Blockchain Use Cases

Use Cases: Transportation and Logistics

Blockchain in Freight Tracking

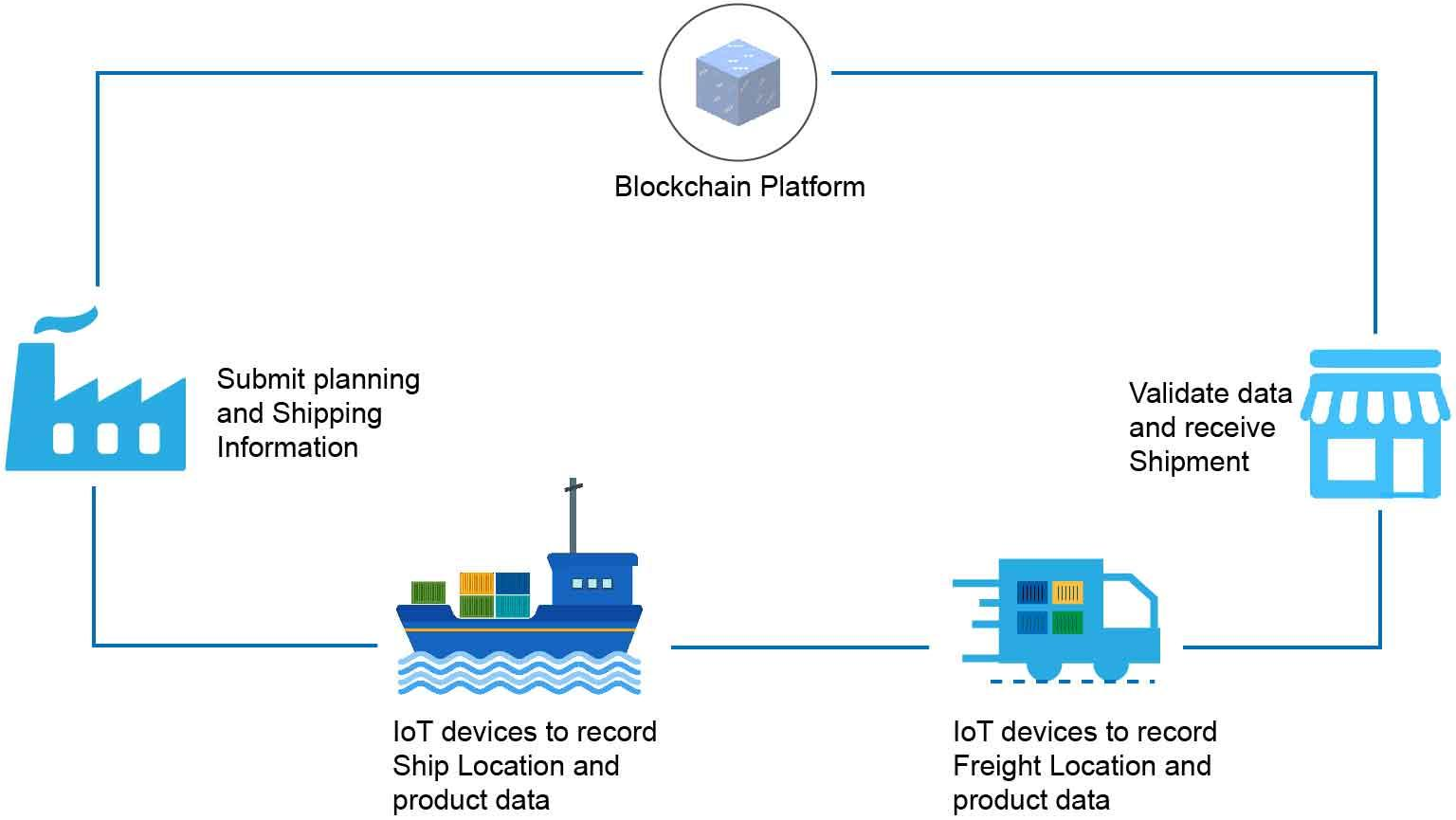
PROBLEM: The current systems which provide and record the data are subject to misinterpretation or manipulation, which can have dire consequences on the global supply chain. Moreover demand for same day delivery has increased the need to innovate.

SOLUTION: A Blockchain based peer to peer tracking system.

- Smart Contracts can be initiated to execute bookings, submit shipping instructions and trade compliance documentation and track shipments.
- IoT devices connected with Blockchain can also record information for refrigerated and temperature controlled transportation, thus increasing efficiency and reliability.
- All the network participants can contribute and validate data.

BENEFITS:

- Cost effective and free from the middleman.
- Increasing data performance and reducing the time taken for operations.
- Provide transparency for all the parties involved.



