

K2 Mobility

Making e-trucking work: Integrated Charge Management for Electric Commercial Vehicle Operations



Challenge: Ensuring operational continuity in heavy electric vehicle logistics, protecting & optimizing core business



The 5 challenges of HDV electrification , requiring integrated dynamic charge-management:



Time for charging needs to be fitted into sometimes tight operational schedule



Managing available range to be sufficient for each tour



Managing energy cost & power consumption regarding required utility contracts and infrastructure*



Vehicle-to-Tour assignment: coordination with charging and parking



Pre-condition planning: needs to be accounted for in charge plan

* Power available on site is typically constraint to < 1MW

Maintaining the integrity and continuity of the core logistics business requires integration and contextualization



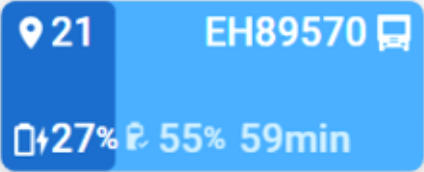
First Priority Secure business operations

Second Priority Energy cost efficiency

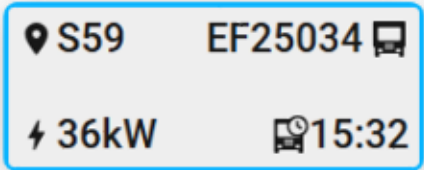
Dynamic reservations are key to efficient e-mobility for logistics fleets



Ready to Drive Now



Ready to Drive in 59 min



Dynamic Reservation in 1 h





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Every transformation produces winners and losers. At K2 we help transportation companies to be winners in the e-mobility transformation.