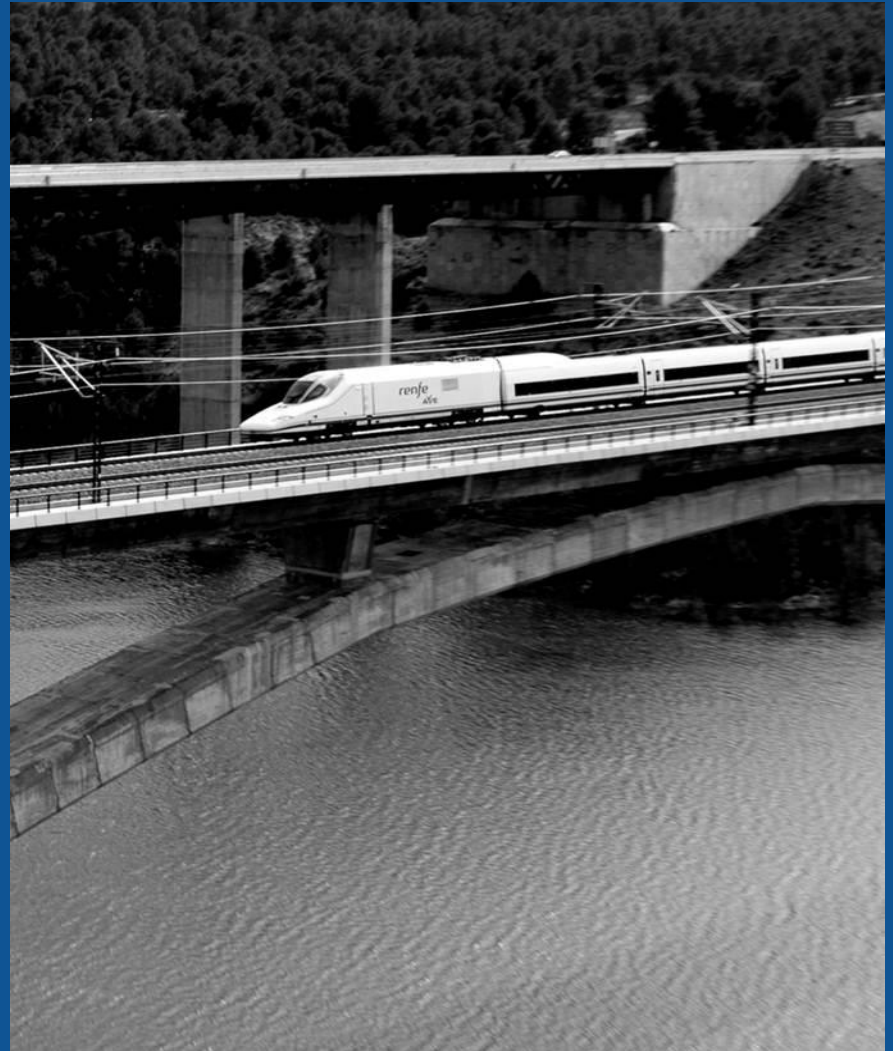


# ERTMS Action Plan - why do we need it?



# **ERTMS: impact**

## **DECARBONISATION**

**Interoperability => modal shift  
e.g. Capacity increase of 5-10%  
that will increase long distance  
freight traffic and short- and  
medium-distance passenger traffic**

## **DIGITALISATION**

**Backbone of digitalised rail  
network and basis for autonomous  
driving**

**New communication system for  
ERTMS defined by 2019**

**Key enabler for  
interoperability  
and  
competitiveness  
of rail**

## **GLOBALISATION**

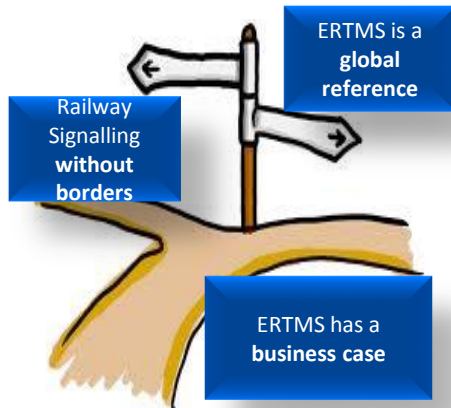
**EU deployment provides base  
for EU suppliers to sell  
worldwide e.g. Saudi-Arabia,  
Australia, Turkey**

## **PEOPLE-FOCUSSED SOLUTIONS**

**Benchmark system for rail  
safety  
  
e.g. commitment of BE to  
implement ERTMS nationwide**

# ERTMS: mature project

- › Several important recent achievements lay down the necessary groundwork for a much wider EU deployment



