GS1-compliant labelling solutions
for ID-in-RAIL

The global GS1 standard for labelling of safety-relevant subassemblies and components

SBB (Swiss Federal Railways) and other international rail operators have decided to implement standardised labelling. This guarantees a transparent flow of materials and information throughout their entire life-cycles, including production, storage, installation, operation and repairs.

This standardised labelling of subassemblies and components is based on the global, rail-specific GS1 standard. The globally established standard offers a lot of potential for rail operators, component manufacturers, system developers and end-customers. It brings benefits and more safety to processes, especially in the fields of maintenance, repairs and operations (MRO).

Profit from the experience and knowledge of a successful RFID/NFC specialist. *smart*-**TEC** supports you in all matters of ID-in-RAIL, RFID and 2D codes. We offer labelling solutions suited to every area, application and environment. Materials, AUTO-ID-technology, size, attachment type and printing are all adapted to each customer's requirements.

Product examples

smart-PLATE for ID-in-RAIL

Material: stainless steel (V2A)
Design: GIAI laser-engraved data matrix + plain text + colour logo
Chip encoding: in accordance to GS1-guidelines
Frequency: ETSI 868 Mhz / FCC 915 MHz
Colours: anodised into the surface (hard as glass; resistent to scratches, impact and weather)

Metal plate Aluminium

Material: scratch-resistant and extremly durable
Design: data matrix with high contrast + text + colour logo
Attachment: screws, rivets or industrial adhesive
Default: data matrix in accordance with GS1 guidelines

smart-LABEL

Material: thin foil or paper
Design: data matrix with high contrast + text + colour logo
Chip encoding: in accordance to GS1-guidelines
Frequency: ETSI 868 Mhz / FCC 915 MHz
Attachment: industrial adhesive
Default: data matrix in accordance with GS1 guidelines

Customised RFID & NFC transponders

As an expert in smart labelling solutions, we've been supplying customised RFID and NFC technology in every conceivable form for over 15 years. We use our expertise to develop and produce RFID/NFC transponders tailored to your requirements – shape, colour, size, print, materials, attachment and thermal, chemical and mechanical resistance.

Working together with our network of partners we increase the efficiency of your processes and procedures. We can use our expertise to get you ready for Industry 4.0 and the Internet of things (IoT).

Our core competencies:

- Robust, durable, industry-compliant, weather- and temperature-resistant RFID- and NFC-transponders – including for explosion-protected environments.
- Customer-specific RFID- and NFC-labels, printed or blank, with the most varied of chip technologies, frequency ranges and forgery- and tamper-proof features.
- Competent and comprehensive project consultation and support.

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