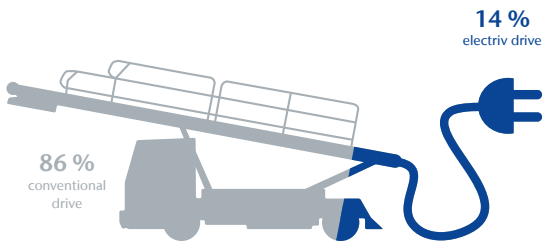


Electromobility at Frankfurt Airport



i 14 % of Fraport's vehicles at Frankfurt Airport (FRA) use electric propulsion.

Upward trend ...

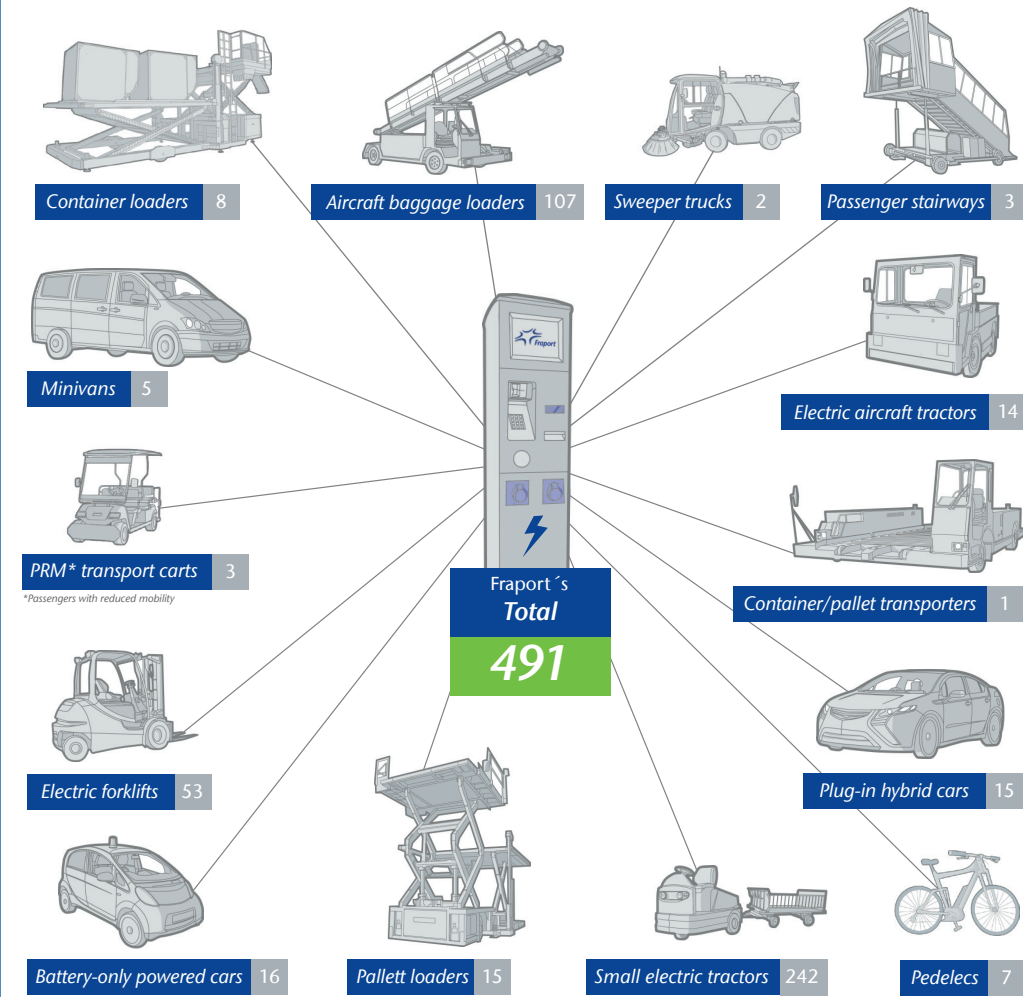
Despite significantly higher purchasing costs for electric vehicles (e-vehicles), airport operator Fraport is increasingly focusing on electromobility because ...

- 1) Electromobility helps reduce and avoid emissions of CO₂, air pollutants and noise.
- 2) Energy and maintenance costs for e-vehicles are often lower than for conventionally powered vehicles. Thus, economic viability throughout the product life cycle for specific vehicle types such as aircraft baggage loaders is already assured today.
- 3) "Stop and Go" operations and the 30 km/h speed limit on the apron present major problems for combustion engines.
- 4) Electromobility delivers tangible improvements in working conditions on the apron. As a result, e-vehicles are very well received by staff.

47

i 47 new e-vehicles (various types) were planned to be added to Fraport's fleet by the end of 2019.

Our electric vehicle fleet



Electromobility & the airport: a perfect match!

Certain conditions – which Fraport AG's operational areas offer in plentiful supply for many vehicle types – are required for the effective use of electromobility:

- ✓ Usage restricted to short distances (operating range is not a problem)
- ✓ Frequent waiting times during operations (interim recharging is possible)
- ✓ Extensive electricity supply (charging is readily available around the airport)
- ✓ Nighttime curfew can be used for longer charging times of e-vehicles

What progress have we made?



The expansion of electromobility is gaining momentum in Germany. Fraport has been testing vehicles with electric-drive systems for many years and is contributing its own expertise to this important development. Our commitment is a key element of Fraport's climate protection efforts and stands for modern, innovative, and future-oriented ground handling operations at Germany's largest airport.



i Various electromobility projects at Frankfurt Airport have been grouped under the E-PORT AN umbrella brand. The goal of the program partners – Fraport AG and Lufthansa Group – is to test and improve pilot models in everyday operations and to develop them to market maturity.

www.e-port-an.com