



#### "RAILWAYS ARE UNDERGOING ITS BIGGEST TRANSFORMATION SINCE ITS CREATION"

Digital transformation implies a culture shift that affects people, processes and technologies.



#### Railways as a strong alternative transport mode

Railway networks across the world are getting busier and busier; trains travel at higher speeds and carry more passengers or heavier axle loads than ever before.



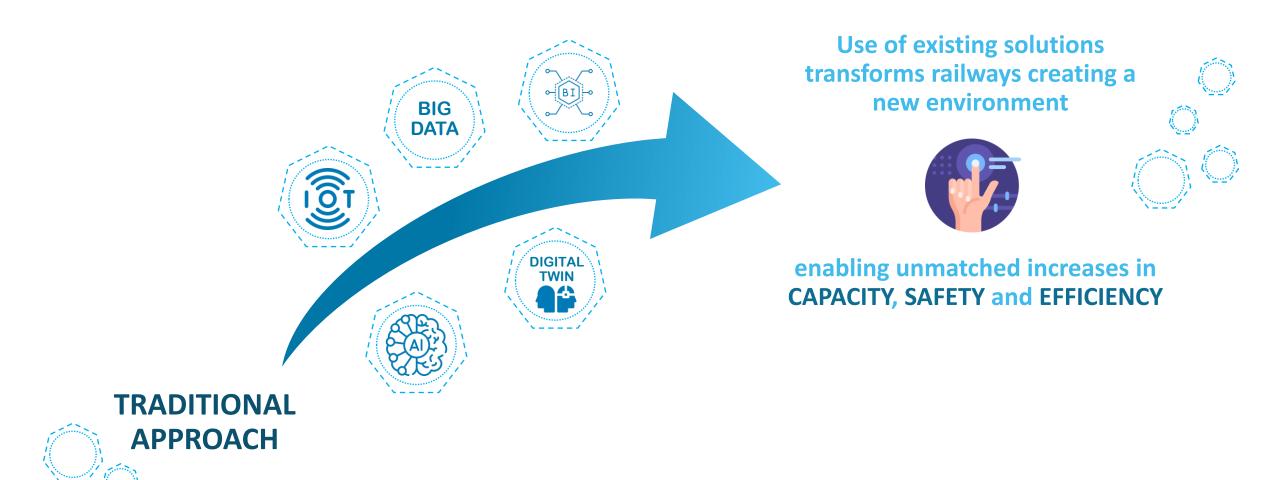
Rising railway traffic means that infrastructure needs to be in better shape than ever, making asset management optimization crucial.



The railway industry calls for new information technologies (ITs) to meet its development.



#### IT world is developing at a very fast pace



## Digitization is a journey that involves different players

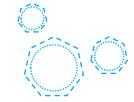




#### Business intelligence (BI)

"Business intelligence comprises the strategies and technologies used by enterprises for the data analysis and management of business information."

