Further Information

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Our offer

The implementation of the application standard is becoming increasingly important for suppliers in the rail sector. On the one hand, to fulfill the customer's requirements and, on the other hand, to use the multitude of potentials for their own company. The timely establishment of adequate processes and technologies increases your competitiveness with regard to future tenders.

At first glance, the application standard may seem very complex. In order to ensure a technically sound and resource-saving implementation of the standard, our oneIDentity+ experts provide support from the **initial analysis** to the **comprehensive planning** to the **final implementation** in your processes.
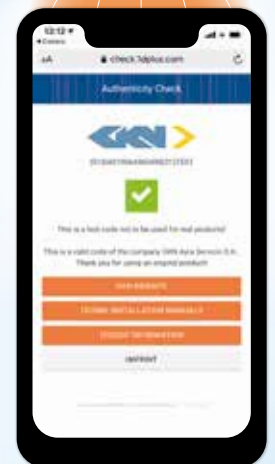
1 **Laying the tracks:** 1-day workshop to analyse your products, labels and IT infrastructure regarding the given requirements

- **Outcome:** Implementation concept and rough cost/time planning
- Fixed Price: 2.500 €

2 **Set off:** Implementation support according to implementation concept in the role of project manager in cooperation with relevant service providers.

- **Outcome:** Fulfillment of customer requirements and clearance by client (labelling and data transmission)
- Scope: Requirement-specific (costs from the workshop are included)

Digital services (Example)

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Standardized Product labelling for Deutsche Bahn

A success story with OHB Teledata GmbH

Summary

The implementation of serialized labelling, which results from the current supplier conditions of Deutsche Bahn, poses great challenges for many suppliers in the railway sector. Questions such as „What do I have to mark and in what way?", „Where exactly does the code go?", „What exactly are GS1 standards?" or „Who will assure me that I am doing it correctly in the end?" are just some of the questions that companies are confronted with in the beginning of the project. This was no different for OHB Teledata GmbH. Here too, the company was faced with the decision of whether to tackle the issue internally and with an uncertain outcome or seek external help. In the end, they chose the support of the oneIDentity+ experts to successfully implement the project in an efficient and timely manner. This is the project report.

Opinions from the project participants

GS1 Germany GmbH
Thorsten Kirschner

Global Lead –
Center of
Excellence Rail

„The excellent and long-standing cooperation between GS1 Germany and oneIDentity+ was a major advantage for OHB Teledata in getting a number range allocated swiftly and completing the verification of the codes to be applied promptly. This time saving benefited the course of the project and the result; exemplary for successful synergies between GS1 Germany and our solution partners."

DB Netz AG
Seyfettin Cimke

Project manager
material tracking
(MaNaVe)

„We knew that the requirements on the supplier side would raise many questions. We were all the more pleased when we discovered that OHB Teledata had obtained experienced implementation support for the project team. We were able to answer concrete and competent inquiries directly and finally give the go-ahead for the delivery in good conscience. And that on the first try. A win for all sides."

OHB Teledata GmbH
Bernd Friedrich

Team lead CoC
OT security and
field networks

„The uncertainties of the first few days quickly subsided when we were confronted with the new requirements. After an initial information event, we were able to define the project scope very quickly with oneIDentity+ and from then on everything ran like clockwork. We had to take care of hardly anything and were able to notify DB Netz AG of the standard-compliant implementation in record time. Many thanks to all those involved in the project and especially to oneIDentity+ for their professional support."

Traceability

Digitalisation

Rail sector

Serialisation

Standards

Suppliers

Consulting

Project Management

1D+
oneIDentity+

Initial situation

For many years, railway operators as well as leading system houses have been dealing with the issue of standardized and part-specific product labelling in the railway sector. Deutsche Bahn has always been a driving force in this initiative, which is moderated and managed by the standardisation service provider **GS1 (Global Standards One)**. With the aim to optimise the entire value chain in the rail sector, the global application recommendation **„Identification of components and parts in the rail industry"** was integrated into Deutsche Bahn's terms of delivery. This also resulted in the requirement for OHB Teledata GmbH to label their network components with a corresponding serialised code.

