



 **17-21**  
Sept. 2024

 **Vienna, Austria**  
Aula der Wissenschaften

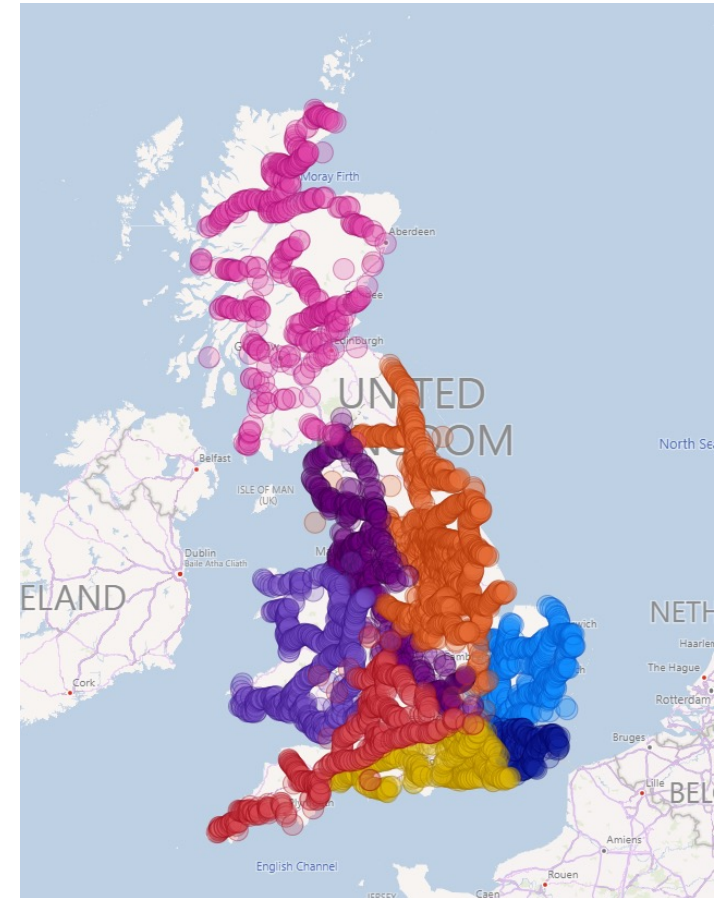
# The Level Crossing System in Great Britain: Risk Management Now and in the Future

