



Energy efficiency by ProRail

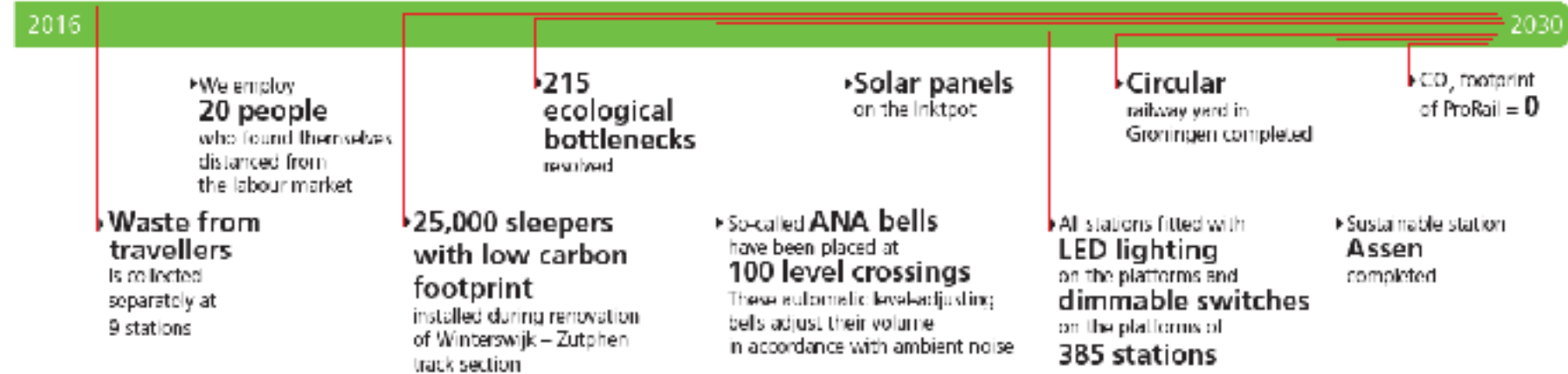
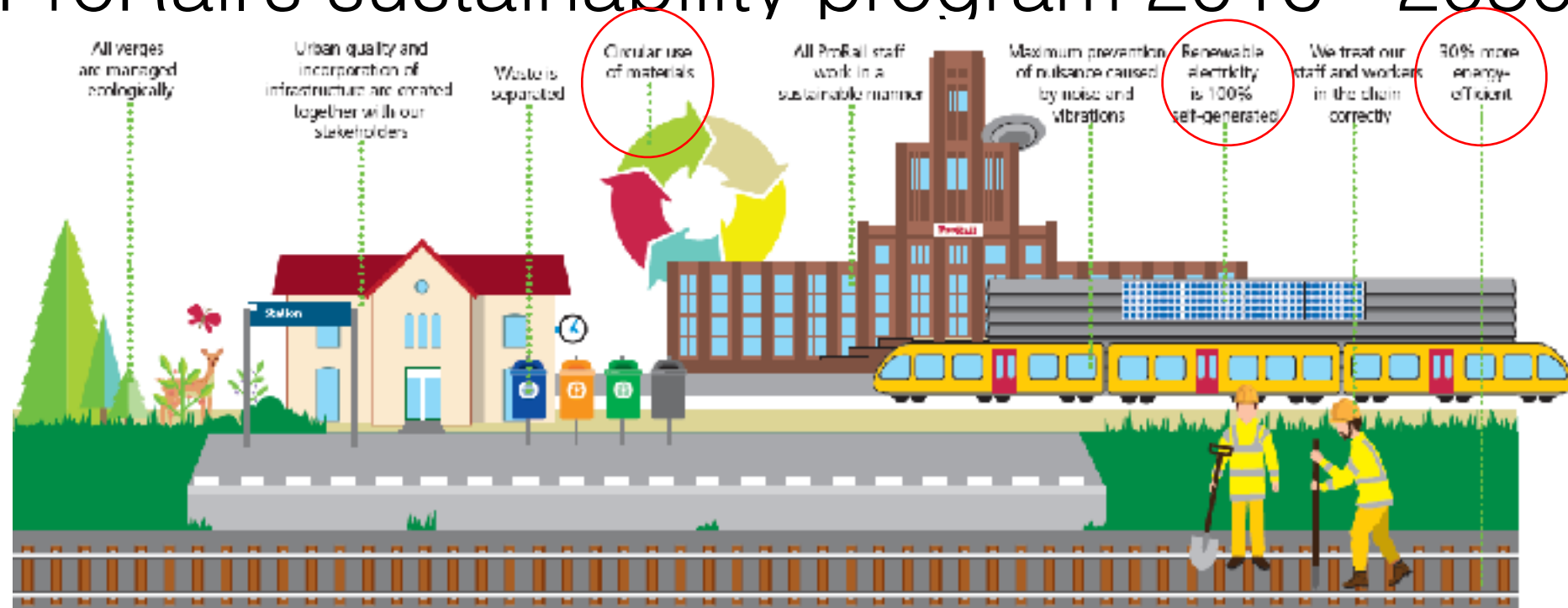
Energy saving is necessary for the (own) energytransition

