



TRANGO
Trip and go



SHARE AND DRIVE

Developed by Agilia Center



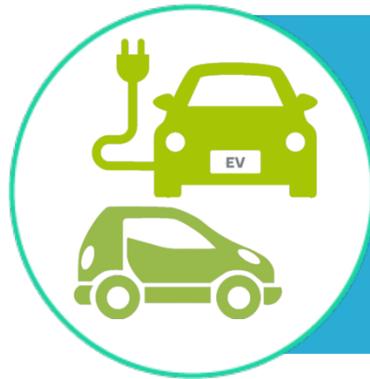
Powered by EGI ACE Project



What is carsharing and carpooling?

- **Carsharing** is a car rental model in which the user rents a vehicle in a short period of time
- **Carpooling** consists of sharing a car with other people on regular and short trips.

The advantages of car sharing



DIFFERENT TYPES OF VEHICLES

User can select among a range of vehicles with less emissions



REDUCE THE NUMBER OF CARS OWNED BY USERS

Reduce number of travels



NEWER VEHICLES

Fleet are changed more frequently, and new technologies are integrated into society faster



SUSTAINABLE ALTERNATIVE

Reduction of 25% for PM10 and of 38% for CO2

The advantages of carpooling



IMPROVED CIRCULATION

Less vehicle traffic and greater movement of people.



LESS TIME PARKING

We optimize especially dense parking areas such as in city centers



COST REDUCTION

It encourages user savings.



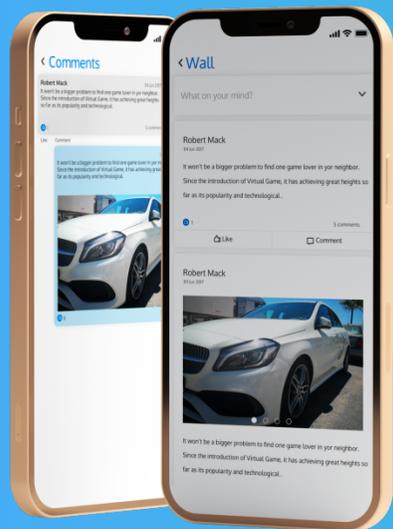
SUSTAINABLE ALTERNATIVE

Reduction of up to 26,3% for CO2 emission in some urban areas

How does Trango work?

The user can choose among the cars available in the area and he can select the vehicle he wants for a specific time. He establishes the destination point and publishes the trip so that other users can share it if they wish.

It also has its own social network with which you can find other members of the community to share your common trips.