Blockchain in Vehicle Performance History

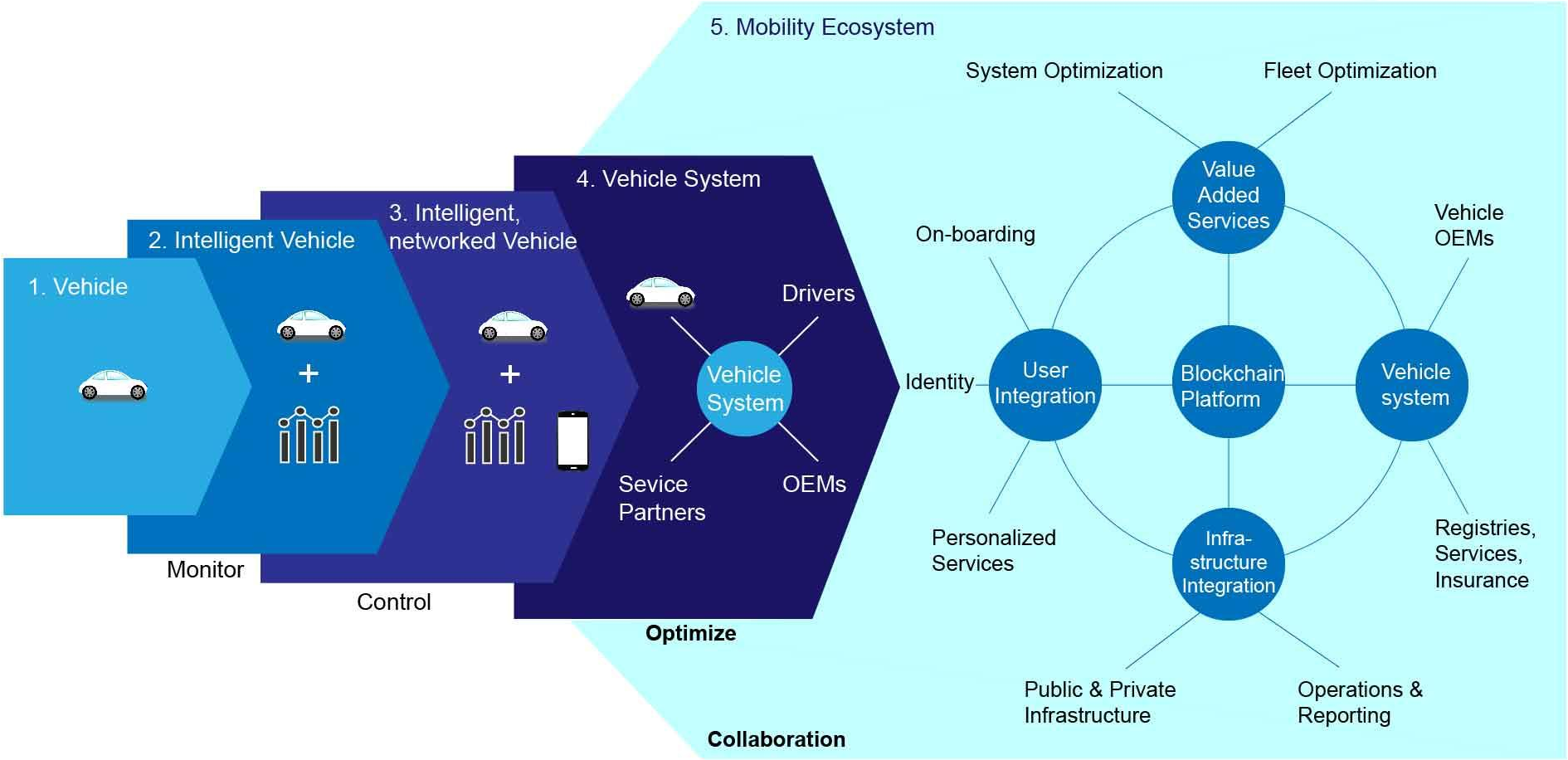
PROBLEM: Currently, industries spent around 5000 USD per year for vehicle maintenance. A big transport industry having over thousands of vehicles, may spend over million dollars.

SOLUTION: A Blockchain based vehicle performance tracking solution.

- Different parts of the vehicles can run IoT devices which will feed information to the Blockchain.
- Checkpoints can be initiated for the parts to provide hourly or daily data to the Blockchain.
- Information can also be authenticated by various analysts before making intelligent decisions.

BENEFITS:

- Cost effective and free from the middleman.
- When a large company or a small business wants to purchase a second hand delivery vehicle, the blockchain can help to authenticate information on the past performance of the vehicle and its maintenance history.



