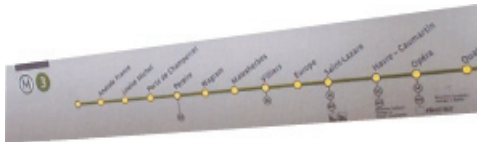


2.45GHz

High-Performance

SOUND & VISUAL ANNOUNCEMENTS

RATP - Subway of Paris, France



CHALLENGE

- Dynamique identification of the trains in a severe environment
- Offer a solution based on an on-board reader, tags being installed on train tracks

BENEFITS

- Information for passengers' comfort
- Facilitate the accessibility to disabled passengers
- Real time localization of the subway

The lines #1, 3 and 13 of the Parisian subway handle thousands passengers each day. At the time of the restoration of these lines, the RATP wished to install a system of sound and visual announcements of the stations, offering real time information for passengers' comfort and improving the accessibility of the trains to blind or deaf persons.

The RATP decided to offer this service to its passengers by introducing the HYPER X™ identification system from BALOGH. Each station of these lines is equipped with two tags (one for each direction) which are placed in a special tag housing on the train tracks. A compact reader installed on board of each train is equipped with a remote antenna which allows to identify the tags when the train arrives at the station. The identification triggers an announcement and lights a green led on the on-board control panel.

The HYPER X™ tags and readers are robust and vibration-resistant. The antennas are unobtrusive and easy to install.

Performances of the solution:

- High speed identification, over 100Km/h
- Well-defined identification area, directional antenna
- Id. insensitive to the environment, total data integrity
- Random frequency hopping for no interference
- Semi-passive tags: warranted life-time

