Reinventing rail freight with Lean digitalisation

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3rd operator in Europe
1.8G€ turnover
33 billions of tons-km
10000 employees
>1000 locos
30% OF RAIL FREIGHT IN 2030
Digitalisation is a key tool...

« We never talk enough about automizing painful tasks in railway. This has a strong effects on safety, human health and operations efficiency »

Sylvie CHARLES
...But the rail culture is hard to challenge
...But the rail culture is hard to challenge

INNOVATION
SOLVE A PROBLEM VIA NEW METHODS

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INVENTION
CREATE SOMETHING NEW (SERVICE, PRODUCT, …)
One successful example
The Digital Freight Train

8 AWARDS!
Create value for all the rail freight actors, by sharing solution - and its costs

FIRST CHALLENGES FOR QUICK ROI:

- CUSTOMERS INFORMATION ON E-PORTAL
- WAGON FLEET MANAGEMENT
- DIGITAL BRAKE TEST
- REMOTE CONTROL OF WAGON
1/ For customers satisfaction: multimodal and international information

**Supply Chain performance**

Real time position + ETA for each order

>5000 wagons are equipped

Customized information
2/ For wagons fleet managers: more efficiency for asset management

Fleet management and CBM = 10% to 15% minimum of savings
3/ For railway operators: automation of braking tests

A FIRST IN EUROPE: SNCF LAUNCHES DIGITAL BRAKE TESTING ON FREIGHT TRAINS

As part of its commitment to improve the rail sector’s competitiveness, Fret SNCF has just begun to conduct digital brake testing as a result of a two-year joint work with its partner TRAXENS to develop this technology.

Time savings, 1 person vs 2, safety, flexibility

Plug ‘n play, non-intrusive solution
4/ For shippers and wagons manufacturers: assistance on wagon

Better safety and efficiency

87 NEW WAGONS BUILT WITH REMOTE CONTROL OF THE OPENING OF THE WAGON FOR FRET SNCF
Towards autonomous freight trains

AUTONOMOUS TRAIN
+ DIGITAL FREIGHT TRAIN
= FREIGHT TRAIN OF THE FUTURE

IN LESS THAN 5 YEARS!!!
Thank you! for your kind attention