Reinout Wissenburg, manager strategic sustainability

Fedor ten Harve, systemexpert power supply, AM/EV

ProRail

ProRail's sustainability program 2016 - 2030



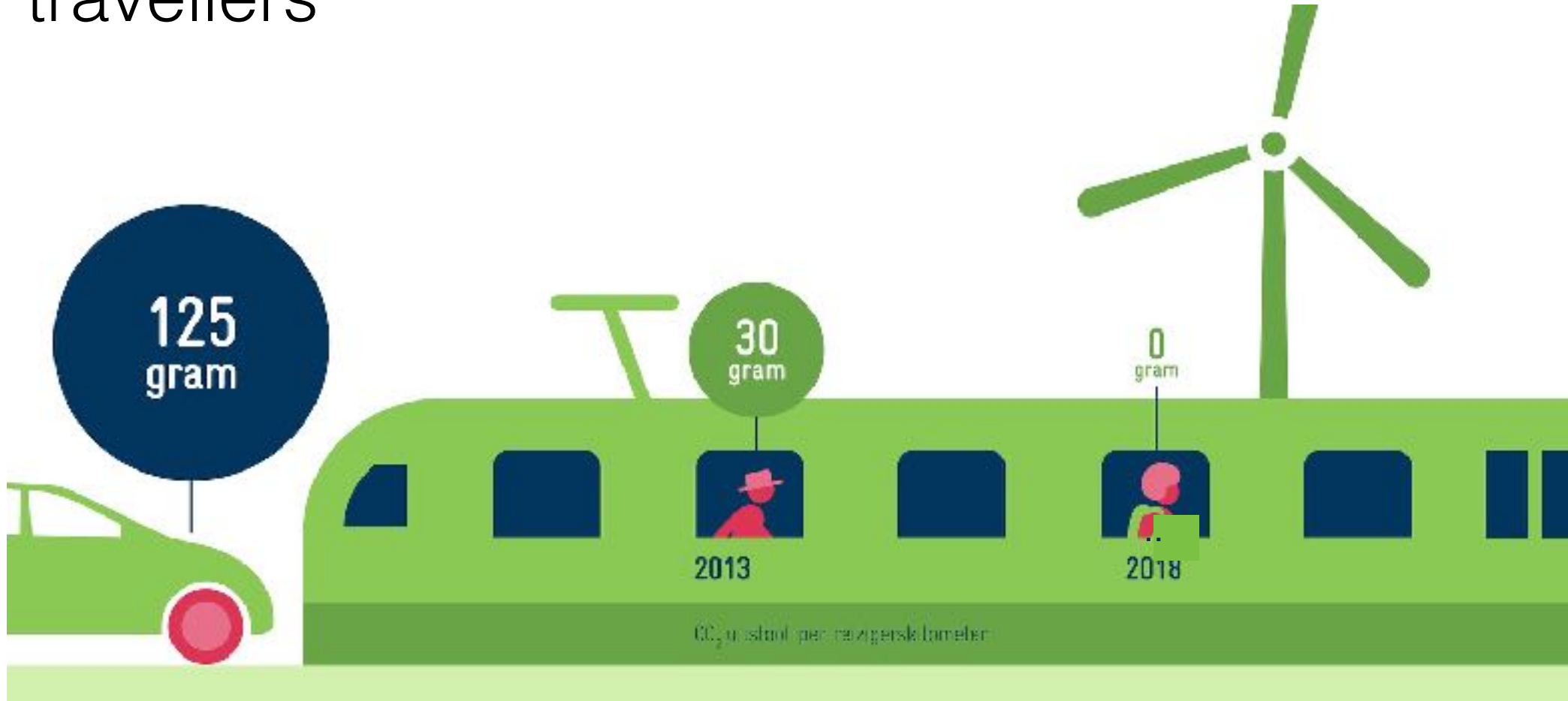
The Trias Energetica concept:
the most sustainable energy is saved energy.

