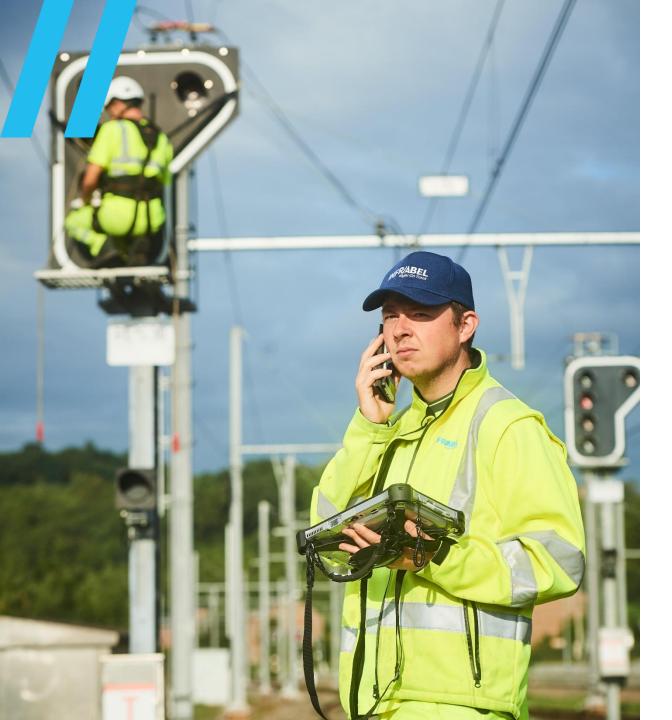


#### 16 November 2022 SAFETY AT WORK

Protecting rail workers from trains





#### **INFR/ABEL**

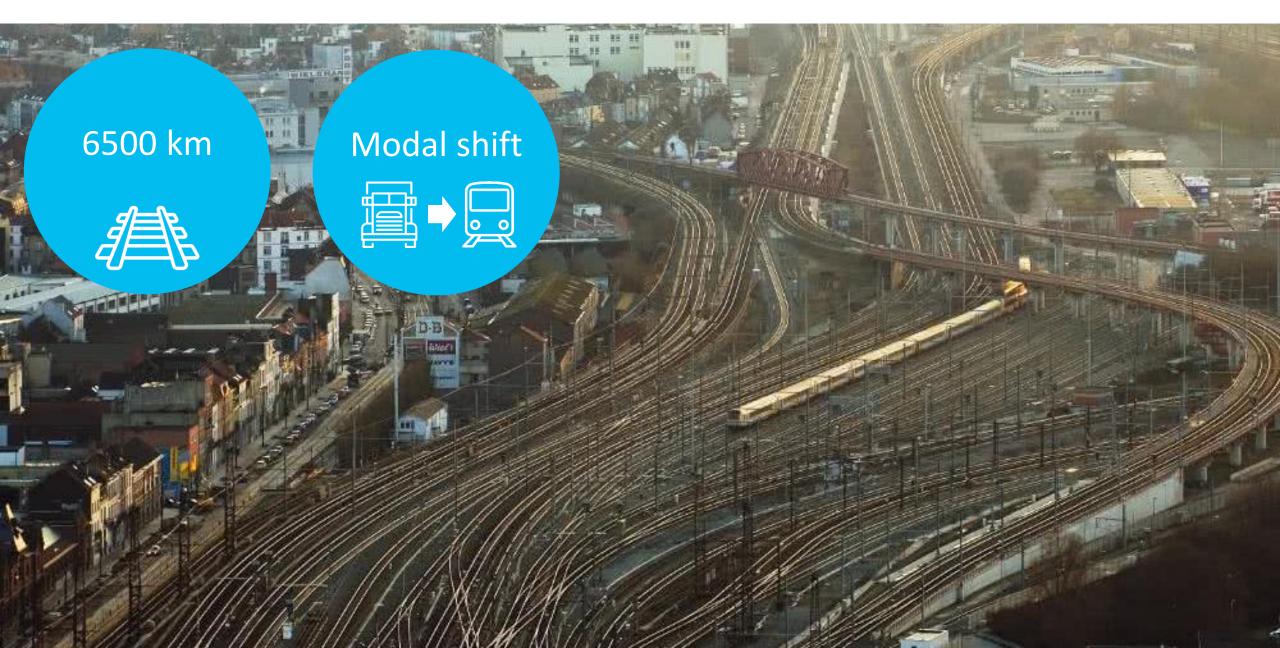
# **//Safer-W**

Digitalization and railway safety Rethinking worksite protection under ERTMS

Leslie Steen – Program Manager 16.11.2022



#### Infrabel



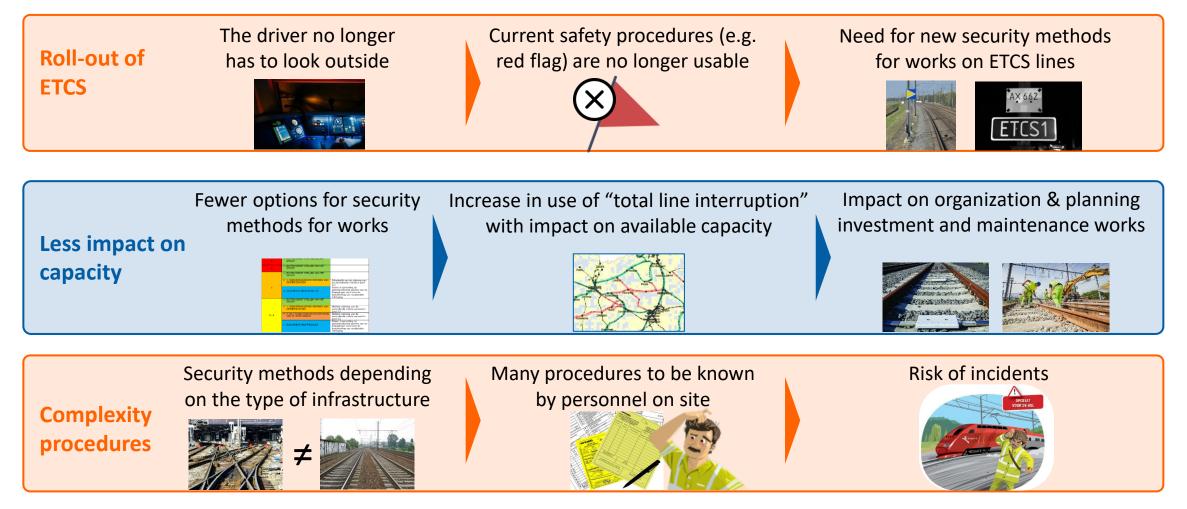
#### **Our ambition: full ETCS by 2025**



	km in dienst en service	km einde Masterplan prèvu par Masterplan	% al uitgerust déjà équipé
ETCS1 FS	1.984	2.726	73%
ETCS2 FS	215	2.361	9%
ETCS1 LS	351	1.170	30%
ETCS1+2 FS	142	142	100%
Tota(a)l	2.692	6.399	42%



#### The worksite protection challenge



Challenge accepted!

#### **Challenge accepted!**



#### A two step approach

## Today

2025

