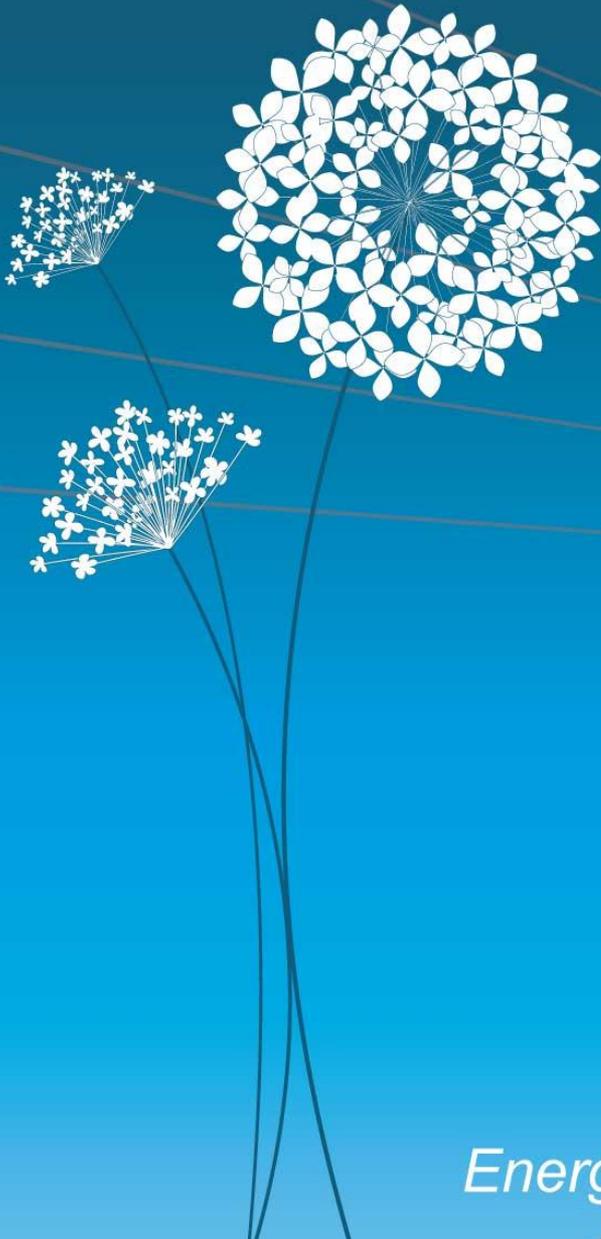


ANTWERPEN, 16 - 19 JUNE

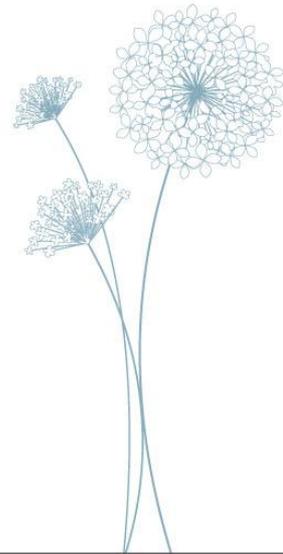
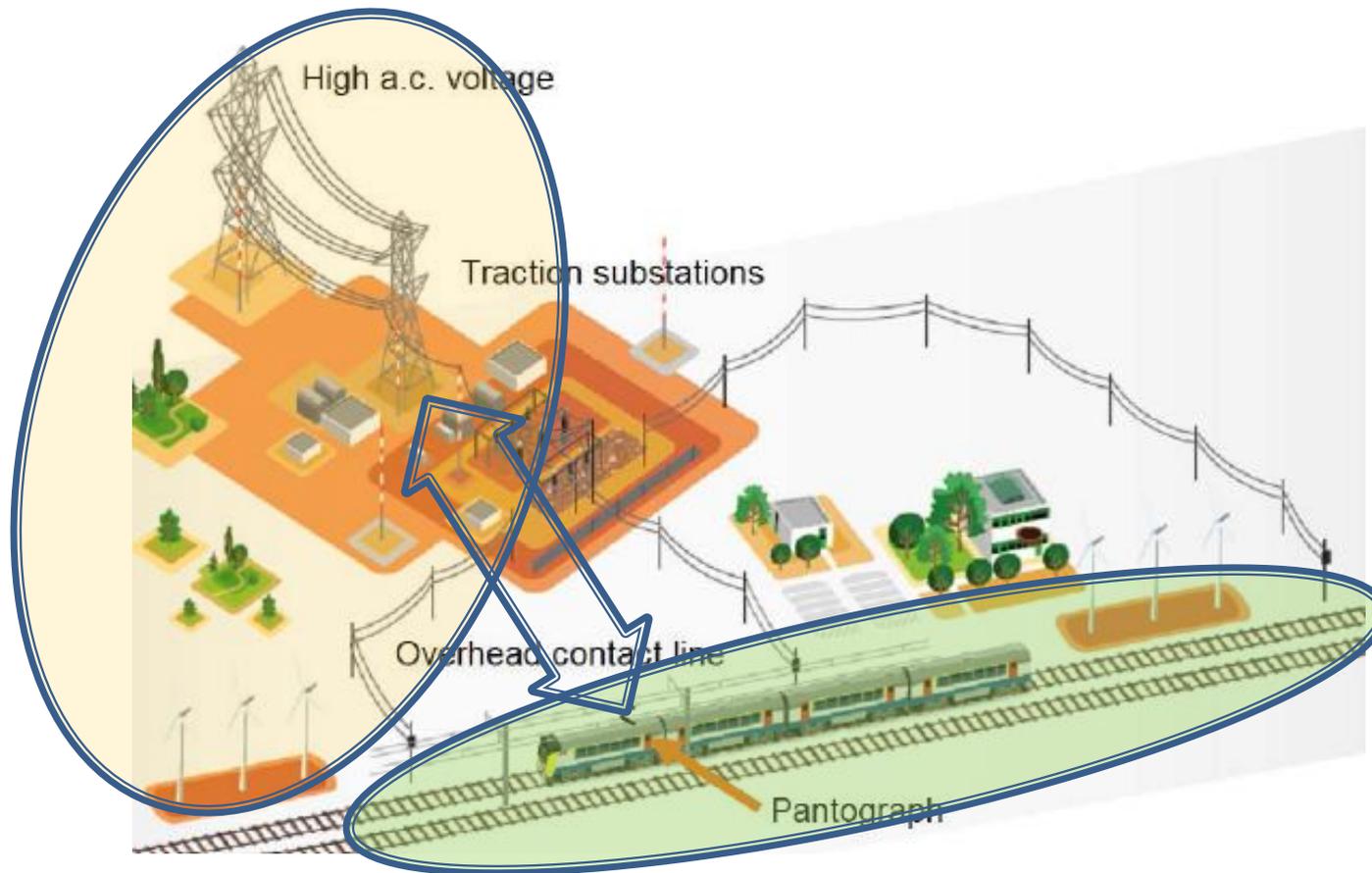


WHY ALL RAILWAY PEOPLE SHOULD BE INTERESTED IN ENERGY EFFICIENCY

*IR RICHARD MARCELIS
HEAD OF POWER ENGINEERING INFRABEL*

Energy Efficiency, the best fuel to move our trains!

THE ENCOUNTER OF TWO WORLDS



... STARTED A NEW AREA OF INTEREST



IT'S ALL ABOUT THE DATA ,....



Infrastructure



- Track locations
- Altitudes
- Stations

Position



- GPS receiver
- Tachometer
- ERTMS

Timetable



- All stations and passagepoints
- Arrival/Departure
- Expected track

Track usage



- Updated track usage
- Transmitted real-time

Speed Limits

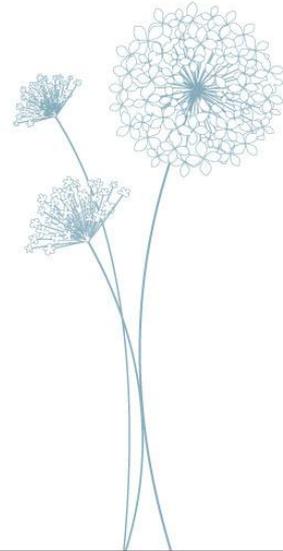


- Permanent limits
- Temporary limits

Train Characteristics



- Length and weight
- Maximum speed
- Resistances
- Acceleration/braking



SUSTAINABLE RAILWAY || SMART NETWORK

