



since 1932



M-U-T eTRUCK INNOVATION

SUSTAINABLE. POWERFUL. ELECTRICAL.

The ideal way into the municipal future.

M-U-T-eTrucks impress not only with their **high reliability**, but also with their **highest variability** and **maximum effectiveness** in municipal operations: quiet, fast, powerful and sustainable.

The **ergonomic, sturdy** and **future-oriented construction-design** in an ideal combination with varied types of equipment, make the **M-U-T-eTrucks** to one of the **most profitable** and **revolutionary solutions** in the municipal economy.

VARIABLE

An **ideal combination**: 90 years of **M-U-T-know-how** paired with **leading-edge e-Power** make the M-U-T-eTrucks to **highly flexible** working tools.

At **M-U-T**, the **future** has already begun:

- **ROTO-M-U-T-e** waste collection vehicle with rotary drum
- **ROTO-M-U-T-e-MINI** waste collection vehicle with rotary drum, designed extremely compact
- **PRESS-M-U-T-e** waste collection vehicle - the „omnivore“
- **M-U-T-e-Austrocleaner** road sweeper
- **KOMBI-M-U-T-e** sewer flushing vehicle

SAFE

M-U-T-eTrucks meet the **proven high safety standards** of the M-U-T-vehicles.

M-U-T-eTrucks additionally offer:

- **semi- and fully automatic** operation system
- increased operational safety, power efficiency and smoothness, due to **latest electronics**
- **optimal protection** of the operating and loading staff, due to M-U-T safety systems
- **realtime feedback** of the **e-Power-Unit** of its status
- **realtime monitoring** of the system

ELECTRICAL

The climate change is a fact. Ecological neutral and sustainable solutions are the needs of the moment. **M-U-T-eTrucks** manage these concerns along the way. They guarantee a **higher economic efficiency** and a **longer service life** at the same time.

Thereby the dealing with municipal tasks gets not only **cleaner**, but also **cheaper** in the long term.

EXPANDABLE

M-U-T-eTrucks will be delivered with a **high efficient Power-Unit**, which meets many requirements. Nevertheless there are **numerous options** available.

- **modular ePower-Pack-Battery** for an increased electric range or even higher torque, depending on requirements
- 360°-all-round visibility-system
- LED-all-round light
- numerous other options available

M-U-T Service Packages

- warranty extension up to 60 months
- care of vehicle fleet, incl. annual check
- service package „M-U-T All In“

ADAPTABLE

- for **biaxial** as well as up to **four-axle chassis**
- available for construction sizes from **7,5 t up to 40 t and more**
- **e-Power-engine** of **140 kWh, 280 kWh** or **400 kWh**
- **m-PTO/e-PTO special power unit** for constructions
- **e-storage-batteries** of **115 kWh, 230 kWh** or **460 kWh**
- **modular, infinitely drive unit**
- **recuperation-unit**: uses the braking energy of the vehicle for charging the battery
- **electric range of approx. 150 km**, dependent on battery and application
- **onboard-charger**, incl. possibility of **fast charging** for maximum availability
- **Industry X.0-capable** - for an ideal digital integration into the fleet
- minimum warranty of 2 years

volume-optimized constructions (optional)

- **XXL-versions** for all types and options of vehicles available
- **special adjustment** of the constructions and drive concepts, dependent on requirements, available

Multifunctional-Info Display

Status display of the vehicle in realtime:

- DNR, Charge, Ready
- current energy demand
- performance of recuperation
- battery level and electric range
- temperature of components
- information for the drivers and error display



SUSTAINABLE WITH M-U-T

M-U-T-Know How in an ideal combination with FRAMO-Innovation

FRAMO - since 2014 innovation driver within the development of eTrucks - provides the basis for M-U-T-eTrucks and enables emission-free solutions for municipal vehicles: especially for operations in inner cities and low-emission zones.

With its among other things special developed batteries and vehicles currently in use, FRAMO is an experienced expert in production of fully electrical commercial vehicles up to 60 t. The company produces, in addition to municipal vehicles, eTrucks for city logistics purposes, construction vehicles and semitrailer tractors.

Economic Efficiency and high Availability

In combination with the low-maintenance M-U-T design and the long lasting components of low wear and tear, the FRAMO-ePower-Technology guarantees extended service intervals and increased availability of the vehicles.

Convenience

Simple handling via the adaptable **M-U-T-Multifunctional-Touch Display** over the constructions as well as an ergonomical **FRAMO-Vehicle-Display**.

Industry X.0-capable - for an ideal digital integration into the association.

Variety of Models and Modularity

All special M-U-T vehicles are available in different varieties in combination with FRAMO-eTrucks: individual adjusted for different applications and customer requirements.

The wide range of additional equipment in the scope of safety, environmental protection and convenience as well as diverse attachments, allows an even better adjustment of the vehicle to the required claims and tasks.



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