Blockchain for Universal Transit Payment

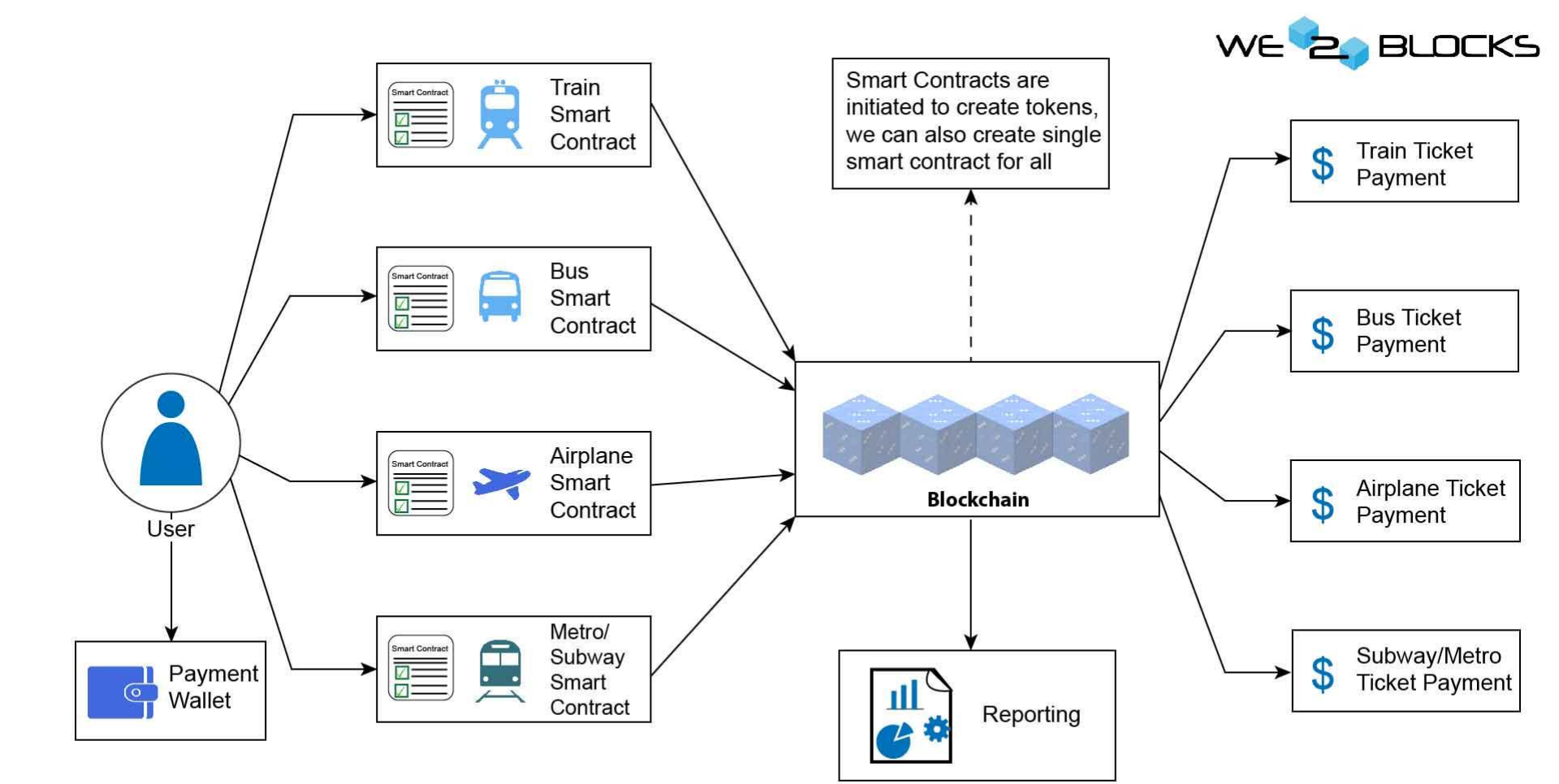
PROBLEM: The process for obtaining and utilizing tickets, especially across different modes of public transport, is often fragmented and time-consuming.

SOLUTION: A blockchain-linked platform with unique “mobility or transit” coins.

- Blockchain can connect to multiple platforms to create a common ground for transit payments.
- Token-based tickets can be issued which will be common to all the transit platforms.
- A single platform for the purchase and storage of digital tickets.
- Smart Contracts can be initiated to maintain and share data between multiple platforms

BENEFITS:

- No longer commutes involve the time and effort of visiting multiple ticketing desks or kiosks.
- Increasing transaction performance and reducing the time taken for transactions.
- Provide transparency for commuters on how much they are spending on which mode of transport.



