

## ESTERER e-REFUELING



Esterer has developed the first electrical refueling management system for airfield operations. Driven by electrical power the system no longer requires the main engine of the chassis anymore resulting in no emissions from the vehicle, no fuel consumption during refueling and reduced wear and tear to the power train. This reduces the overall costs for fuel consumption and maintenance resulting in a Return on Invest in less than three years. One battery charge is sufficient to dispense 50,000 liters of fuel at a rate of 1,000 l/min.

The complete system includes the rechargeable battery, electrical drive for the pump, plug-in station, operators screen and software. All components except the electrical drive are developed and build by Esterer to ensure our high quality and service.



## ADVANTAGES

During refueling operations:

- less refueling time due to better controllability of the delivery pump
- no pollutant emission from the combustion engine
- no hot point created by exhaust pipe
- no operation hours of the main engine
- no noise from the main engine
- no wear and tear of the power train
- no fuel consumption
- reduced unproductive regeneration times for modern diesel engine trucks (EURO VI)

Overall:

- reduced overall costs for fuel and maintenance
- return on investment in less than three years possible

**Esterer e-Refueling significantly reduces cost of ownership and emissions from the refueling vehicle.**

## TECHNICAL SPECIFICATIONS

typical 20m<sup>3</sup> refueling truck for underwing pressure refueling

max. flow rate	1,000 liters per minute
max. refueling capacity (without recharging)	50,000 liters
recharging time	4h
battery lifetime	up to 7000 full charging cycles

**This typical truck saves more than 13 tons of CO<sub>2</sub> per year.**

**Esterer e-Refueling can be adapted to any airfield refueling vehicle, please contact us for further information about your potential economical and ecological savings.**



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