This was the starting point and its implementation the declared objective for the project to introduce compliant labelling at OHB Teledata.
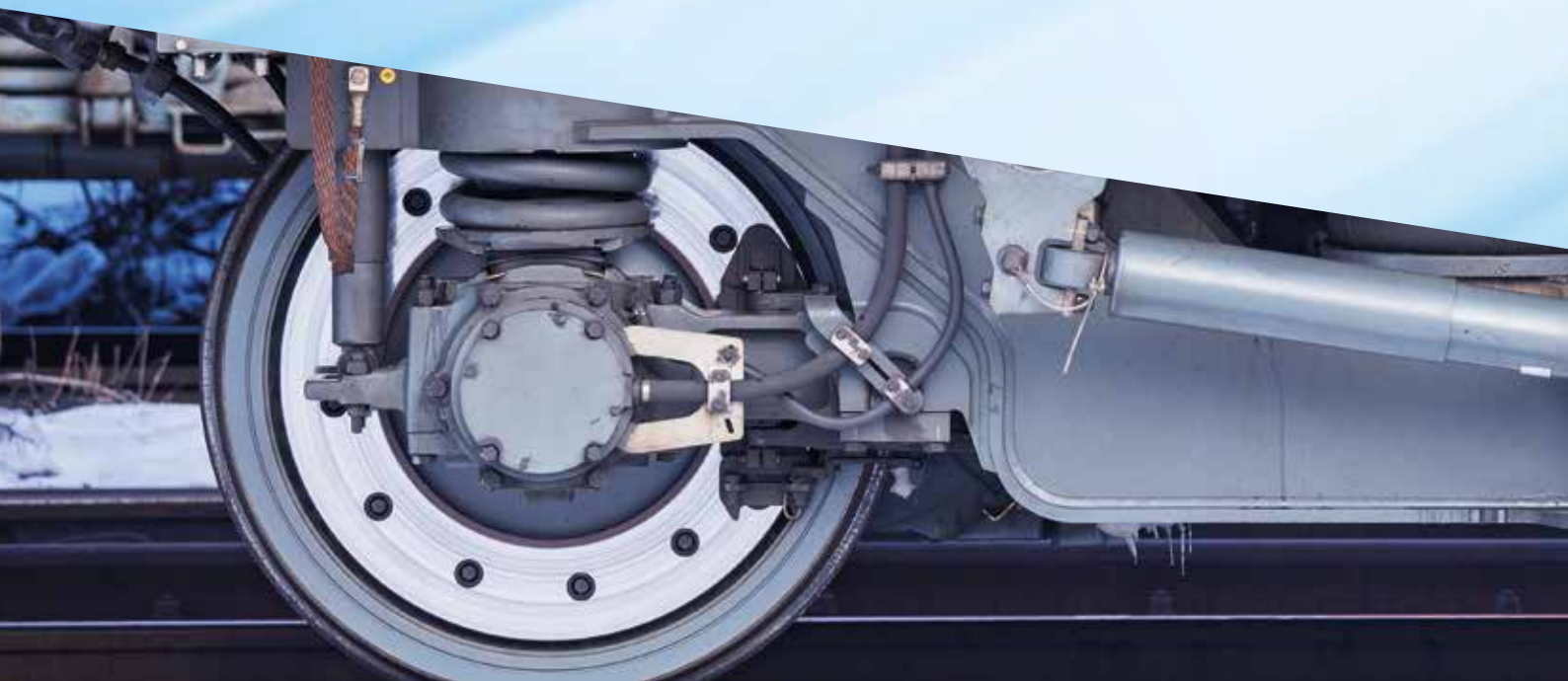
Project participants and expertise

In addition to **DB Netz AG**, as the customer and purchaser of the network components from **OHB Teledata GmbH, IESY GmbH** was also involved in the project as an external hardware supplier and marker of the type plates, alongside the standardisation organisation **GS1 Germany GmbH**. **oneIDentity+ GmbH** and its project manager were responsible for the coordination between the participants and the content of the project steps.

Through many years of participation in GS1 standardisation committees and in the development of the above-mentioned application recommendation, as well as through the participation and active design of a large number of **workshops with participants from the rail sector** (including Deutsche Bahn, SBB, Knorr-Bremse and Siemens), oneIDentity+ was able to draw upon a wide range of knowledge regarding the requirements of the rail sector and in terms of the implementation of GS1 standards.

Project execution

The implementation project **„ID@OHB"** was based on an inventory of the current labelling, the use of GS1 standards as well as the concrete requirements of DB Netz AG. Although the existing type plate on the network components already had a serialized encoding in the form of a one-dimensional barcode from an external service provider, the necessary GS1 standards had not been used so far.

This resulted in a detailed project schedule up until the clearance by DB Netz AG, which was worked through in the following three months:

1 The first step was to **request the GS1 Licence**, which was coordinated and prepared by oneIDentity+. Subsequently, the relevant IT departments at OHB Teledata and the external service provider were educated on the structure and railway-specific application of the GS1 standard.

2 In the second step, the **design of the type plate** was adjusted together with OHB Teledata. As a positive side effect, the previously encoded elements in the one-dimensional barcode - namely the serial number and MAC address - could be omitted, as they could now be integrated in the two-dimensional GS1 DataMatrix.

3 The general conditions identified in the talks regarding OHB Teledata's specific product were discussed in a direct exchange with the responsible parties at DB Netz AG. It was possible to agree on a **specific implementation alternative** in the interests of both sides which, on the one hand, does not unnecessarily increase the workload on the supplier side and, on the other hand, meets the requirements and objectives of DB Netz AG. For example, it was possible to agree on integrating the code into the existing, but laterally attached type plate, in deviation from the specific requirement in the delivery condition regarding the positioning of the code. Design changes and ultimately delivery delays could therefore be avoided to the benefit of both parties.

4 After a few test runs, the type plates could be physically submitted to GS1 Germany for code verification. GS1 Germany's service, with its **standardised test methods,** is generally regarded as sufficient for a **functional test** by DB Netz AG and DB AG. Minor changes to the code were recommended and implemented directly, so that the approval could finally be requested from DB Netz AG. This application was granted immediately and the products were released for delivery accordingly.

A successful project all round.

Project outcome

The result can be summarised quickly:

After a project duration of just under three months, full approval was obtained from DB Netz AG for serialised labelling.