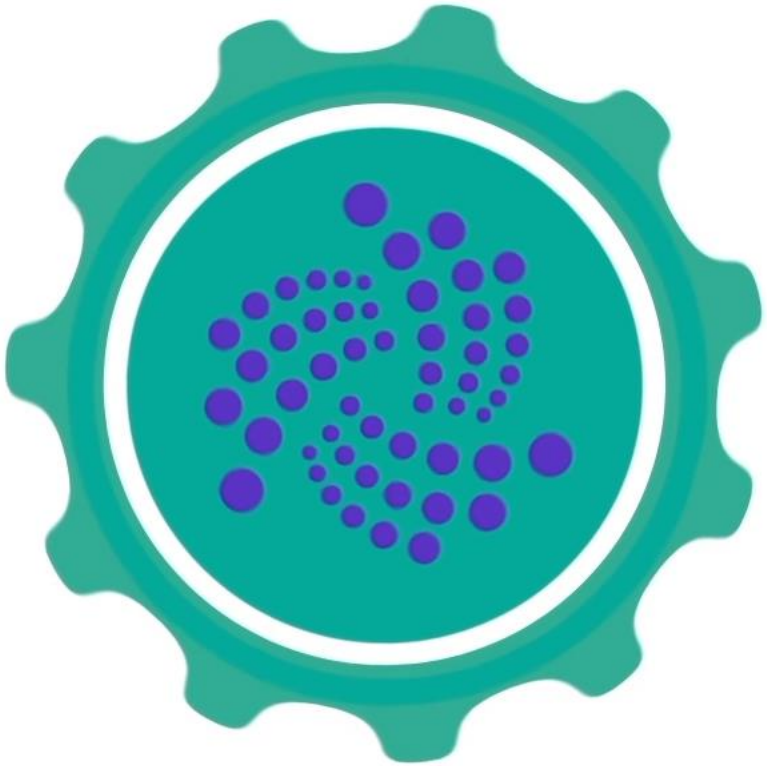
IOTA

2,779,530,283,277,761 i

IOTA's maximum and
current circulating supply

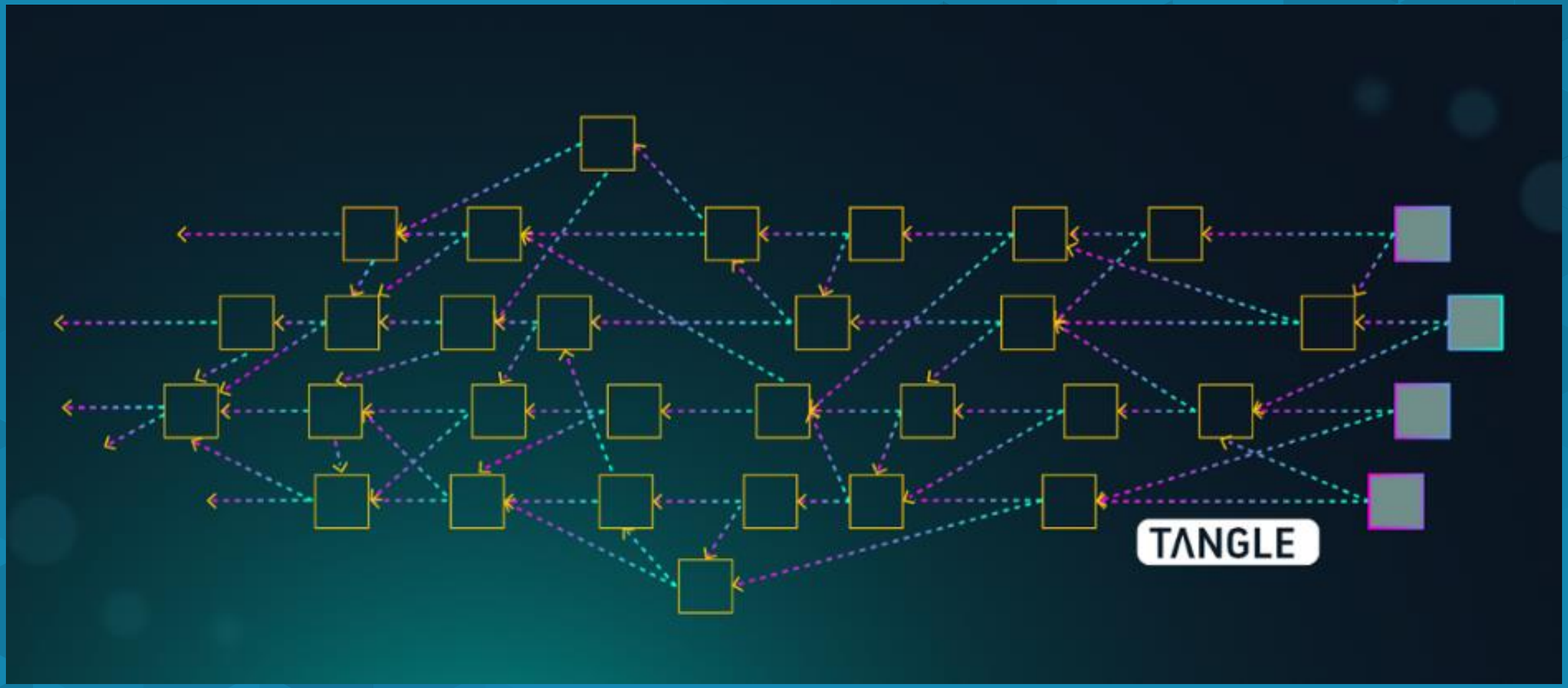
ACYCLIC
GRAPHS



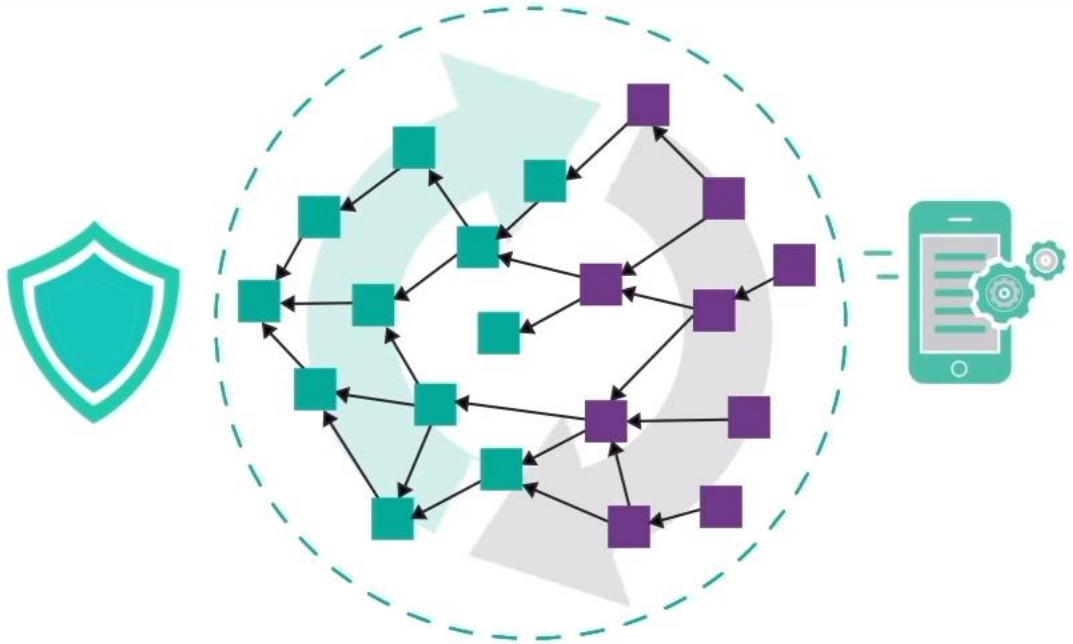
DAG'S

TANGLE

The Tangle is a cutting edge public distributed ledger technology that goes beyond blockchain by making validation of the network an intrisic part of using the network through a Directed Acyclic Graph architecture. It is particularly suited for the Internet-of-Things due to its asynchronous nature and low overhead requirements. In IOTA there are no miners, instead each user is an equal validator.


