GS1 @ SNCF

ONE WAY TICKET TO DIGITALISATION

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KEYWORDS:

#GS1, #RFID, #DATA-MATRIX, #BARCODE, #MRO, #GIAI, #GLN, #GTIN



WHAT IS SNCF?



SNCF IN KEY FIGURES:

What is SNCF?

- 32,3 billion € annual turnover
- 5 millions passengers every day
- 150 000 employees, 250 000 for the entire group
- 30 000 km rails lines, with more than 2 800km high speed line included
- 15 000 trains every days
- 4112 Trains
- 450 TGVs,



We use to see SNCF like this....





Or like this...





But SNCF is also like this...

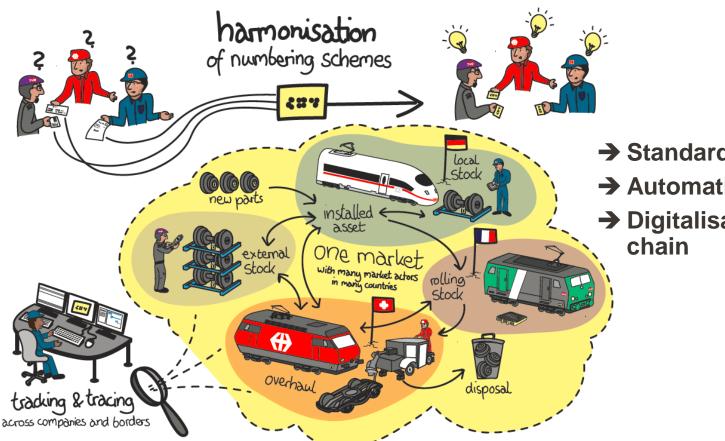






→ A complex supply-Chain with too many parts:
 20 000 referenced type of reparable parts (bogies, motors...)
 400 000 referenced type of parts for rolling stocks

What we need?



- **→** Standardisation
- **→** Automatization
- → Digitalisation of the supply

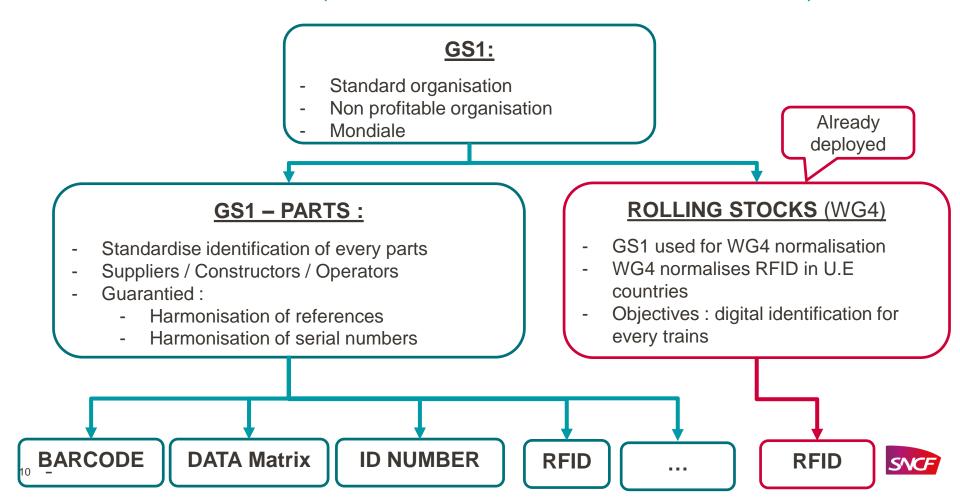


GS1 @ SNCF

FOR WHAT?



SCOPE DE GS1 - MRO (MAINTENANCE & REPAIR OVERHAUL):



HOW TO DEPLOY GS1?

GS₁

- Standardisation organisation
- Worldwide
- non for profit

TGV 2020 & RER-2NG

 2 new projects where implementation can be done from design to commissioning

Factory 4.0

- Parts identifications
- Digital workflow management
- Intelligent maintenance

Tracability installed parts

- Regulation compliance
- Better security management



GS1 FOR SNCF?