Robert Wainwright – Head of Level Crossings and Public Safety, Network Rail



## Our System

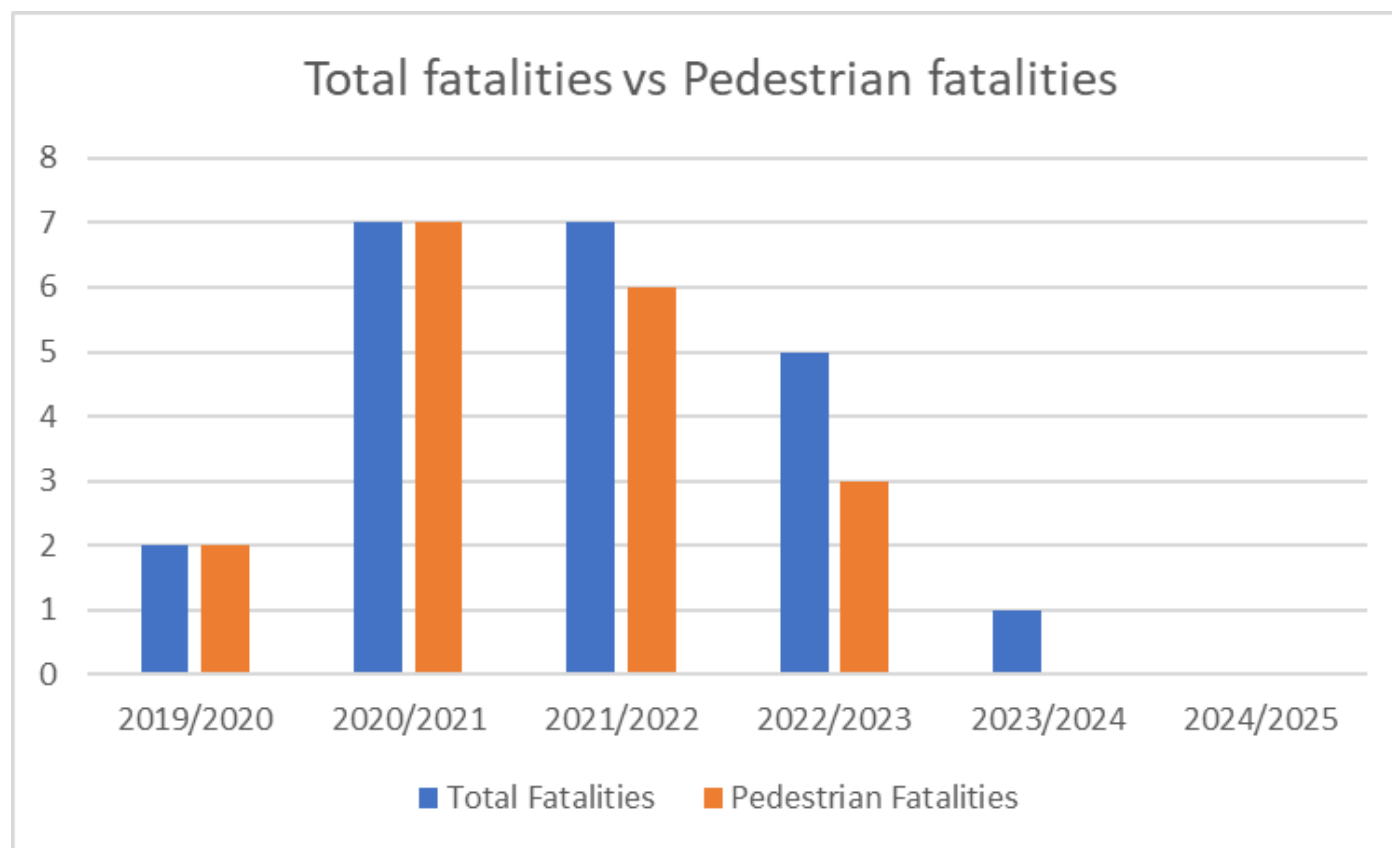
- 32,000 km (20,000 miles) track
- 30,000 bridges, tunnels and viaducts
- Over 1 billion passenger journeys
- 5745 level crossings
- 1386 level crossings closed
- 130 level crossing managers



