, Deputy General Manager  
Bynet Data Communications

## The Results

- » Ability to deliver high-speed Internet access and multimedia services
- » Enhance passengers' travel experience
- » Passengers can stay connected and utilize commute time to remain productive
- » Over 30 Mbps throughput per train & wide-area coverage

*"The results achieved in this project are a breakthrough in the transportation segment where other technologies such as 3G, WiFi and WiMAX simply failed to deliver these results."*

Roni Weinberg  
EVP Global Business & COO  
RADWIN



## About RADWIN

RADWIN is a leading provider of sub-6 GHz wireless Point-to-Point and Point-to-Multipoint solutions that deliver voice, video and data with unmatched high-capacity for long ranges. Deployed in over 150 countries, RADWIN's solutions power applications including backhaul, broadband access, private network connectivity, video surveillance transmission as well as wireless broadband in motion.

## Corporate Headquarters

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## Why RADWIN 5000 Mobility Was Chosen

- » Delivers the highest capacity, exceeding rail operator's expectations
- » Outperformed all other tested solutions
- » Extremely fast set-up and deployment times
- » Solution customization to enable full network operation over a single channel
- » Operation in extreme weather conditions typical to area

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