3 GOOD REASONS TO GO:

✓ THE IDENTIFICATION STANDARD IS READY TO USE IN RAILWAY SECTOR.









✓ A PROACTIVE NETWORK:







✓ DATBASE IS STILL UNDERDEFINITION :

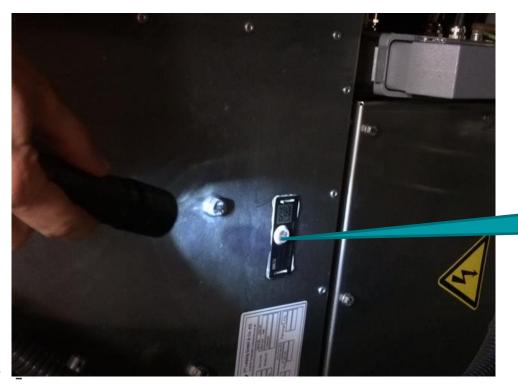




Great examples from SBB...



INDOOR PARTS EXAMPLE?





Air conditionning (RFID + GS1 DATA-MATRIX

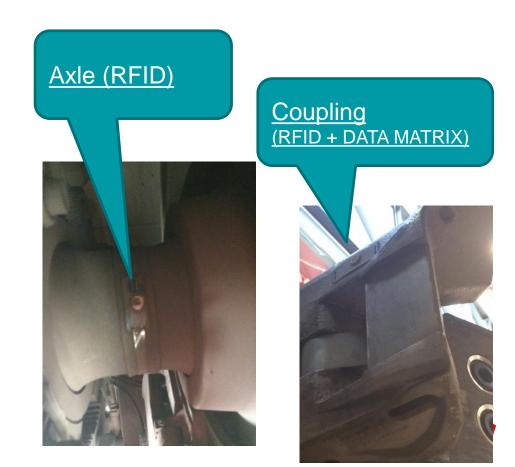


OUTDOOR PARTS ILLUSTRATION?



Bogies identification:

- GS1 compliant
- DATA-MATRIX + RFID
- Linked with SAP conf.



HOW TO IMPLEMENT THIS?

3 STEPS:

- 1. Convince internal high management → March 2017 ☑
- 2. Start practical experimentations → June & September 2017
 - ✓ TGV Air conditioning tags with GIAI → June 2017
 - ✓ TGV Nose Polyester external parts tags with GIAI also but with NFC Tech. → September 2017
 - Serialisation with GS1 of break system parts
 → planed for 2018
- 3. Bring suppliers on-board



AND NOW ...?



How can we bring suppliers on board?











« Let's organise a conference together! »













WHAT KIND OF PRESENTATIONS?

- Welcome & introduction
 François DEPREY (CEO GS1 France)
- Traceability challenges on a new project

 Pascal DESAUNAY (Director of TGV 2020 program SNCF)

 Annie SAILLARD (INDUSTRIAL & SUPPLY CHAIN VICE PRESIDENT ALSTOM)
- Benchmark from the healthcare sector on the adoption of GS1 standards Frédérique FREMONT & Gaëlle HENNERE (C.H.I. Aulnay sous Bois)
- The experience of SBB

 Dominik HALBEISEN (Senior supply-chain Manager SBB)
- Which gain for suppliers?
 Jan-Patrick PATER (Innovation & supply-chain manager Knorr Bremse)
- Questions / Answers

11h45 – 12h30 Networking lunch















WHO CAME?

100 ATTENDEES

+60 % NON GS1 MEMBERS

REPRESENTATION OF THE RAIL INDUSTRY IN FRANCE!



























AND OTHER SECTORS FACING THE SAME CHALLENGES...











How could we keep in touch...?

How could we keep in touch ...?



« GS1 dans le Ferroviaire » group LinkedIn group open to all!

Next meeting 1st of February 2018



ntenance et de réparation (MRO) • et la transformation numérique

Dans un contexte d'ouverture et de

- pour mieux répondre aux exigences des

Aller simple pour la digitalisation!



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