TANGLE

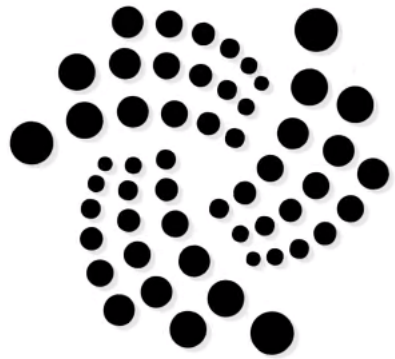
FEE-LESS CURRENCY



PRIVATE KEY

TIP SELECTION MODE

BRANCH MODE



IOTA

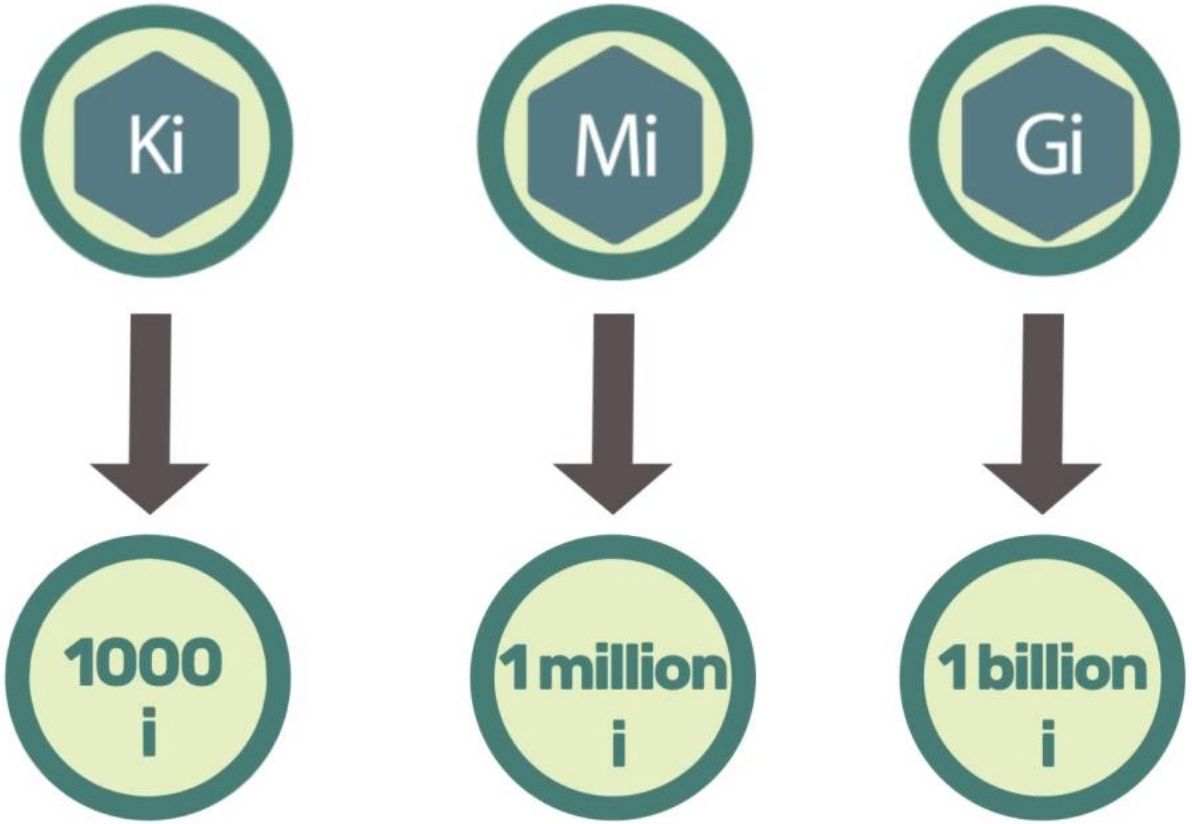
+ 1000 TPS +

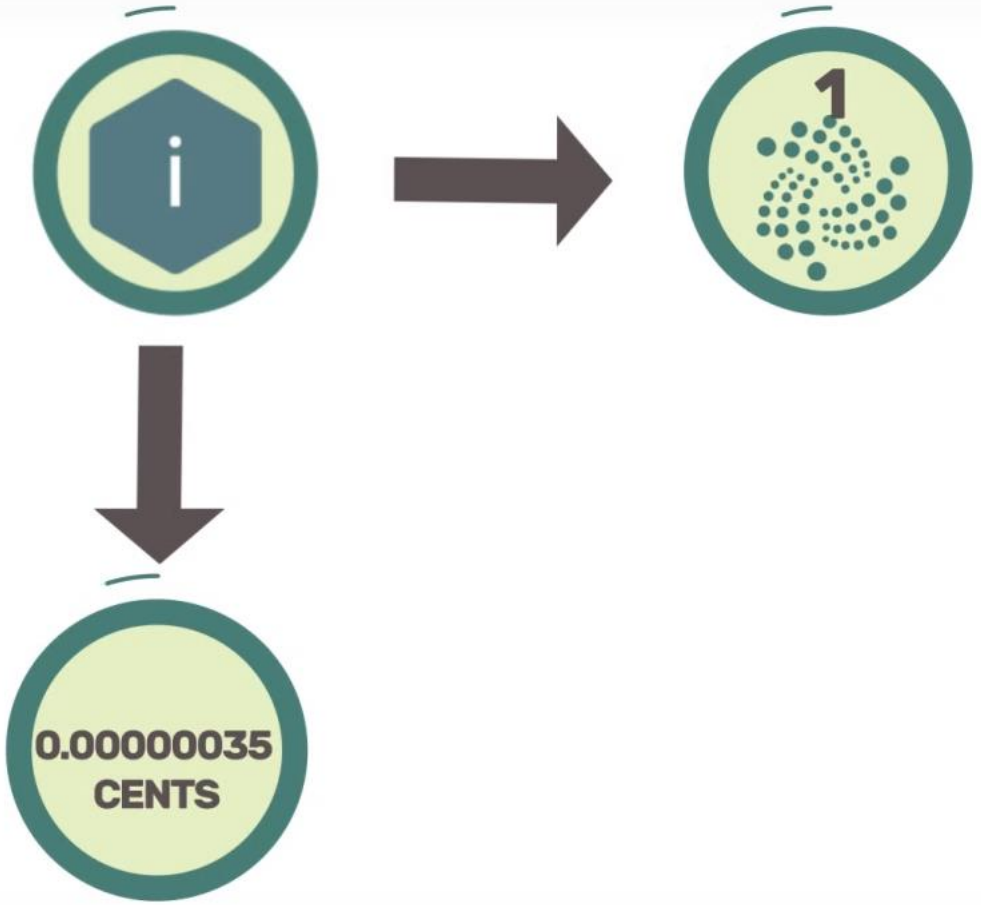
JUST BARELY FALLING SHORT TO RIPPLE

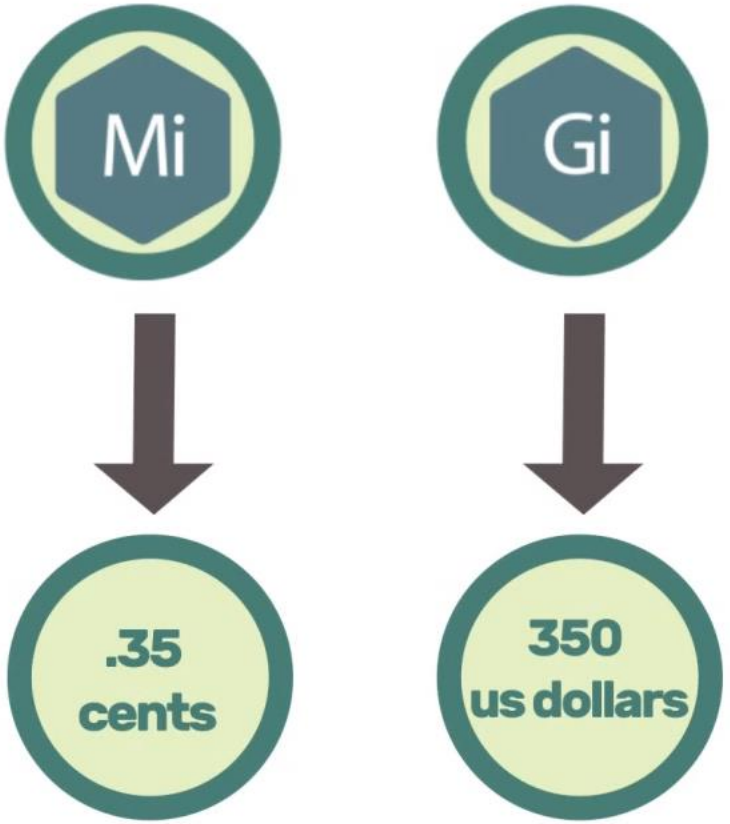
Pi
Ti
Gi
Mi
Ki
i

1 Pi represents 1 Quadrillion IOTA's

Half of the total supply


Ki
Mi
Gi
1000 i
1 million i
1 billion i


i
1
0.00000035
CENTS


Mi
Gi
.35
cents
350
us dollars

MOBILITY
USE CASES

CAR PAYING FOR PARKING

A car can autonomously pay per second it stays in a parking space via IOTA microtransactions. This also enables cars to bid for priority of parking space in a smart city environment.

