YEAR 2018 IN REVIEW
Electromobility takes off – on- and off-road

A retrospective view of the year 2018 from the point of view of the development company SUNCAR HK proves that electromobility has gained momentum in the niche markets. In only one year, the Swiss start-up company has electrified excavators, baggage tow tractors and municipal vehicles.

As an engineering company, which specializes in the electrification of machines and vehicles, SUNCAR strives for "maximum performance with minimum emissions". This is precisely what the start-up, resulting from a project at the ETH Zurich in 2015, achieved last year – in three different projects.

In spring 2018, SUNCAR developed another battery-powered electric excavator on behalf of its holding Huppenkothen. Huppenkothen's electric excavator portfolio, consisting of the two models TB1140E (16 t) and TB216E (1.6 t), was extended by the new TB260E (7 t). As an allrounder with an incomparable run time of 8–9 h (with 1 h re-charging during lunch break) and a charge time of only 3 h, the novelty generated a great deal of interest from construction companies.

In summer, SUNCAR made the next proud announcement: The »SHERPA« E of Goldhofer Airport Technology was born. Unlike conventional tow tractors, this baggage and cargo tow tractor electrified by SUNCAR is not equipped with a lead battery but with a Li-Ion battery. The »SHERPA« E can therefore be charged as quick as a flash within only 1 h instead of the usual 8 h. The »SHERPA« E, which is used at airports all over the world, has a deeply impressive towing capacity. It can easily tow 80 t.

In fall, the electrification of the Meili municipal vehicles completed SUNCAR's successful year 2018. The electric models, as an alternative to the classical and renowned Meili municipal vehicles with combustion engines, were met with a sustained interest of the market. With a performance of 120 kW and a range of 200 km, the electric municipal vehicles BEAT.e® und RETO.e®, which are equipped with a Li-Ion battery, are the star performers in the municipal sector.

SUNCAR’s success story, representing all electrifications that have been reported in the last few months, shows that electromobility is picking up speed off the roads.
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