Blockchain in Payments/Dispute Resolution

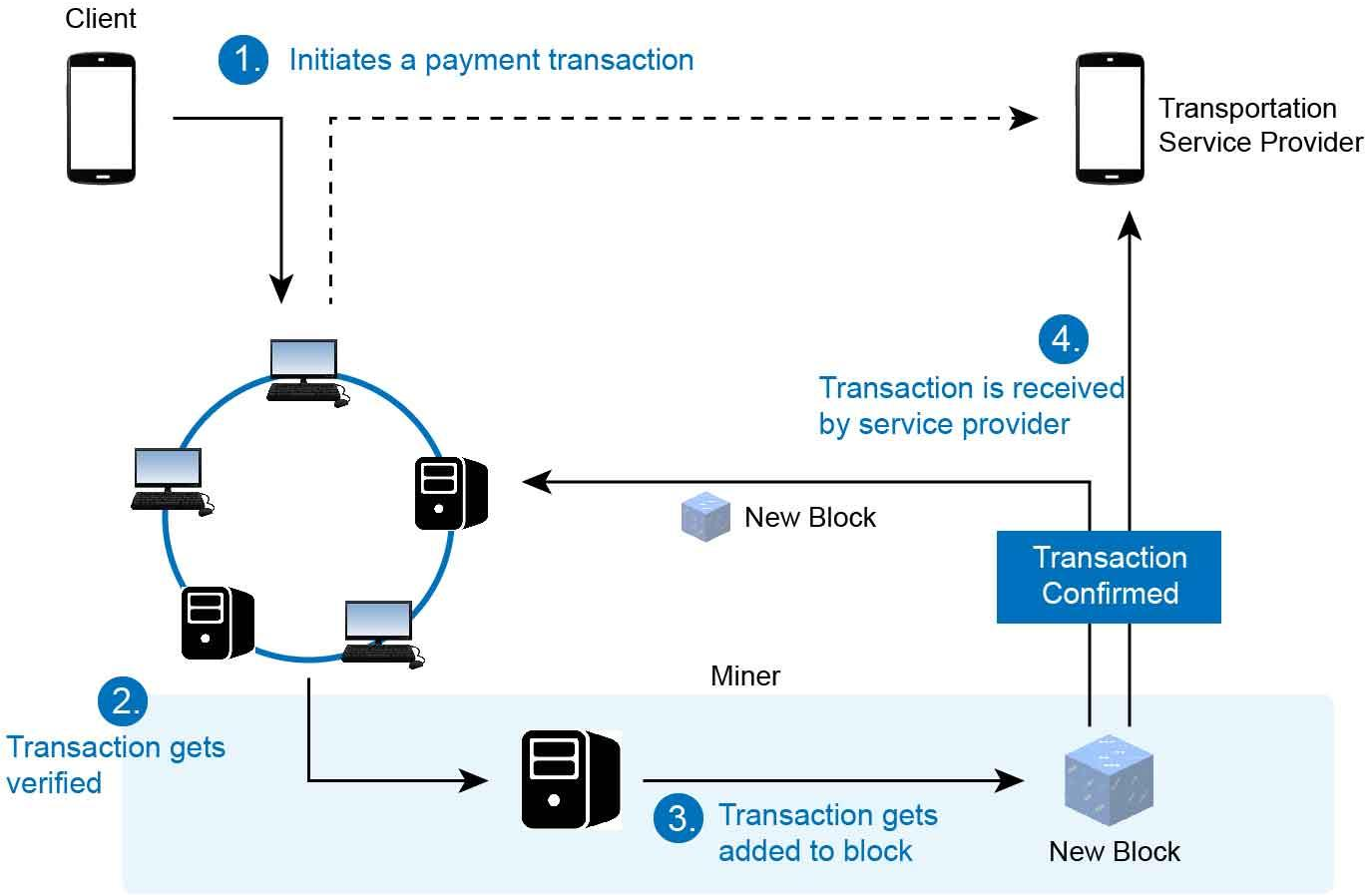
PROBLEM: Currently, there are more than $150 million tied up in disputes in the transportation industry. It also takes about 42 days to resolve payments

SOLUTION: A Blockchain based peer to peer payment system.

- Tokens can be initiated as digital currencies which can be traded between the participants
- Identities can also be maintained over the Blockchain which will help accountability.
- Smart Contracts can be initiated between parties to bind them with rules and regulations.

BENEFITS:

- It would reduce cost and boost productivity.
- It will also reduce time to process the payments
- It will help in freeing up the tied up disputes.



THANK YOU

For more information contact
info@we2blocks.com