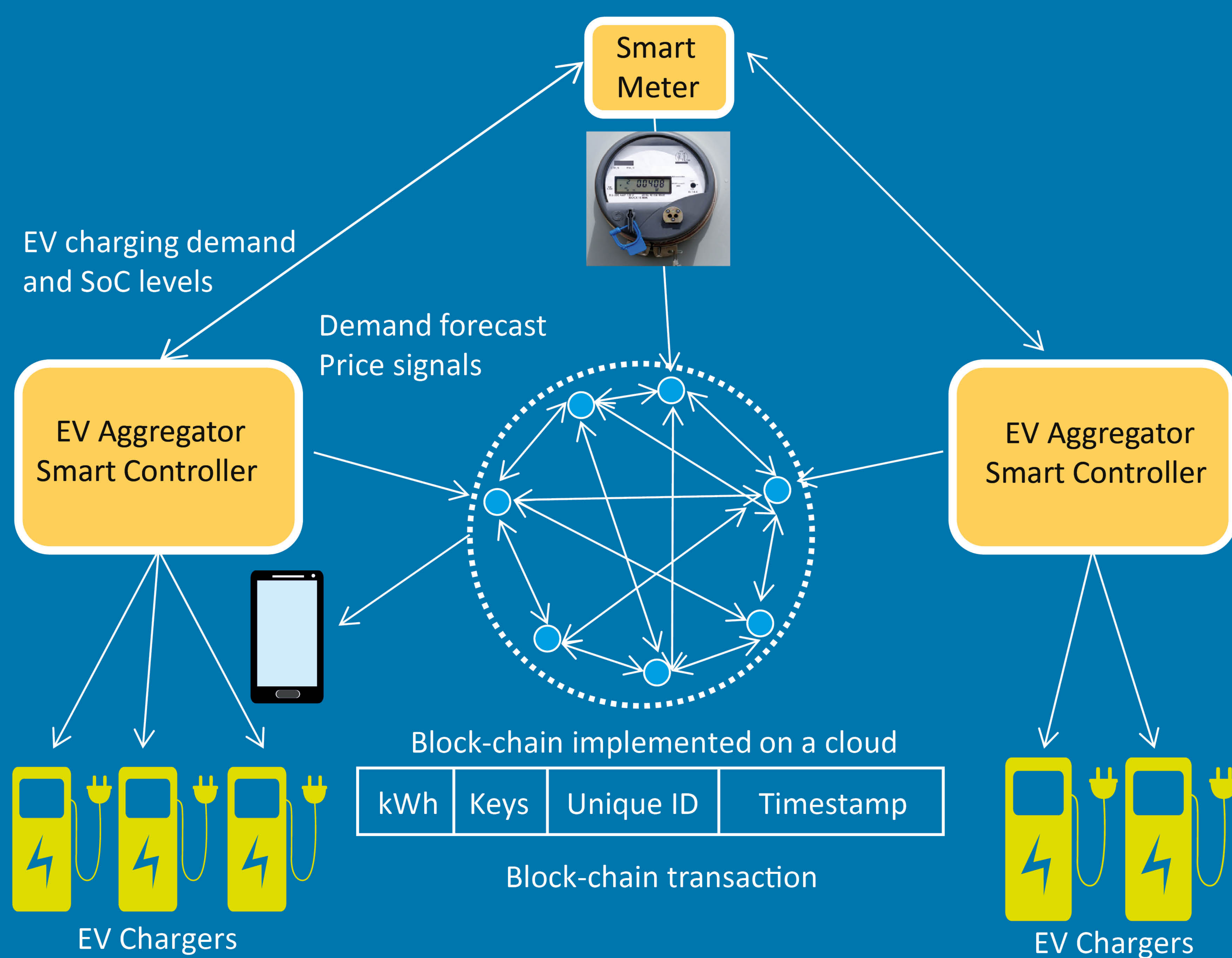
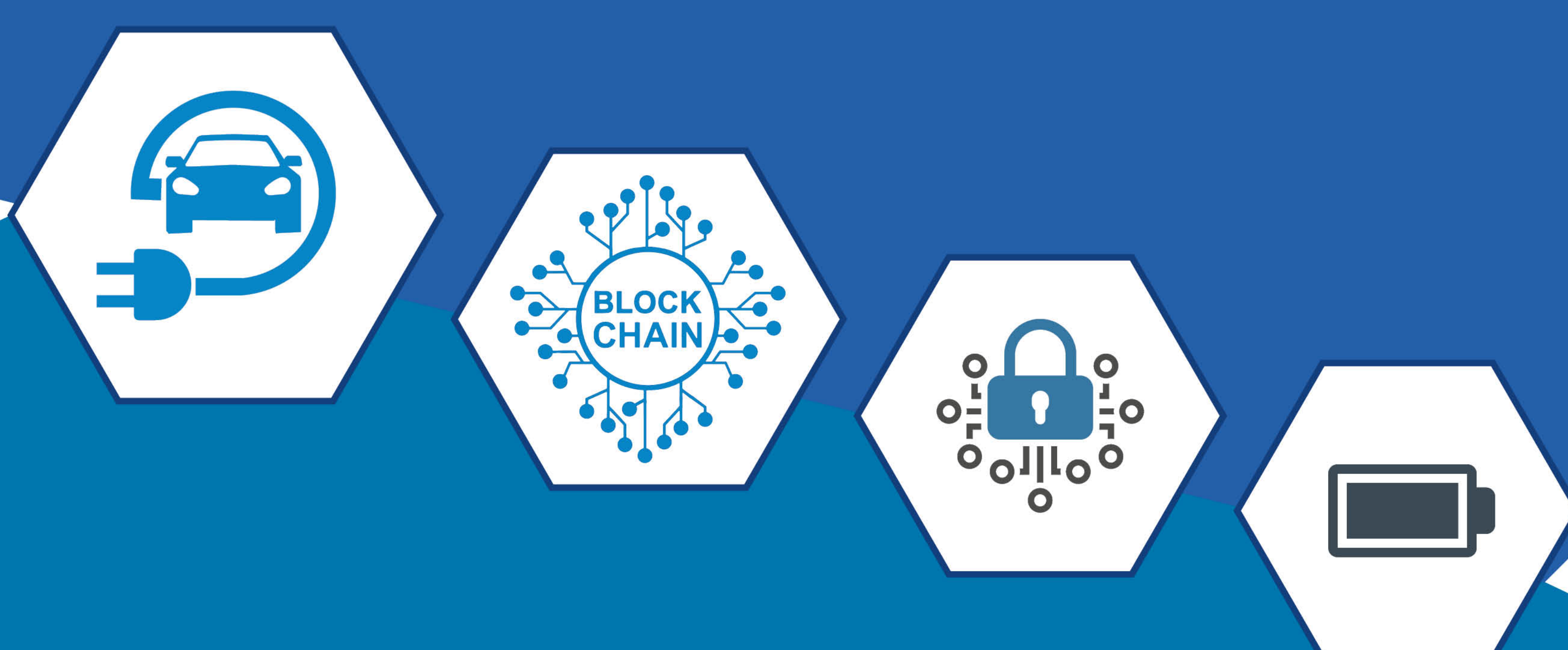


Aggregating distributed energy storage: A block-chain based framework

Objective: Scheduling and dispatch of aggregated Electric Vehicles (EVs) as distributed energy storage units in a Virtual Power Plant (VPP) configuration for supporting the distribution network.



Secure and effective management of huge number of energy and information exchanges by a block-chain. Each actor/agent/smart communicating device will have access to the block-chain, hosted on distributed computing platforms.

Outcome:

- * Self-sustaining, self-managing mode of distributed mobile storage in a VPP
- * Efficiency and ease of transactions in a secure manner
- * Optimal utilization of EV stored power in times of grid-balancing at DT level



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