

Rail Service Net (RSN) – RFID Solution

The company

RSN specializes in innovative Mobile Rail Solutions and provides the maintenance and repairs of train wagons and locomotives.

Principal challenges:

- Quick updates on where the wagons are located.
- Wagons are spread out over 6km of tracks.

The solution

All wagons are equipped with an RFID tag. RFID readers are placed at multiple locations along the tracks. Combined with smart user software, this allows RSN to quickly retrieve the correct location of a wagon.

The benefits

Thanks to the RFID solution, RSN is now capable of quickly finding the wagons. This results in a significant time save. RSN is also ensured of a futureproof system.

Microtron as partner

Senior students Robbe and Arno of Gitok Kalmthout found the knowledge, expertise and willingness to collaborate at Microtron. This allowed them to propose a successful integrated test (GIP).



QUICK FACTS

Industry:

- Railway

Challenge

- Wagons are spread out over 6km of tracks

Solution

- 200 tags
- 8 antennae
- 4 readers