**Stable specifications:** SRS 3.6.0. is functionally complete

- Adopted by RISC June 2016

**4<sup>th</sup> Railway Package:** ERA will get new powers for trackside "opinion" and vehicle authorisation

- Powers commence June 2019

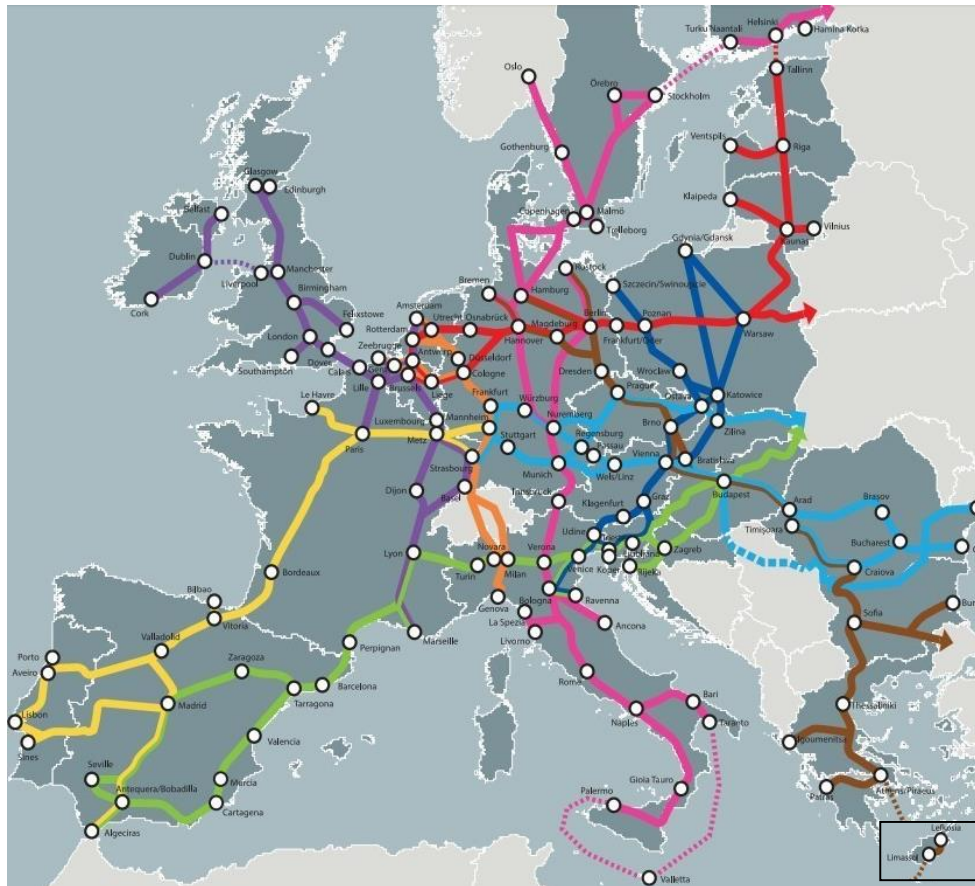
**EDP adopted:** EU-wide commitments to deployment










- >7200 km ERTMS lines operational by 2019, incl. crucial cross-border sections
- Advanced deployment plans in several Member States

**2016 MoU:** supporting a collective, disciplined approach

- Signed at Innotrans September 2016

# ERTMS has a positive business case.....

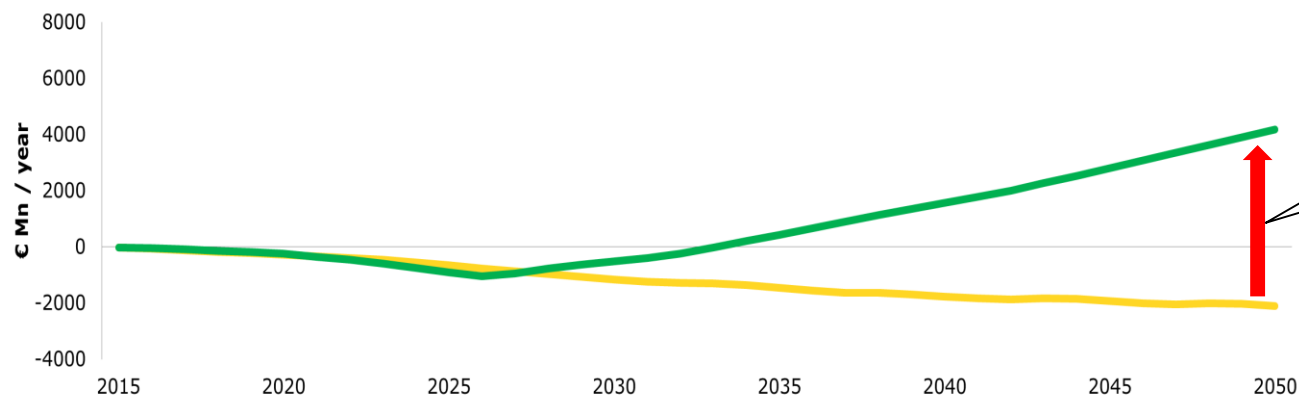




	Orient/East Mediterranean IRR: 15,7% / BEP: 2031
	Baltic - Adriatic IRR: 12,6% / BEP: 2032
	Rhine - Alpine IRR: 10,6% / BEP: 2033
	Rhine - Danube IRR: 10,6% / BEP: 2033
	North Sea – Baltic IRR: 11,5% / BEP: 2034
	Scan - Mediterranean IRR: 8,9% / BEP: 2035
	North Sea - Mediterranean IRR: 8,8% / BEP : 2035
	Mediterranean IRR: 6,1% / BEP: 2037
	Atlantic IRR: 10,7% / BEP: 2033

*BEP = Break-even point*

# .....based on a coordinated deployment

## Rhine- Alpine Corridor: business case



-  Coordinated deployment
-  Fragmented deployment

- Action Plan
- Targeted EU funding underpin a coordinated deployment driving positive business case benefits

## **Action plan: ensure interoperable deployment**

- › **Ultimate objective: reach interoperability in Europe**
- › **Building blocks are in place, but interoperable deployment requires more effort**
- › **Action Plan: Commission's position how to reach this objective**
- › **Forward looking analysis that defines specific actions, responsible actors and timeline**
- › **Consultation starts now – let us know your opinion!**