1 Reduce the demand for energy by avoiding waste and implementing energy-saving measures.

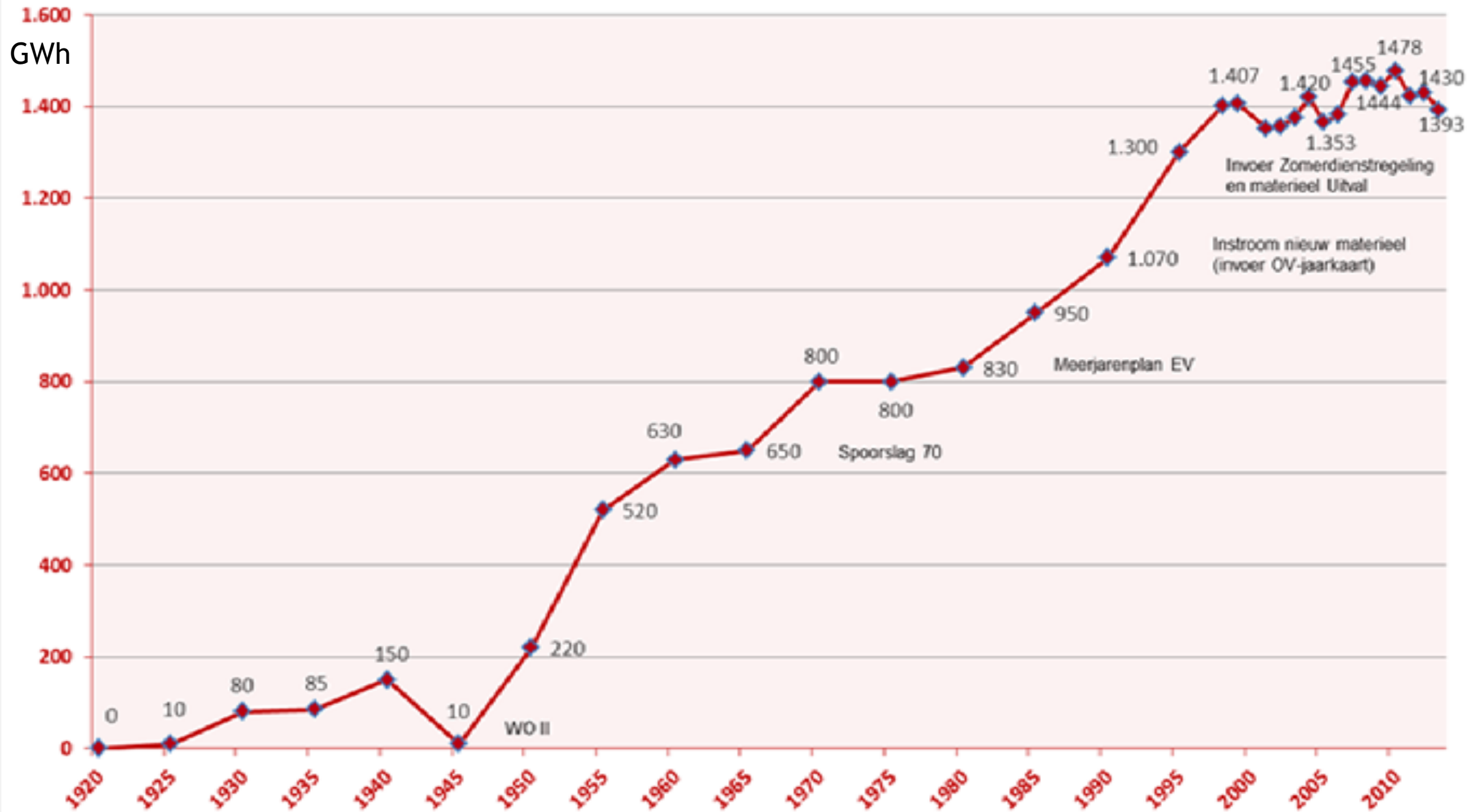
2 Use sustainable sources of energy instead of finite fossil fuels.

