Introduction

With over a decade of experience in electric mobility. Emoss develops, produces and supplies complete electric powertrains for trucks.

We understand what your individual operational needs are. For both your vehicle needs and the possibilities regarding the charging infrastructure. Together we’ll work to a solution that fits your needs.

We strive for sustainability. High quality to ensure a long service life. The equipment and software we use is extensively tested and developed, resulting in reliable and durable products.

We work with regions and businesses that pursue the people-planet-profit balance. Electric mobility is achievable, but only because of belief, respect and co-operation.
Production facility

From our production facility in Oosterhout we design, develop and produce our innovative systems.

Involved, experienced and precise

Our people are experienced in the production of electric drive systems. High-tech systems with a zero-emission objective. Our engineering department works with the newest software available. In this way our products fit seamlessly to your wishes.
Benefits

**Sustainable**
Choosing electric transport is choosing sustainability. Zero emission transport saves the environment because it has no emission of CO2 and nitrogen oxides. In addition to that, it’s quiet and with the use of durable materials low in maintenance.

**Efficient**
We constantly improve the Emoss driveline technology. This way we’ll get you further everytime. Regenerating breaking and a compact construction gives you maximum capacity.

**User friendly**
Operation of your vehicle should be familiar and intuitive. Electric driving should be simple and uncomplicated. One screen allows you to monitor your battery life and actual range constantly.

**Safe**
Our technology is state-of-the-art. Integrated systems such as: EPS, ABS, ASR and adaptive brake assist contribute to your safety. Our engines are limited at 85 km/h. We comply to all European regulations.
Zero-emission transport, reducing our carbon footprint and working towards a sustainable future in mobility.

An extensive calculation of your total cost of ownership is always included in our offers. Variables like purchase price, energy consumption and maintenance are included in this calculation.

Following example* is part of a TCO calculation for a logistics company.

Vehicle: M.A.N. 18 T GVW
EMOSS driveline: EMS 1820
Depreciation period: 8 years
Distance per day: 200 km
Estimated power consumption (Electric): 160 kWh/day
Estimated fuel consumption (Diesel): 70 l/day

*No rights can be derived from this example
Design

Battery pack

Charging plug

Motor controller

Climate Control

e-Motor

Original axle
## Types

We offer a complete range of battery packs. Distances up to 250 kilometers are no exception. On top of that we provide the possibility to electrically power auxiliaries like a freight refrigeration system.

The EMOSS drivelines are chassis independent. We can turn your preferred chassis into an electric vehicle. From 3,5 to 27 tons.

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<tr>
<th>Type</th>
<th>Model</th>
<th>Battery (kWh)</th>
<th>Range (km)</th>
<th>Motor power (kW)</th>
<th>Charging time (h)</th>
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Strict pollutant emissions, noise regulations and delivery time slots are today’s transporters major concerns. We offer solutions from standard electric truck chassis to complete systems like garbage collectors. Our configurable battery packs (40, 80, 120, 160, 200, 240 and 300 kWh) can meet a range from 25 to 300 kilometer (NEDC).

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At EMOSS quality is of paramount importance. Through years of experience in electric mobility and with various manufacturers of electric drive components and batteries, we are able to find the right, high quality products to fit within the production process of your electric vehicle.

On top of that we are continuously working on our own end-of-the-line quality. The system we have in place to achieve this quality has been approved by Lloyd’s Register in early 2014 according to the ISO 9001:2008 standard. This means EMOSS provides all necessary measurements to ensure the quality of the final product.
Options

**Viriciti**
The Viricity datalog system allows you to have access to all vehicle data. With the integrated GPS module you can track your vehicle anywhere in real-time.

**Charging point**
The EMOSS charging point is designed for optimal use with the EMOSS batteries. The charging points are able to charge multiple vehicles at the same time with our ‘Smart-charging’ technology.

**Heater**
We can equip your vehicle with an electric cabin heater. However, the power needed for the heater will affect your range.

**Charging cable**
Our vehicles and drivelines are equipped with a charging cable of 5 meters. According to wish we can provide cables with lengths up to 20 meters.

**Airconditioning**
Emoss has a series of airconditioning integrations, based on several technologies. Special systems generate cold when moving which will be released when parked.
References

**DSV**  
Field of work: Inner city logistics  
Vehicle: EMS 1824  
Delivered: 2016

**Albert Heijn**  
Field of work: Inner city logistics  
Vehicle: EMS 408  
Delivered: 2016

**Heineken**  
Field of work: Inner city logistics  
Vehicle: EMS 1916  
Delivered: 2016

**Lidl**  
Field of work: Inner city logistics  
Vehicle: EMS 1920  
Delivered: 2016

**Tedi**  
Field of work: Inner city logistics  
Vehicle: EMS 1216  
Delivered: 2016
Service

Should any repair or maintenance be required on your vehicle, the EMOSS service department will be available to assist you. This service team is available in the Benelux, Germany and France. Additionally, we work together with several recognized and reputable service partners across Europe.

All of the staff carrying out work on the EMOSS vehicles are trained and up to date on the latest developments regarding the components used and productions. We also provide operational training and maintenance training. If required, most of these services can be performed on location.
Why Emoss

Experience
At EMOSS quality is of paramount importance. Through years of experience in electric mobility, we are able to find the right, high quality products to fit your needs.

Quality
Approved by Lloyd’s Register and approved to ISO 9001: 2008 standard. This ensures the best possible quality of the final product.

Safety
We test our systems according to the EMC directives. EMC stands for Electro Magnetic Compatibility. We test our systems on radiation in order to ensure the safety of the electrical components.

Service
Should any repair or maintenance be required on your vehicle, the EMOSS service department will be available to assist you.
A head start in electric mobility