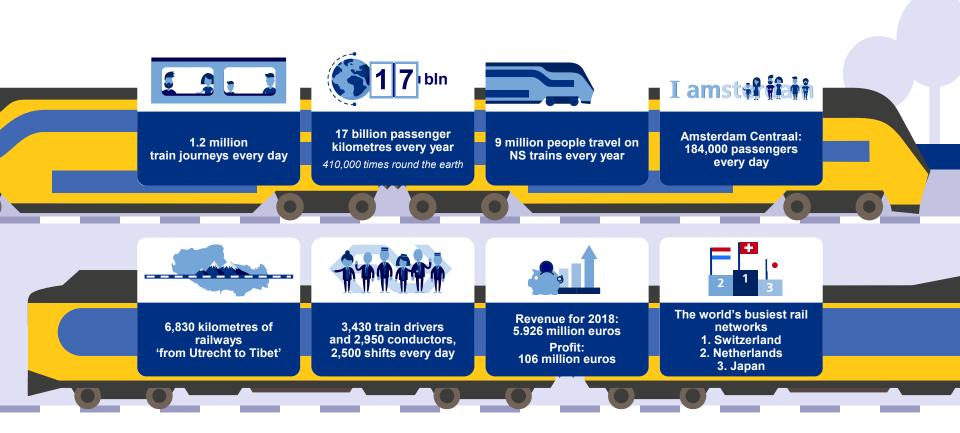


NS at a glance



Visual: Passenger trains per day in NL



Source: Yannick Brouwer

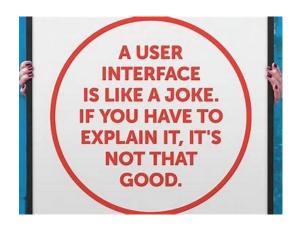


What is Human Factors?

Why UX research is important





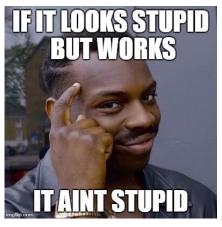




What is Human Factors?

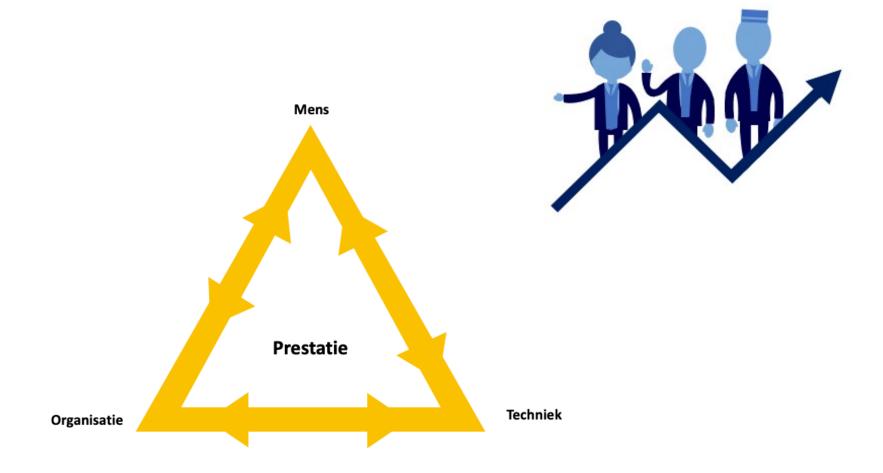








What is Human Factors?





Human Factors philosophy

Classic 'left-over' principle







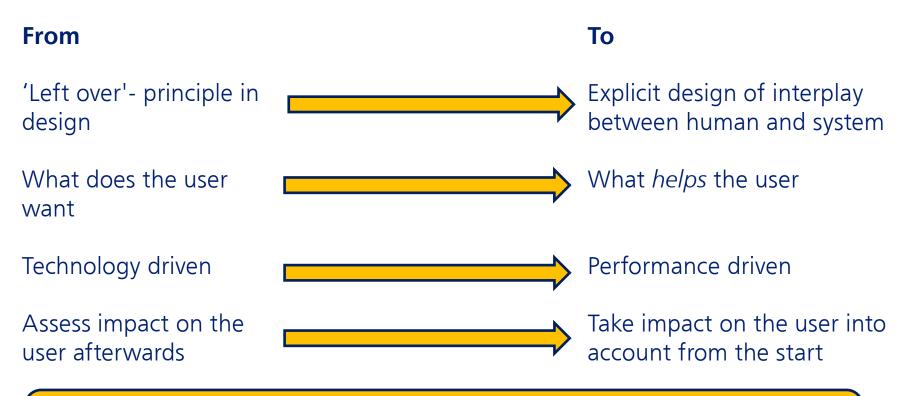
'Joint cognitive system'





Why does Human Factors expertise belong in projects?