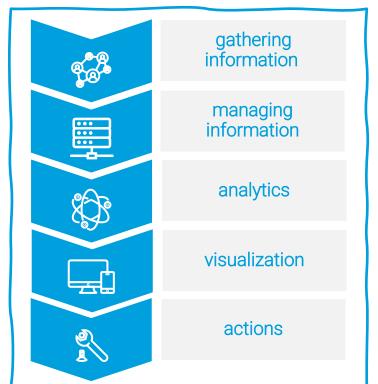




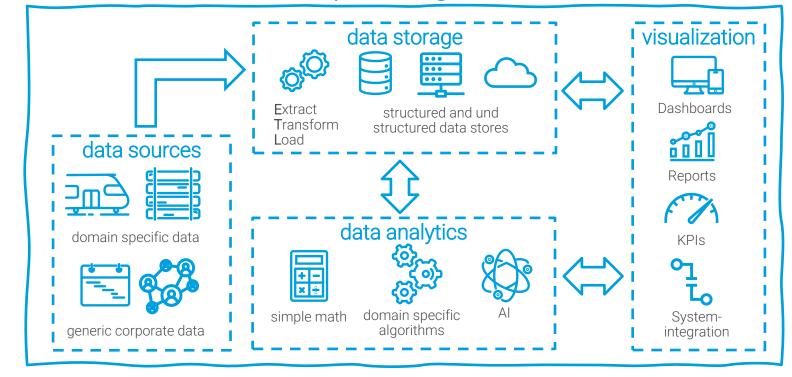


# Optimization of asset management with Business Intelligence





A cross-domain data processing environment for BI

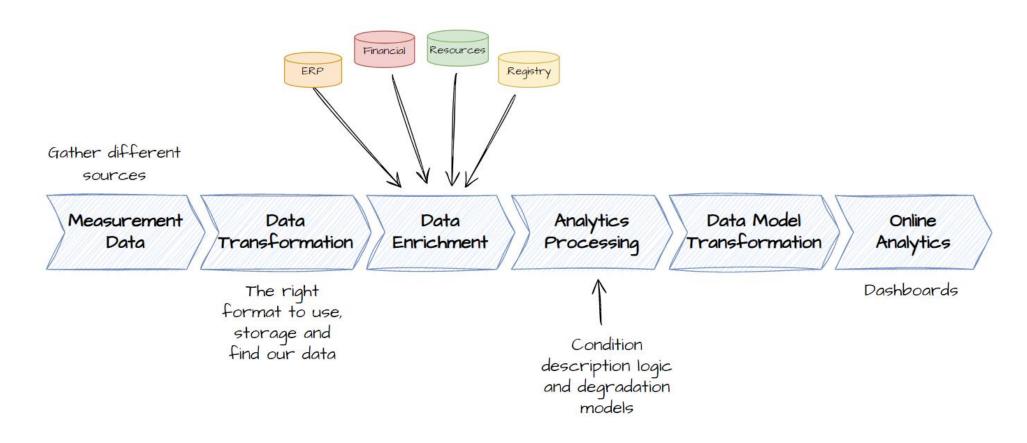






## USE CASE: Track geometry and three aggregation levels

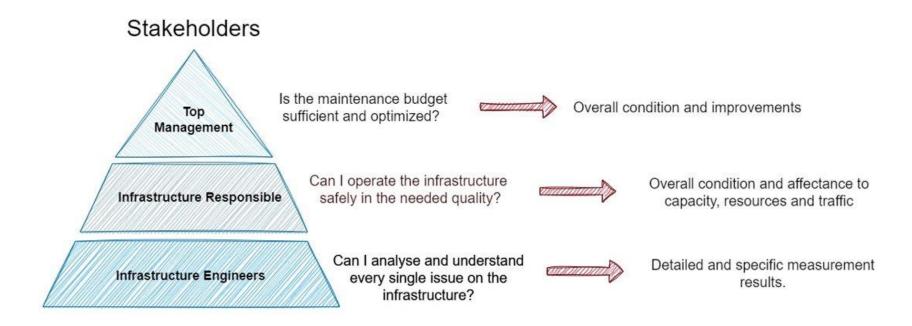
Automated processing pipeline for measurement data





#### Different approaches for different needs

DIFFERENT DASHBOARDS FULFILL THE NEEDS OF DIFFERENT STAKEHOLDERS



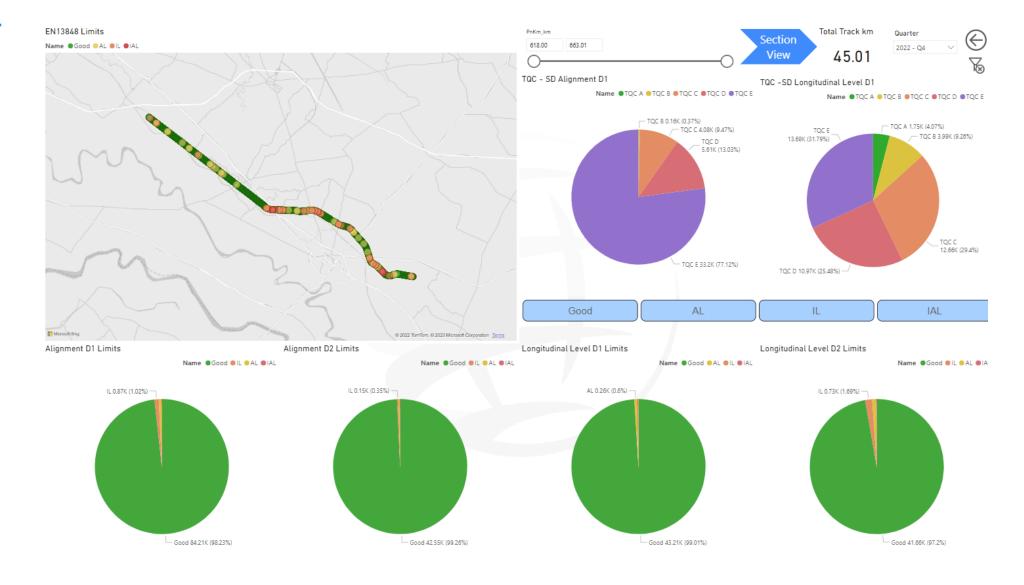


## Top management level dashboard





## Infrastructure Responsible level dashboard





## Infrastructure Responsible level dashboard





## Infrastructure Engineer level dashboard