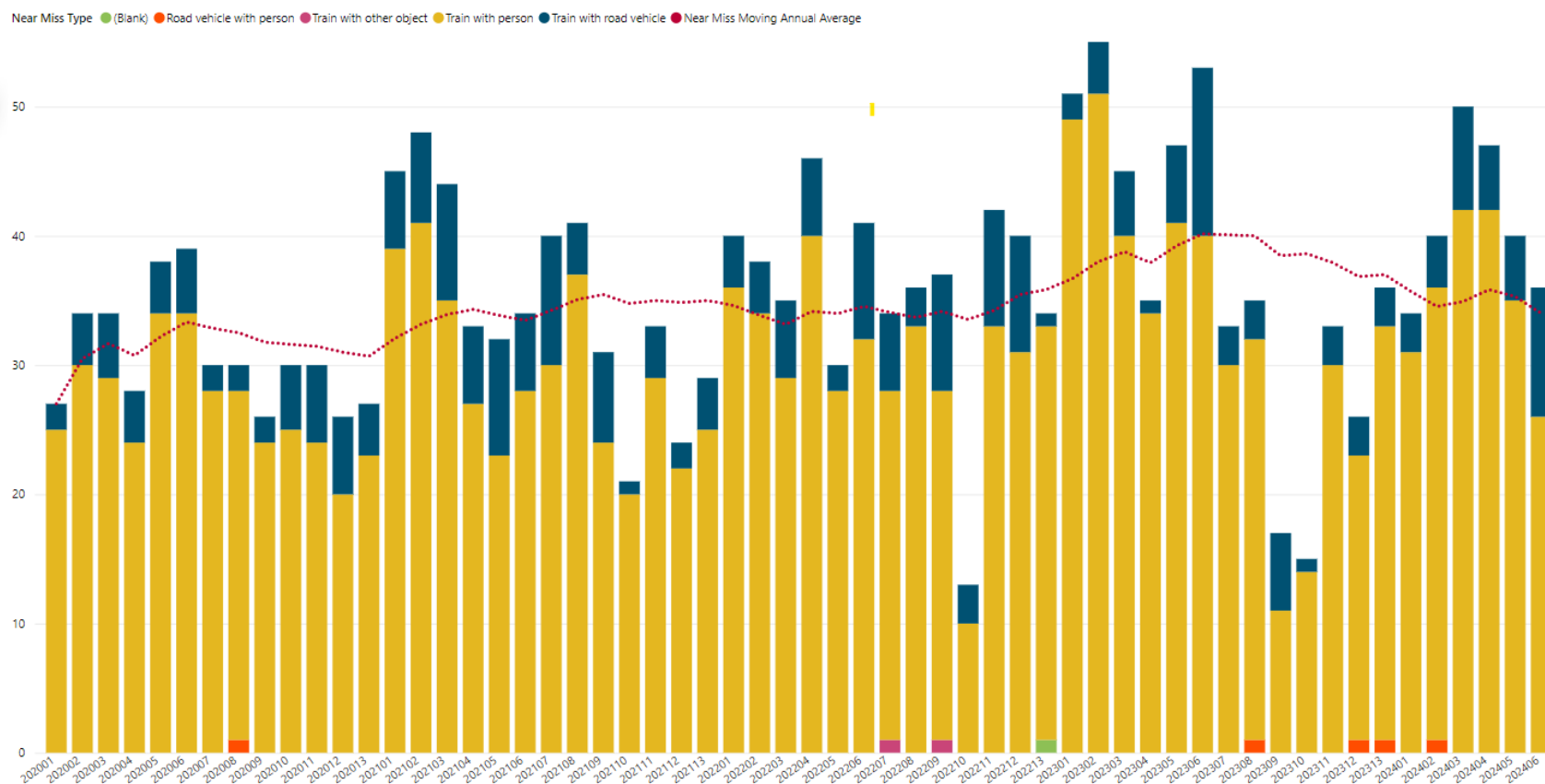
# Our level crossings



## Our Statistics - Fatalities

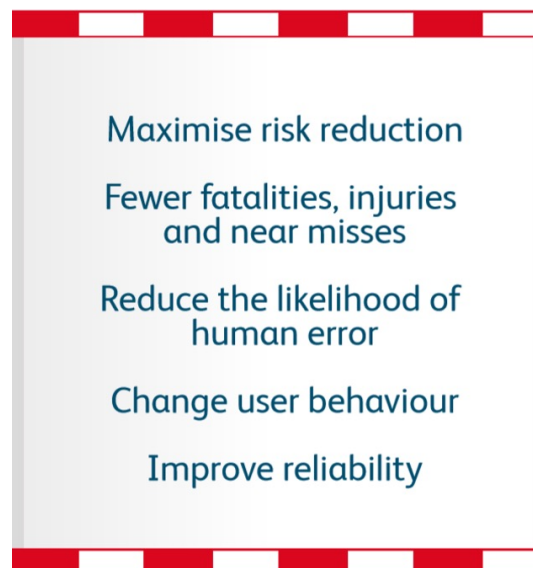
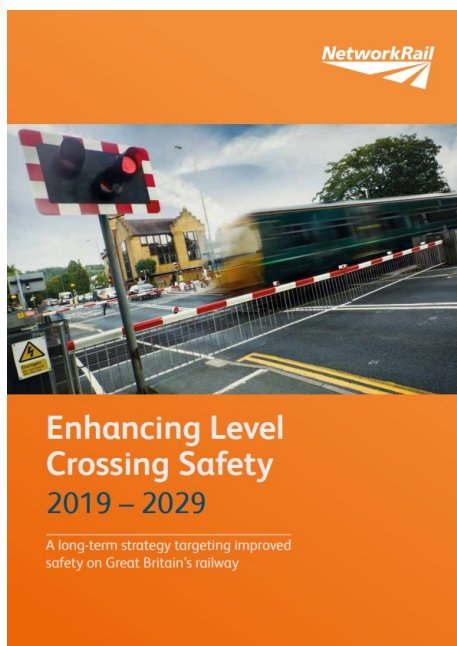


