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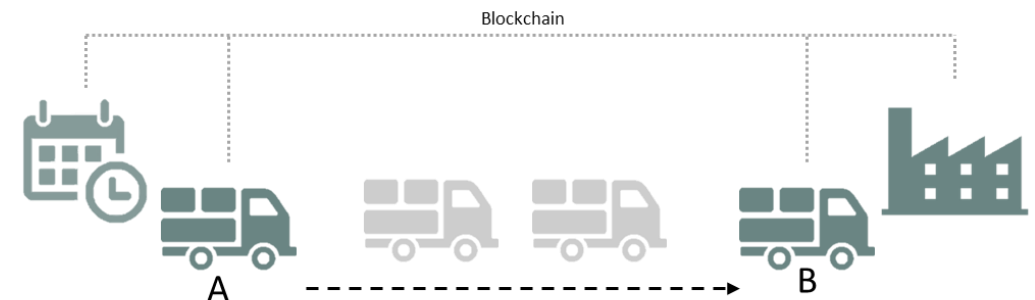
Blockchain in Transport Operations

Challenge

Blockchain technology has the potential to transform the supply chain because the distributed ledger could unify previously fragmented flows of money, goods, information and digital assets. The scope of this thesis includes, but is not limited to, the design and development of a demonstrator of blockchain applications in a simplified transport scenario using an autonomous mini-truck. As an example, the scenario could include following events: placing an order at a “supplier” at point A. Wirelessly track when a shipment is moved from the supplier to the truck. Transport the shipment from point A to point B. Wirelessly track when the shipment is moved of the truck at the “goods reception” and the order is confirmed

Solution / Tasks:

- Evaluate and identify a suitable blockchain technologies and platforms based on the scenario and demonstrator requirements.
- Develop a mobile demonstrator solution where the event recording on the blockchain are visualized in real-time while the transport scenario is being executed.



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