

## **TagMaster RFID for Automatic Vehicle Identification in the Hamburg Metro**

### **Summary**

To improve the service for passengers and optimise the control processes in the Hamburg Metro, Vossloh Information Technologies has provided a system for total operations monitoring and control. A central part is the RFID system from TagMaster, which is used for automatic identification of the trains. After thorough evaluation of several RFID suppliers, Hamburg Hochbahn selected TagMaster for the project.

### **Challenge**

The requirement was not only to get the highest reliable train identification but also a function to know the direction of the train. The readers, which had to be mounted on the sleepers, along with the ID-tags mounted underneath the trains, needed to be both mechanical as well as physically robust.

### **Solution**

In close cooperation TagMaster, Vossloh Information Technologies and Hochbahn developed the S1569 Track Reader with a special function for direction detection of moving carriages. The reader was specifically designed for mounting on to the sleeper. Integrated to Vossloh IT's state-of-the-art operations systems for railways this system will provide efficient management of all trains, allowing significant personnel cost savings and enhanced train service quality.

### **Conclusion**

Thanks to a great cooperation between all parties, a reader has been developed that fits Hamburg Hochbahn's need for a successful operation control system. The project includes 800 Heavy Duty ID-tags mounted under the trains and sleeper mounted readers at 190 different locations.



### **Products used:**

S1569 HD Track Reader  
S1456 HDS MarkTag  
S1510 Handheld Reader