# Our Statistics – Near Misses

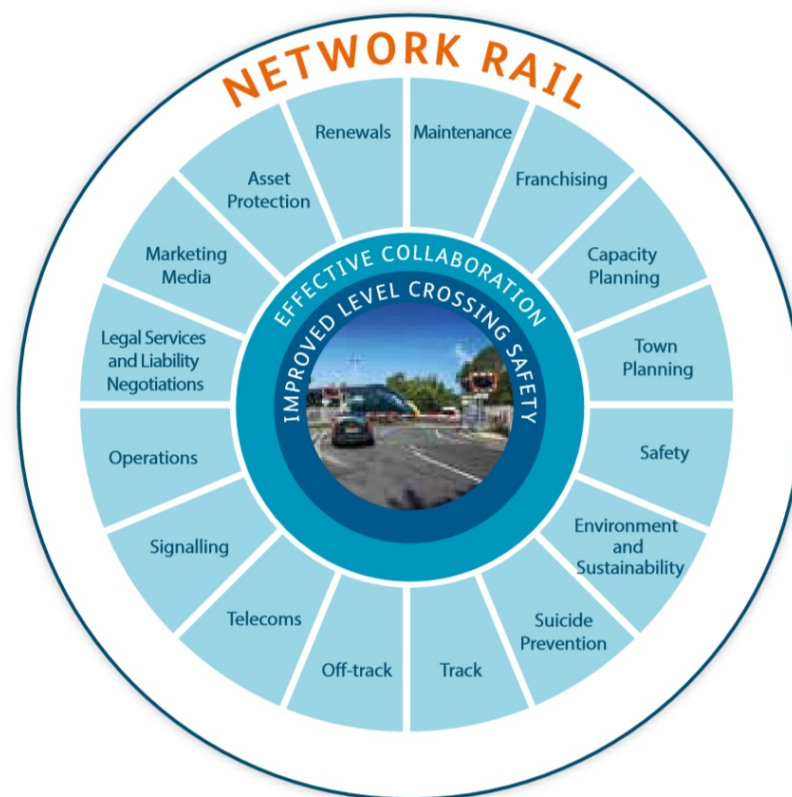




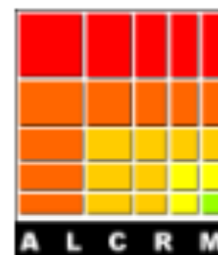
# Risk Management



# Risk Management



# Risk Management



- 1 Risk assess each individual crossing
- 2 The frequency of re-assessment should be guided by the risk at each crossing
- 3 Look beyond the level crossing
- 4 Think like the user
- 5 Engage with users and stakeholders
- 6 The numbers are useful, but they are not everything
- 7 Eliminate, Reduce, Control, Inform, Educate

