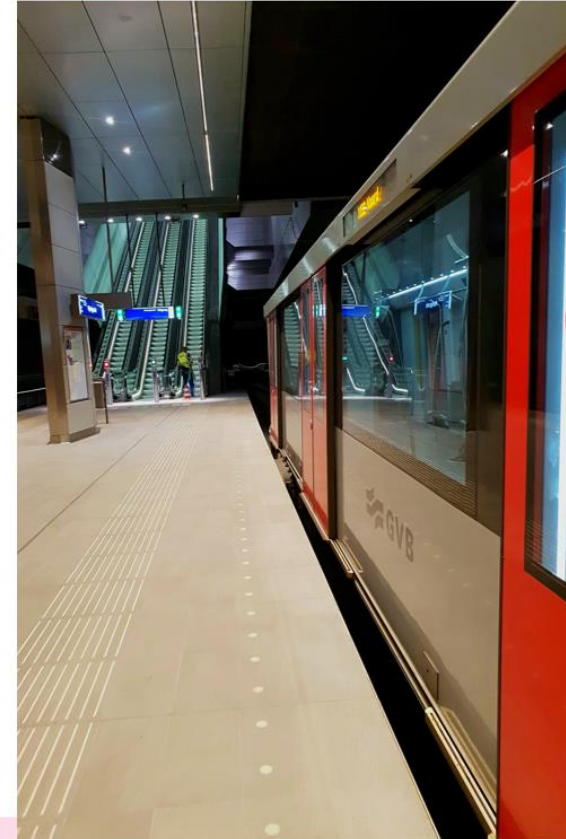
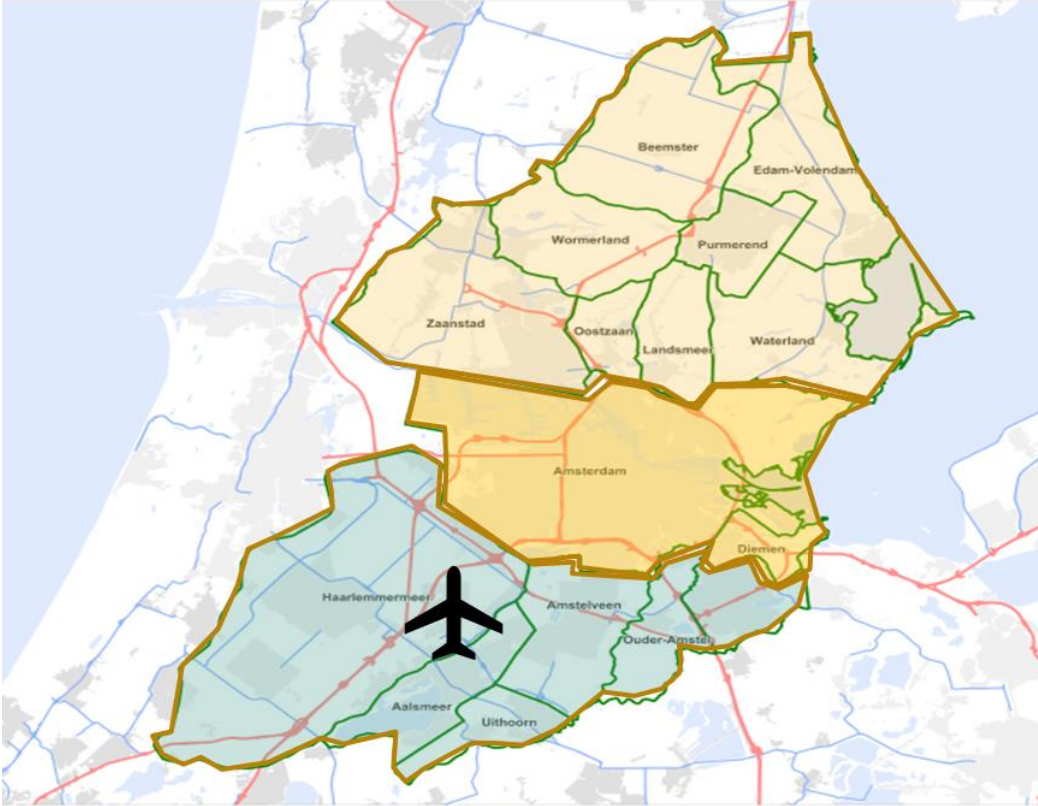