3 Produce- and use fossil energy as efficiently possible.

The train is the most sustainable modality for travellers

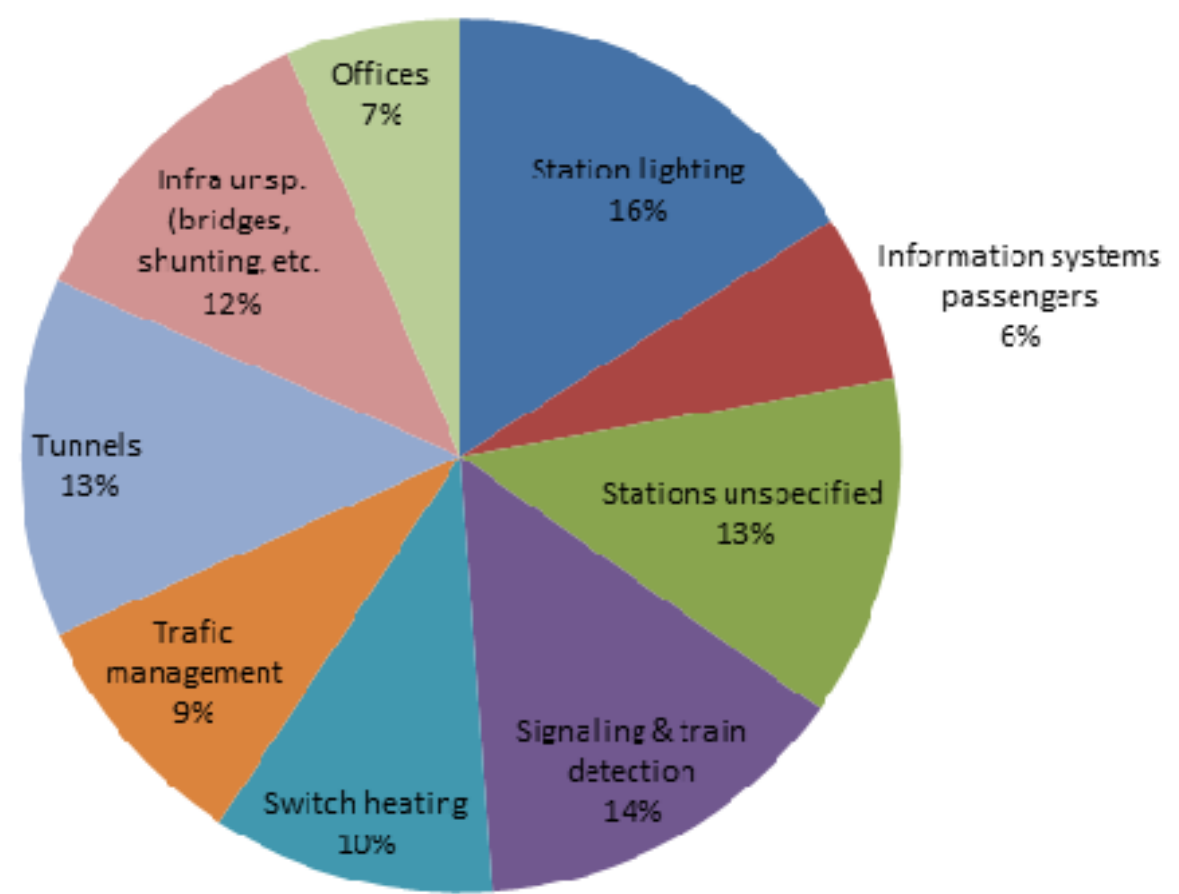


GWh

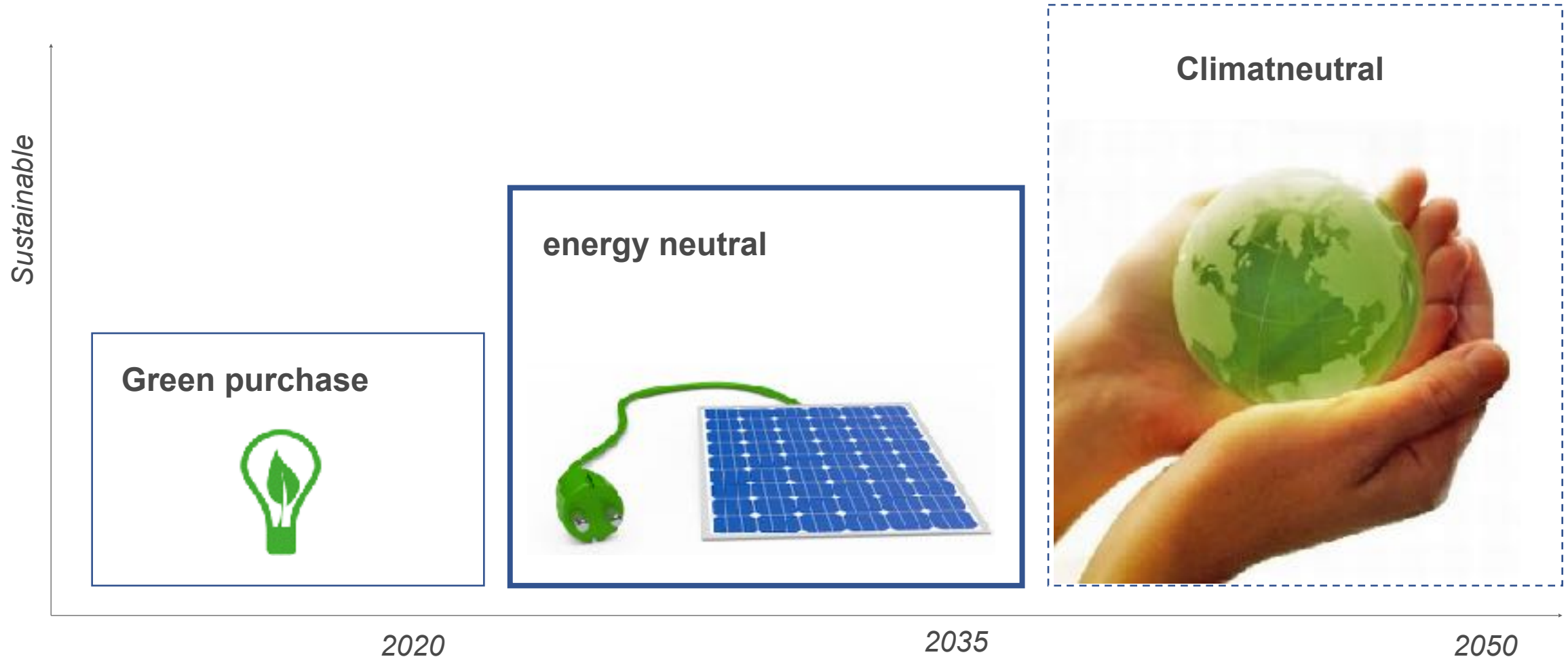


Energy use ProRail 2017

