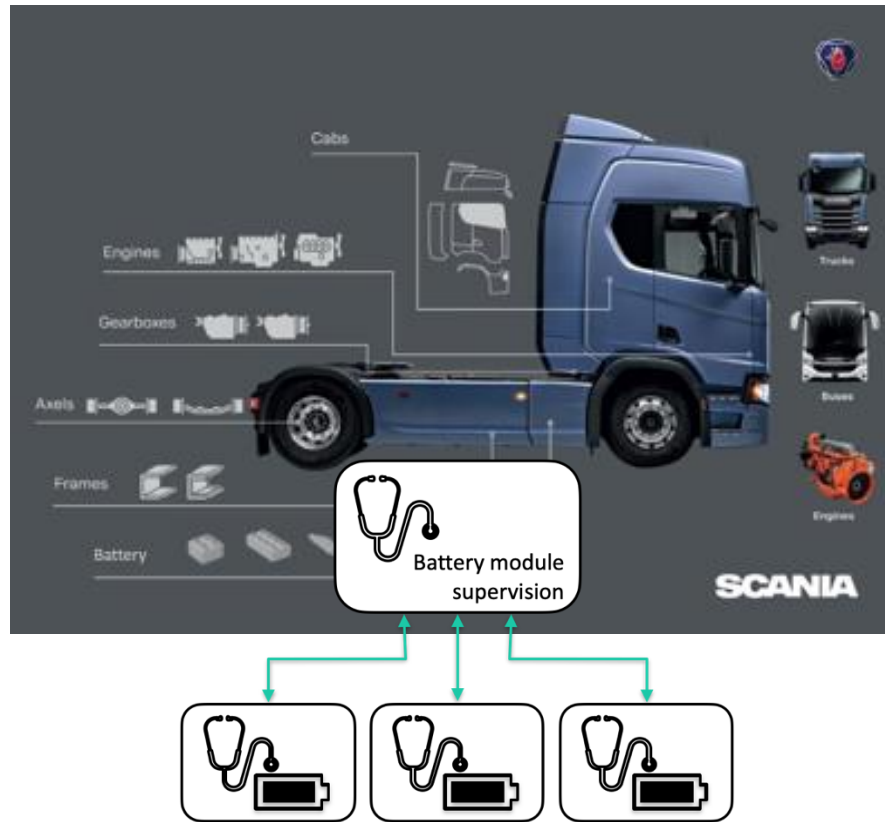


# Diagnostics of dynamically configurable battery systems



The Goal of the Project: Dynamically configurable battery systems for heavy vehicle propulsion are a promising concept with the potential to become a commercial product, enabling more efficient battery use through individual control of battery modules. The flexibility of this control demands advanced digitalization, here focusing on software for diagnostics and monitoring to ensure battery safety and reliability.

Expected Result: To prevent premature aging and battery failure by developing general diagnosis techniques for multimode systems inspired by and demonstrated on a realistic battery setup. These algorithms should support hierarchical computations and thus easily be adapted to a given battery configuration.

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