Sustainable Mobility in the Amsterdam Region



Gerard Hellburg – Program Manager Zero Emission Mobility

Transport Authority Amsterdam



Ambitions & Goals

EXISTING POLICIES

The Paris Agreement
Max. increase 2°C degrees



Dutch Climate Agreement
2030: 49% CO₂ reduction
2050: 95% CO₂ reduction



Policy Framework Mobility
Amsterdam Transport
Authority

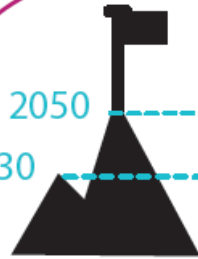
2030: CO₂ neutral public transport
system
2050: CO₂ neutral mobility
system



AMBITIONS

The Amsterdam Transport Authority aims for cleaner and quieter mobility for passengers and inhabitants.

2050
2030



CO₂-neutral mobility system

2050: -2680 ktons CO₂

CO₂-neutral PT system

2030: -880 ktons CO₂



Total required CO₂ reduction in 2050: **2680 ktons**

= 3x the annual emission of the city of Zaanstad, or 1 million return flights Amsterdam-Sydney

Approach: 3 components (1/2)

THE APPROACH FOCUSES ON THREE COMPONENTS:



1 Cleaner energy



2 Cleaner vehicles



3 Cleaner infrastructure and production



Production
renewable energy
Well-to-Tank



Use of
renewable energy
Tank-to-Wheel

Well-to-Wheel



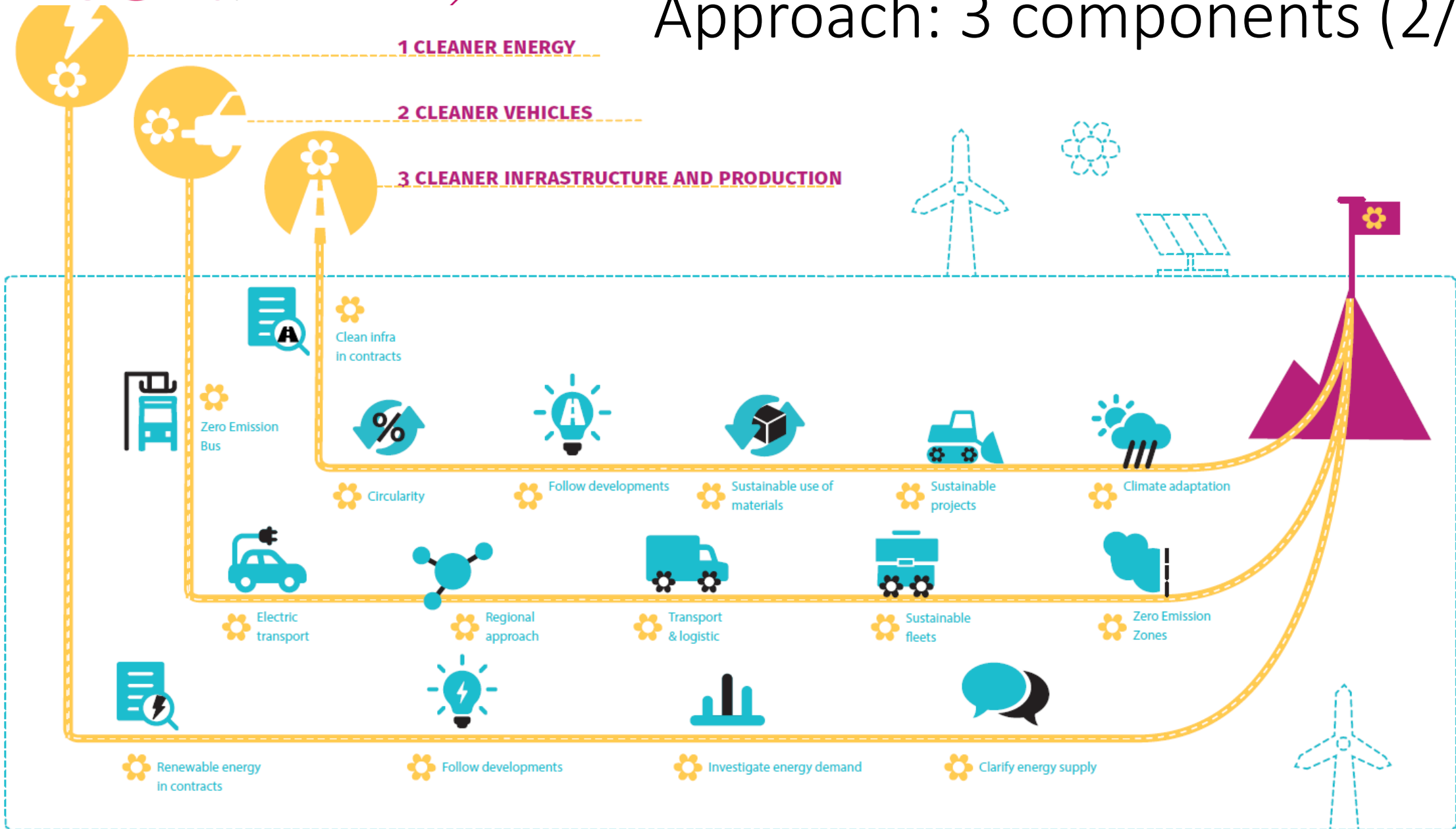
Sustainable
production



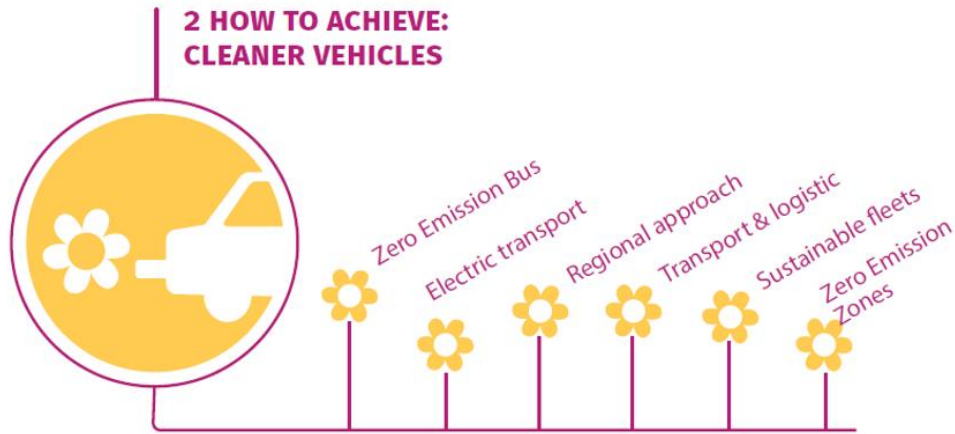
Recycling



Approach: 3 components (2/2)

