

Start of operation	Number of buses	Type of bus	Type of fuel cell
2021/22	20	Solaris Urbino 12 hydrogen	FCmove®-HD (70kW)



Challenges and Lessons Learned

- Bus requirements to routes and operation
- Drivers cautions due to stillstand possibility, range anxiety
- Cooperation with OEM; maintenance & repair process
- Bus routes through tunnel
- Delay in delivery due to bus fire at Doetinchem site
- Humidity in H2, leak in trailer
- Refueling time
- Hydrogen price

2.2 Mio kilometers driven

169 t of hydrogen used

Best practices

- Competitive dialog process for tender HRS
- Province to provide for making land available for HRS
- Pilot, learn, scale up
- Include fire department/tunnel management in early stage
- Hydrogen price split into fixed and variable part
- Co-development of buses and HRS
- in depth risk analysis