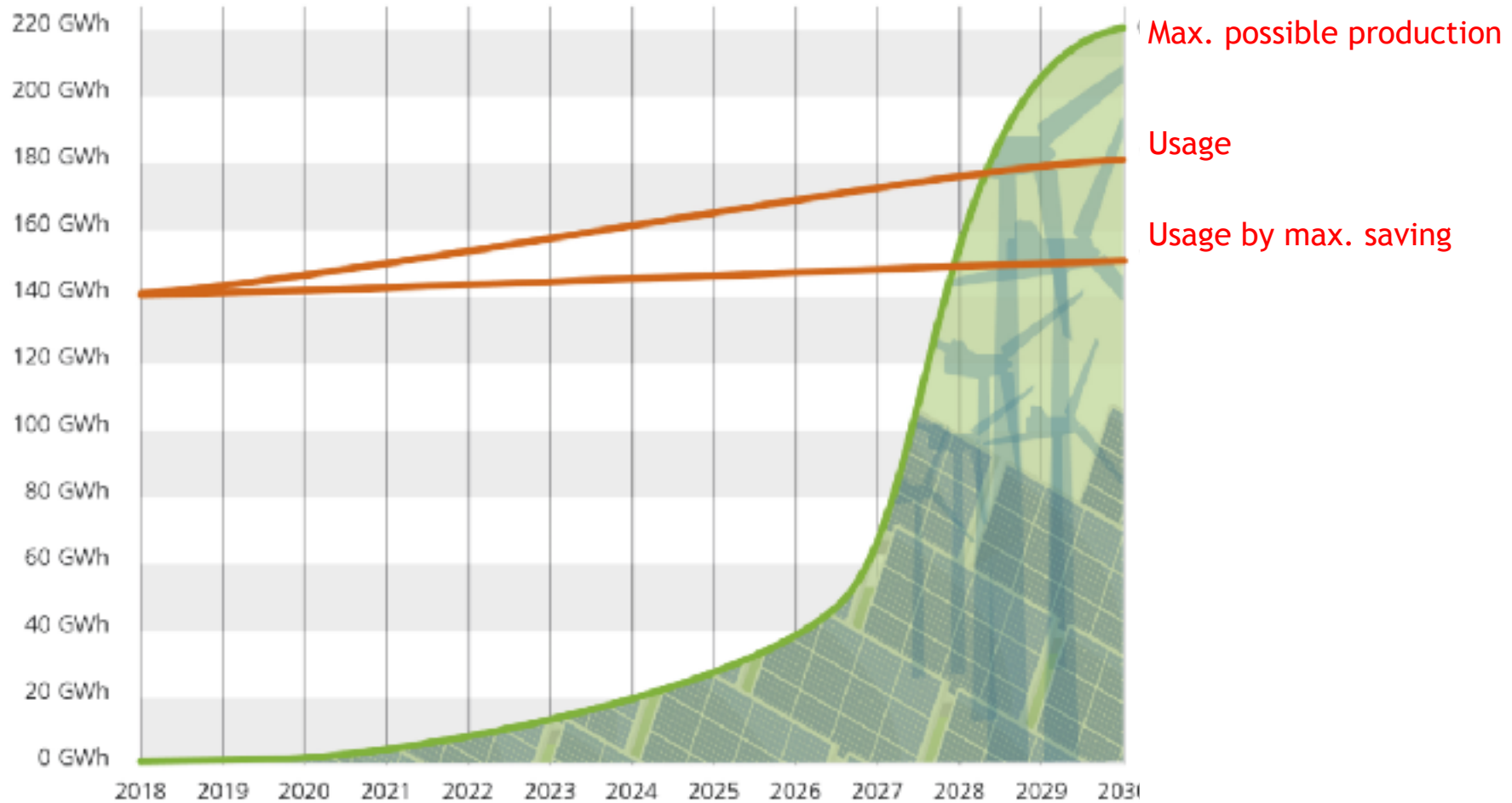
Tot. 1448 TJ



Ambition ProRail



How to reach the ambition energy neutral?





Wrap up

- Energy saving is necessary
 - For contribution to the global energy transition
 - Needed for an affordable renewable production
- But energy saving is difficult
 - Appointments are made
 - Small steps and a lot of assets
 - Focus is on production of renewable energy
- Stay focus on energy saving
 - Trias energetics