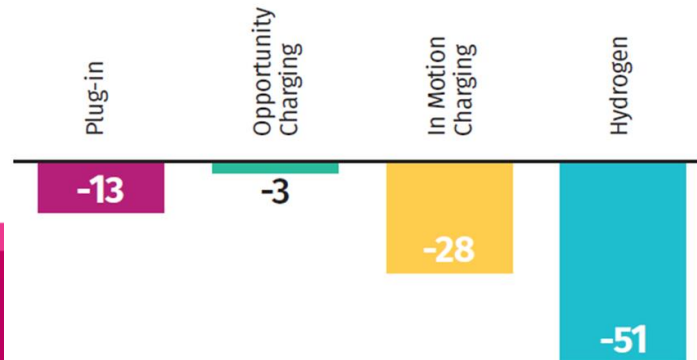


Cleaner vehicles

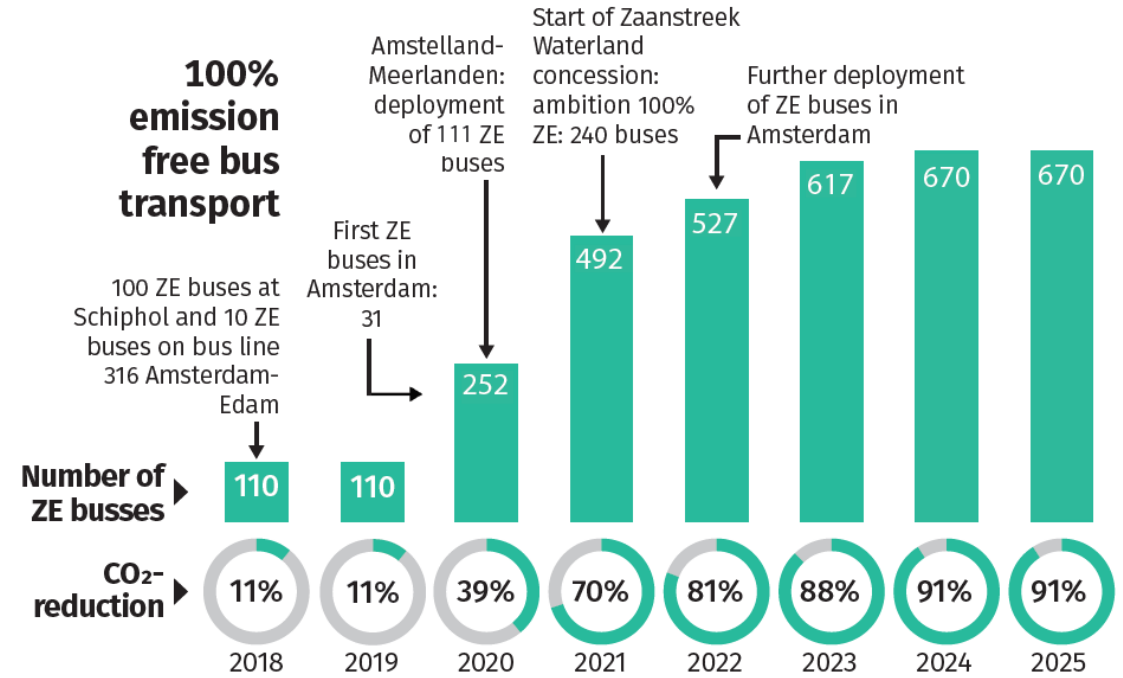


Zero Emission is more expensive than diesel...