Common misconceptions in projects and how to look at them differently:



By integrating the perspective of human/ end user from the start of the design or process improvement, the conditions are created for a successful end result.



What are the benefits of Human Factors?







So... What exactly do we do?



Develop interplay between human and technology in designing innovations



Research impact on human factors (simulator, eye tracker, design experiments)



Study the impact of changes on human factors (i.e. new train designs, organisational changes)



Incorporate human factors requirements in innovations



Develop and implement human factors interventions with impact (i.e. fit to drive toolbox)



Support incident investigations



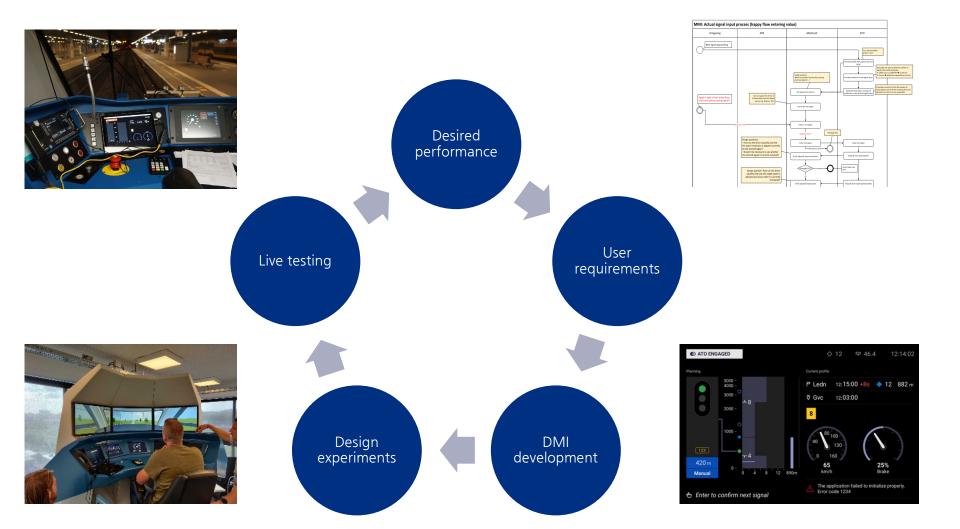
Develop long term strategies and knowledge in the field of human factors. Knowledge sharing



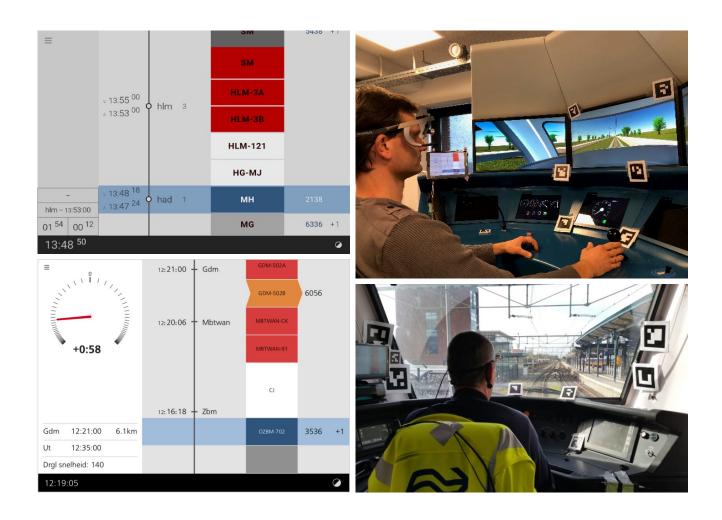
(Inter)national cooperation with experts in the field of railway and human factors



ATO human machine interaction



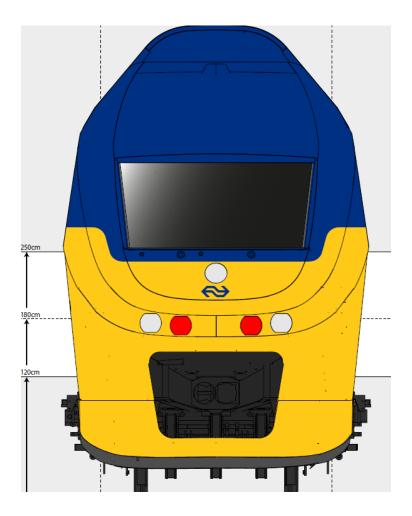
Development of Driver Advisory System



Specification & alteration of new train design









What's next?





Thank you for your attention!

Vera.verstappen@ns.nl

