
AMT
ZERO EMISSION
THE FUTURE IS NOW
zero-emission
rail machines

AMT

ZERO EMISSION

Efficient, safe and emission-free

In a world that is constantly changing, it becomes increasingly important to reflect on the decisions we make.

Your machines are deployed by specialists on unique projects, often with the goal of contributing to the mobility of tomorrow.

What could be more beautiful than being able to choose to do this efficiently, safely, and completely emission-free?

Modular technology, available for new and existing machines

A Zero-emission powertrain provides the machine with unique features.

The power and operation are equivalent to the version running on fossil fuel, while the machine is also quieter and has no harmful emissions.

The modular concept with interchangeable battery packs enables the user to work 24/7.

MODULAR TECHNOLOGY

AMT has developed flexible battery packs that can be used in both smaller and larger machines.

Additionally, by utilizing multifunctional machines, your emission-free machine fleet can be deployed more efficiently.

Machines such as excavators, self-propelled rail trailers, and the Trackbot are already equipped with this technology.

The following machines/vehicles are fully emission-free or available as hybrids:

- ATV vehicles
- Shunting vehicles
- Unimog (hybrid)
- Aerial work platforms
- Trucks for overhead line assembly

The modular concept allows for the interchange and coupling of battery packs to provide machines with larger power requirements sufficient capacity. Due to its modular design, it will also enable the utilization of the latest battery technology with higher energy density in the future.

In 2023, a drivetrain with a plug-in fuel cell is being developed, enabling hydrogen to be used as an energy carrier alongside electricity.

SPECIFICATIONS

Battery pack 90 / 180

- Battery pack 90 / 180
- 90kWh / 180kWh
- 600VDC
- BMS (Battery management system)
- SOC (State of charge) indicator
- Charging interface CCS2 / DC (max 60kW)
- Discharging interface HV Staubli
- Steel casing with 4 lifting eyes
- Powder-coated 2-layer RAL 7024 IP65
- 950 x 840 x 575 / 950 x 840 x 1150
- 650 kg / 1200 kg
- Charging temperature 0-45 °C (optional heating)
- Discharging temperature -20 / +50°C
- 3000-5000 charging cycles 70% SOH

Electric-Excavator (RRV)

- TW150/160/180
- 18 - 24.000 kg
- Fully electric drivetrain
- Infinitely variable speed
- Permanent magnet motor
- Water-cooled
- 600V DC (max. 121kW)
- On-board AC charger (max. 120kW) (20 to 80% charge in 2 hours)
- Interchangeable battery packs (360kWh)
- Additional TFT-LCD color screen with real-time battery and drivetrain information
- Cloud module with online charging and consumption information

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