We use emerging technologies as the key to change

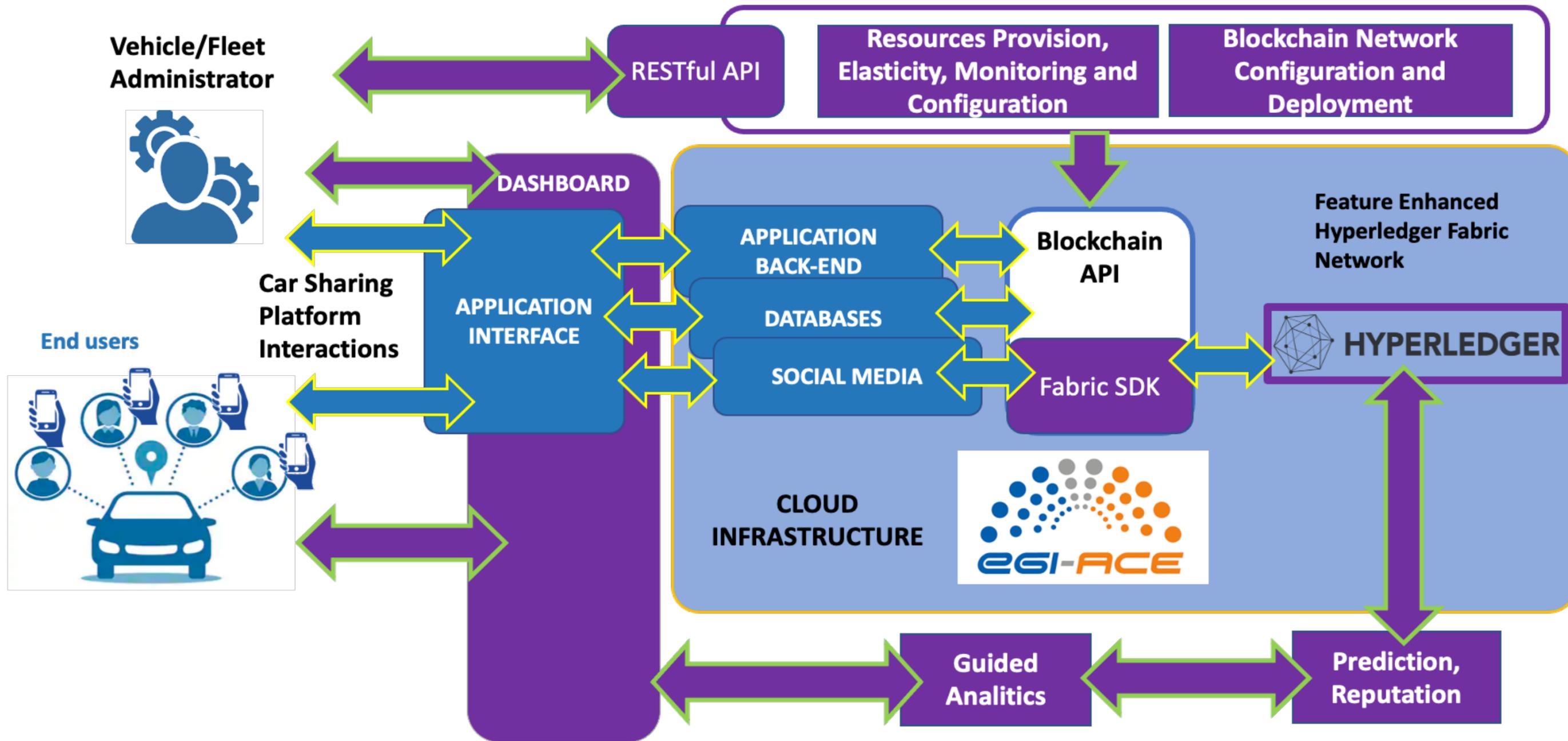
BLOCKCHAIN

We want to improve data and decision transparency, while ensuring the payment And rewards by executing smart contracts on a blockchain.

ARTIFICIAL INTELLIGENCE

Various artificial intelligence modules determine predictions, reputation and dynamic price, which helps to efficiently manage the fleet in a city.

Technical diagram



Blockchain

- TRANGO uses Smart Contract for **decisions** about payment, penalties and the validation of the service
- Ensure the **payment** to the owner
- **Manages the price** and the escrow **automatically** based on past behaviors, number of passengers and the evaluation made by other users
- Record the **history** of the service from the beginning

What do we achieve thanks to blockchain?

DECENTRALISED DECISIONS

Based on geolocation of the occupants, the vehicle and the next user of the vehicle

PAYMENT ASSURANCE

Payment is stored in the contract and finally released upon evaluation

IMMUTABLE RECORD

To evaluate the user reputation continuously

Artificial Intelligence

- **Demand Prediction.** City operators can know in advance the areas of high demand, facilitating the allocation and the size of the fleet
- A **dynamic price** system associated with the prediction of demand suggests the price or rewards to change the destination point in exchange for a discount.
- A **reputation model** also impact on the price for the service and the deposit

What do we achieve thanks to AI?

BETTER FLEET MANAGEMENT

To increase the economic benefits and ROI per vehicle

MATCH CURRENT RIDE WITH NEXT ONE

Change the user behaviour to minimize automatically idle time of the fleet

REPUTATION MODEL

Changes the price and allow other users to decide with whom share the travel

Expected Impacts



USER EXPERIENCE

Decision and penalties are made according to data without central entities



INCREASE THE PROFIT

We optimize especially dense parking areas such as in city centers



OPERATIONAL COST REDUCTION

Reducing the movement of vehicles from



SUSTAINABLE ALTERNATIVE TO CAR OWNERSHIP

Reduction of traffic and emissions



TRANGO

Trip and go



C/Arquitectura, 2,
torre 11, 7ª planta,
41015, Sevilla



info@agiliacenter.com



+ 34 607 482 401