#### We have implemented workable and most efficient solutions everywhere to be able to perform works safely on our ETCS network

Paper safety procedures have been replaced by user-friendly digital alternatives We have implemented a **uniform efficient solution** for securing the railway works on our ETCS network

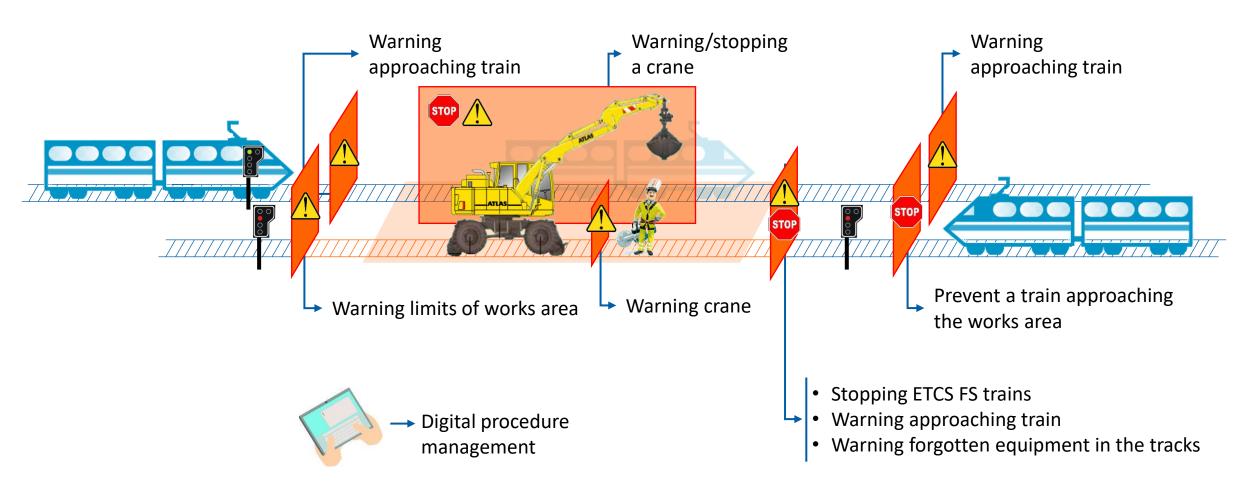
2030

The safety procedures are *integrated into the safety solutions* 

### By the end of 2025: safety in ETCS environment

More adapted security measures and digitization

procedures



#### Our vision: an "ETCS" for worksite protection

SPI: the Safety Protection Integrator





#### **Key Success Factors**

EULYNX



Worksite protection and ETCS, Reference CCS Architecture (RCA), EULynx



**Keeping up with technology** Building the bridge between online and on site



**Rethinking the process end-to-end** From planning to real-time



The human factor

Involving our stakeholders and convincing our people to protect themselves

Engage with us!

#### Engage with us!