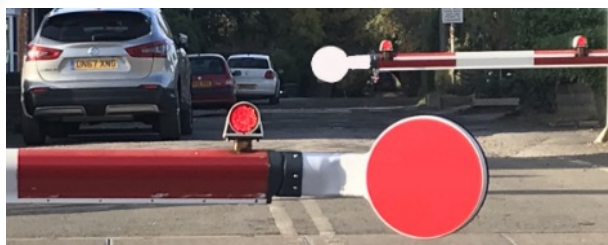


# Current Development Activity

- Lower Costs

**SCHWEIZER**  
ELECTRONIC

**WAVETRAIN**  
SYSTEMS



- Simpler, Better



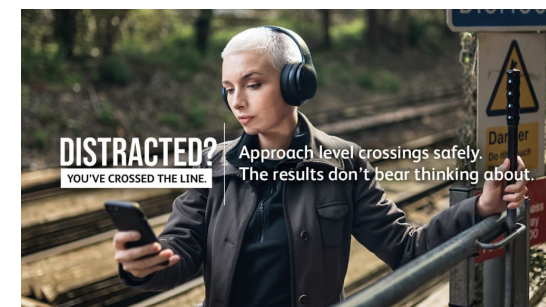
- AI



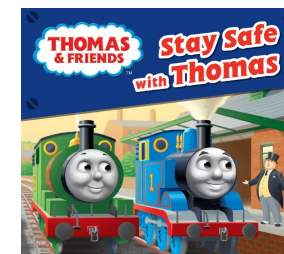
- Data improvement



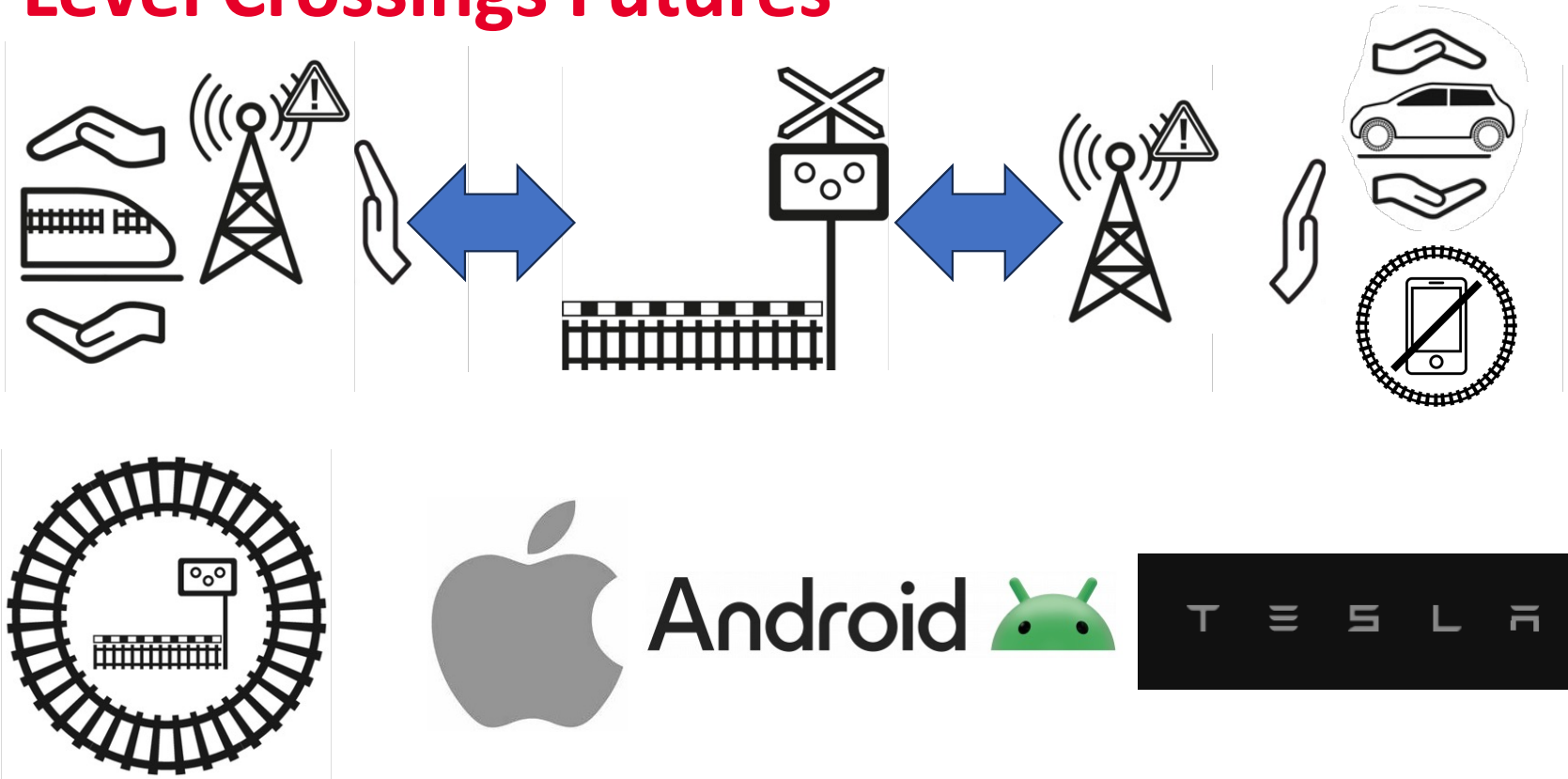
- Behaviour Change



- Education



## Level Crossings Futures





**Thank you for  
your attention!**