TOLL STATIONS

Secure autonomous payments from the car to the toll stations (V2I).Thinking further ahead it is feasible through this technology to do away with toll stations all together and instead pay per second one uses the road, making the toll fees fair for everyone, irregardless of where one live or commute.

OPTIMIZED LANING

As the car can pay in real time for services, one can imagine in the not too distant future that cars pay for priority in traffic. In an increasingly autonomous mobility sector this could assist in alleviating on-road congestion and give rise to self-regulating traffic.

CAR CHARGING

EVs is becoming mainstream and undoubtedly is the future of automotive, the largest hurdle is infrastructural support. Via IOTA micropayments cars can pay to anyone who offers electricity, this will create a distributed network of prosumers making money on excess electricity, and the drivers' concerns of finding a charging station will disappear.

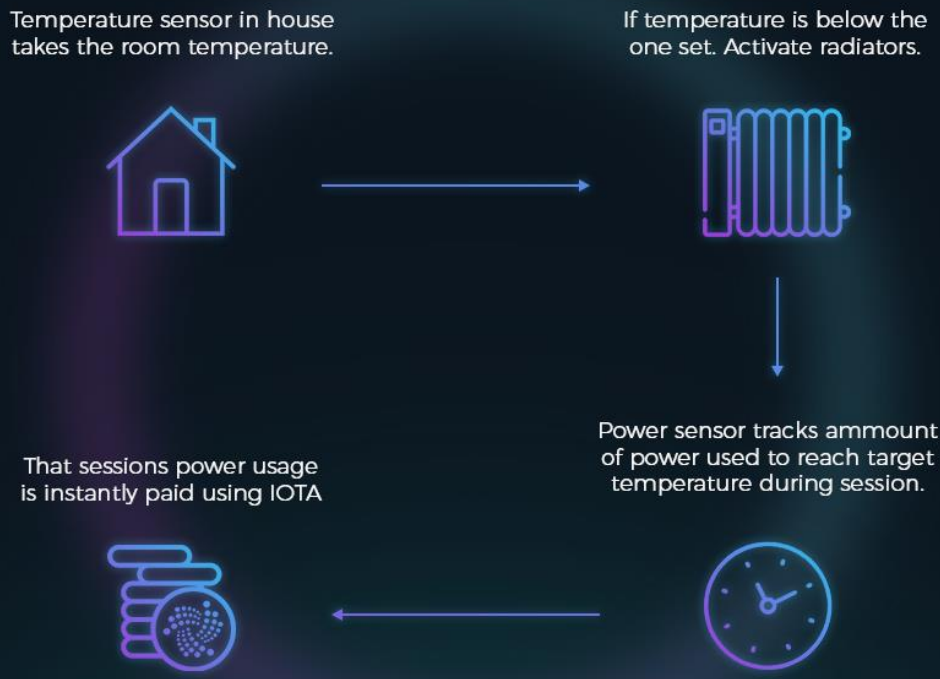
CAR SHARING ECONOMY

An average person's car stays in the garage more than 90% of the time its owner has it. Through the distributed ledger it is possible to open a new and secure sharing economy of cars, effectively changing the entire model of ownership.

PLATOONING

Trucks can reduce fuel consumptions and cut cost significantly by aligning in a platoon, but the problem is that in order for this to be open and fair the trucks has to be able to distribute the benefit evenly to every participant of the platoon. Via microtransactions trucks can pay per second that they are positioned a certain place in the platoon, thus incentivizing all trucks to platoon regardless of which stakeholder they represent.

Real World Usecase
Autonomous Smart Fridge

A smart fridge can check the remaining stock of selected groceries, place and pay orders to the cheapest shop autonomously with iota tokens and get them delivered instantly.

IOTA SMART HOME INTEGRATION CONCEPT