Additional costs* of ZE technology in millions of euros per year

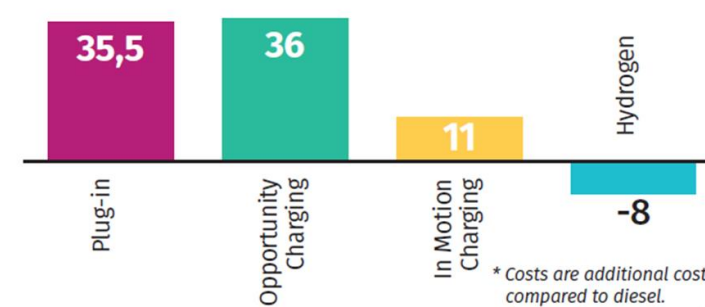


100% emission free bus transport



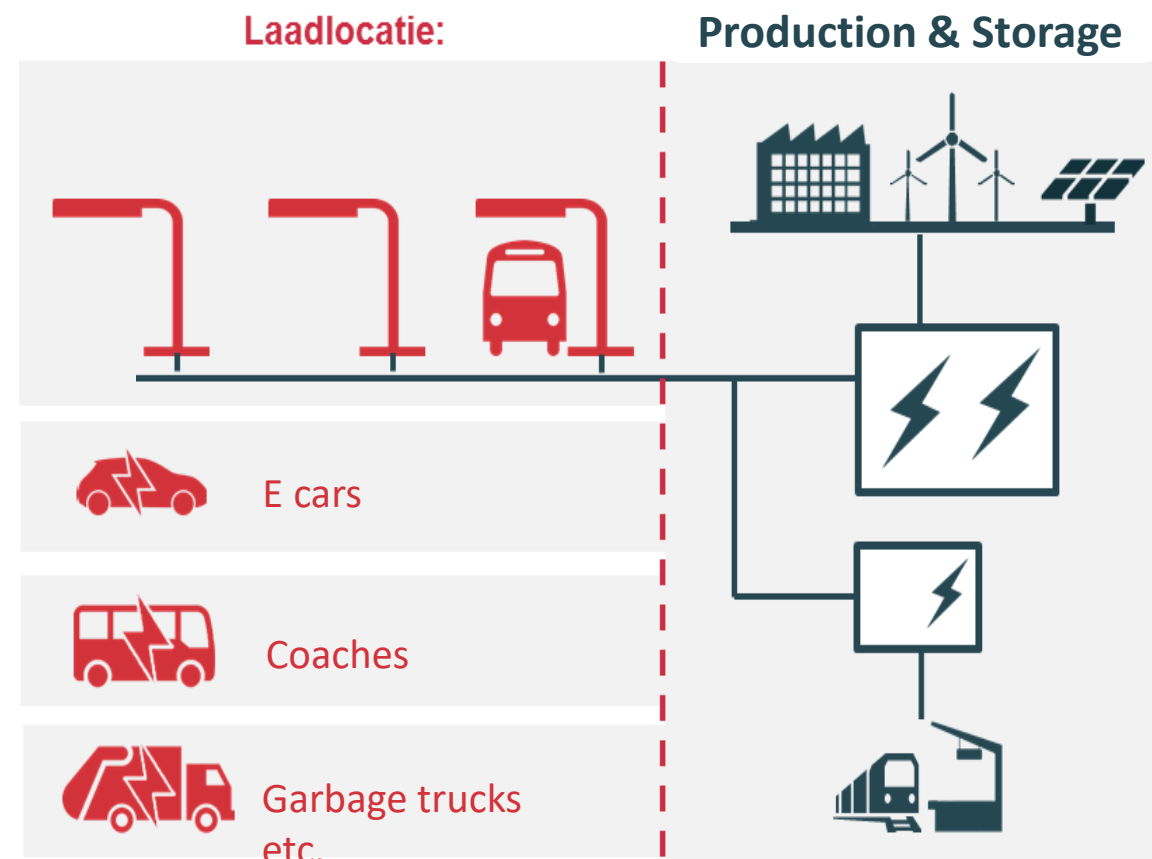
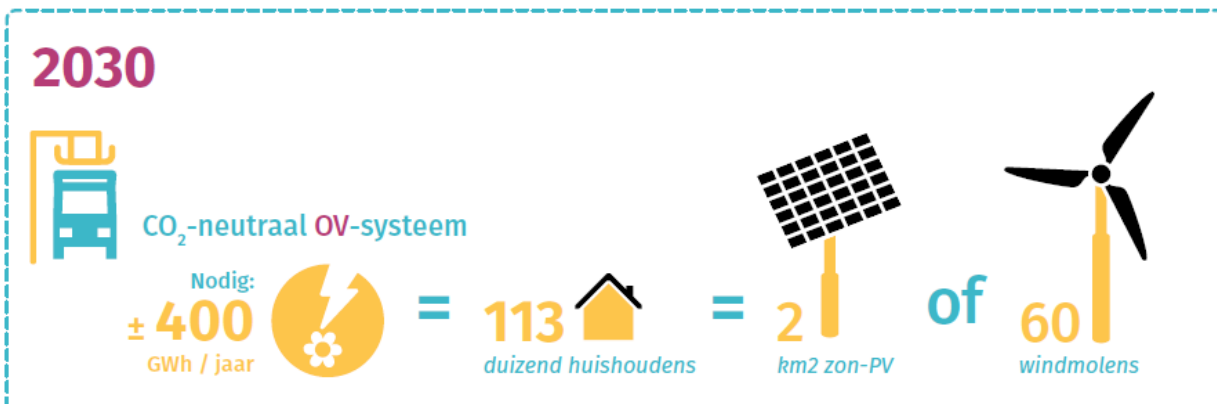
...yet it is socially viable

Societal benefits* in millions of euros per year



* Costs are additional costs compared to diesel. Improved air quality and avoided CO₂ emissions are examples of the benefits. In the figure they are expressed in euros.

Impact on powergrid





Questions?

g.hellburg@vervoerregio.nl
+31620000985