



Fromm Car

Fromm Whitepaper

Whitepaper(1.0)

2020.02



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Fromm Car

In modern society, the automobile-related market holds a very important position, while the automobile ecosystem is a representative market where trust between participants cannot be mutually identified and verified.

This can be attributed to the inability to share even the smallest amount of information that should be shared for mutual trust among participants in the automotive ecosystem. On the one hand, efforts are underway to solve these problems in the automotive ecosystem by utilizing blockchain technology that has real-time sharing characteristics of reliable information. However, the ongoing projects to realize a blockchain-based reliable automotive ecosystem have problems that are very lacking in strong motivation to address only a limited portion and to encourage participation by the most important participants in realizing a sound automotive ecosystem.

The FROMM CAR platform has a strong incentive to induce full participation of existing ecosystem participants to create a transparent and reliable sound automobile ecosystem, and aims to realize a sound automobile ecosystem based on the fair distribution of value of participants. To this end, the company aims to secure the reliability of the ultimately sound automobile ecosystem, starting with the urgent market for reliable used cars. For this, first of all, starting from the most reliable used car market and then encompassing the related vehicle-related item P2P shopping mall and the car total management portal site (maintenance and car washing reservation service), we will eventually secure the reliability of the most sound car ecosystem.

We would like to start with the mechanics and mechanics who play the most important role as the first step in realizing a healthy used car market. This is because the key success factor in the healthy used car trading market is to secure the current ecological information of reliable used cars. To this end, the government will come up with a reasonable compensation system so that participating in the blockchain-based sound used car trading market will be inline with the interests of the repair shop. Of course, we will also come up with a reasonable compensation system for participants in our healthy used car trading market. The FROMM CAR project that we want to pursue is a short-term goal of realizing a blockchain-based sound used car trading market.

Currently, the FROMM CAR project has completed a business agreement with the association, which is participated in by most of the repair shops, and intends to expand into a sound automotive ecosystem by promoting close partnerships with automobile company and automotive parts manufacturers in the future. The FROMM CAR project will issue cryptographic FCT tokens for a reasonable reward system for all activities of participants. In particular, FCT tokens utilize locally developed blockchain Platform FrommCar Chain, which also wants to contribute to the development of domestic blockchain ecosystem.

The FROMM CAR project will issue cryptocurrency FCT tokens for a reasonable compensation system for all the participants' activities. It also aims to contribute to the development of domestic blockchain ecosystem (dapp).

The public's trust in the used car market is very low.

The used car market is also considered a lemon market in countries around the world. The market where a product of which is unused and unknown quality is traded is called the lemon market, lemon here means a defective product in slang.

The situation is so serious that it is safe to say that there is no place to trust a used car due to many problems such as false sales, manipulation of performance records, excessive proxy fees and fees, transaction amount fraud, and forced sales.

When purchasing used cars, it is difficult to check the transparent records of vehicles to the point that they are already thinking about, and even if they are used for crimes such as illegal distribution and illegal trading of parts, there was no system to check and track them.

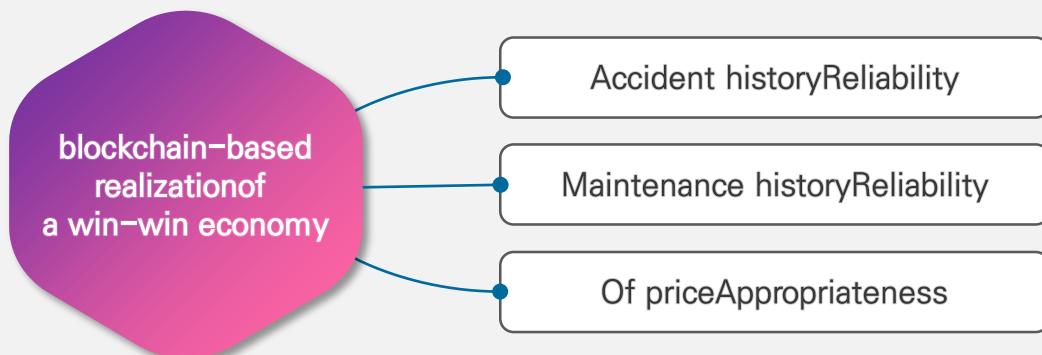
Fraud and criminal activities are occurring frequently in used car dealerships. The company also registered low-priced fake goods, cheated consumers, showed other cars, induced purchases, manipulated mileage, or sold cars with reduced accident size and hidden waterlogged traces. In most cases, when a vehicle owner sells his or her own car or purchases a used car, it is difficult to sell or purchase it directly to an individual, and hence visits a dealer.

In this case, the sales agency presents an unmarketable amount and defraud or excessively adds proxy fees or fees. In severe cases, there are also a growing number of ways to force unsuitable cars to be purchased.

To solve this problem, **FROMM CAR** will authenticate with **FROMM CAR** when registering a car on the exchange platform, delete any sales sold through real-time information updates immediately, and secure transparency and reliability of car history management through data from dapp ecosystem participants to solve performance register manipulation or excessive proxy and commission problems.

In addition, through the certification system for used car sellers and the reassurance system for registered used cars, we will secure reliability and solve such problems as forced sales.

Problems and solutions



Chapter 3. Vision and Objectives

Blockchain-based automotive ecosystem platform FROMM CAR
aims to form a transparent and reliable healthy automotive ecosystem.

In particular, FROMM CAR is a platform that can be carried on by participants in the existing automotive ecosystem (customers, car parts manufacturers, car companies, repair shops, etc.). To create a transparent and reliable sound automotive ecosystem, the mission and vision are defined as follows.

Mission

Stage1

Implementing a sound used car trade platform based on blockchain

Stage2

Car Total Management Portal Site Including a Car-Related Shopping Mall

Stage3

Implementing a sound automotive ecosystem through a blockchain-based automotive life cycle platform

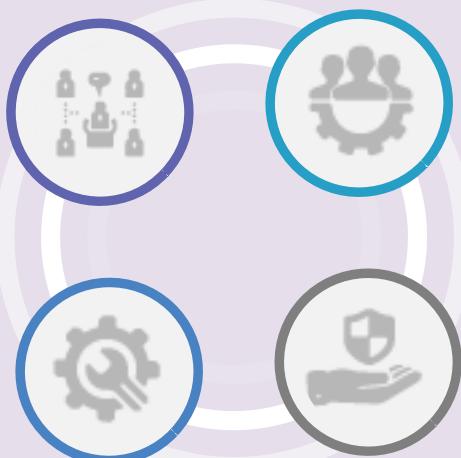
Vision

Global NO.1 Automotive Ecosystem Platform Services

Core Value

A win-win model of participants, especially a work agreement with technicians and maintenance facilities.

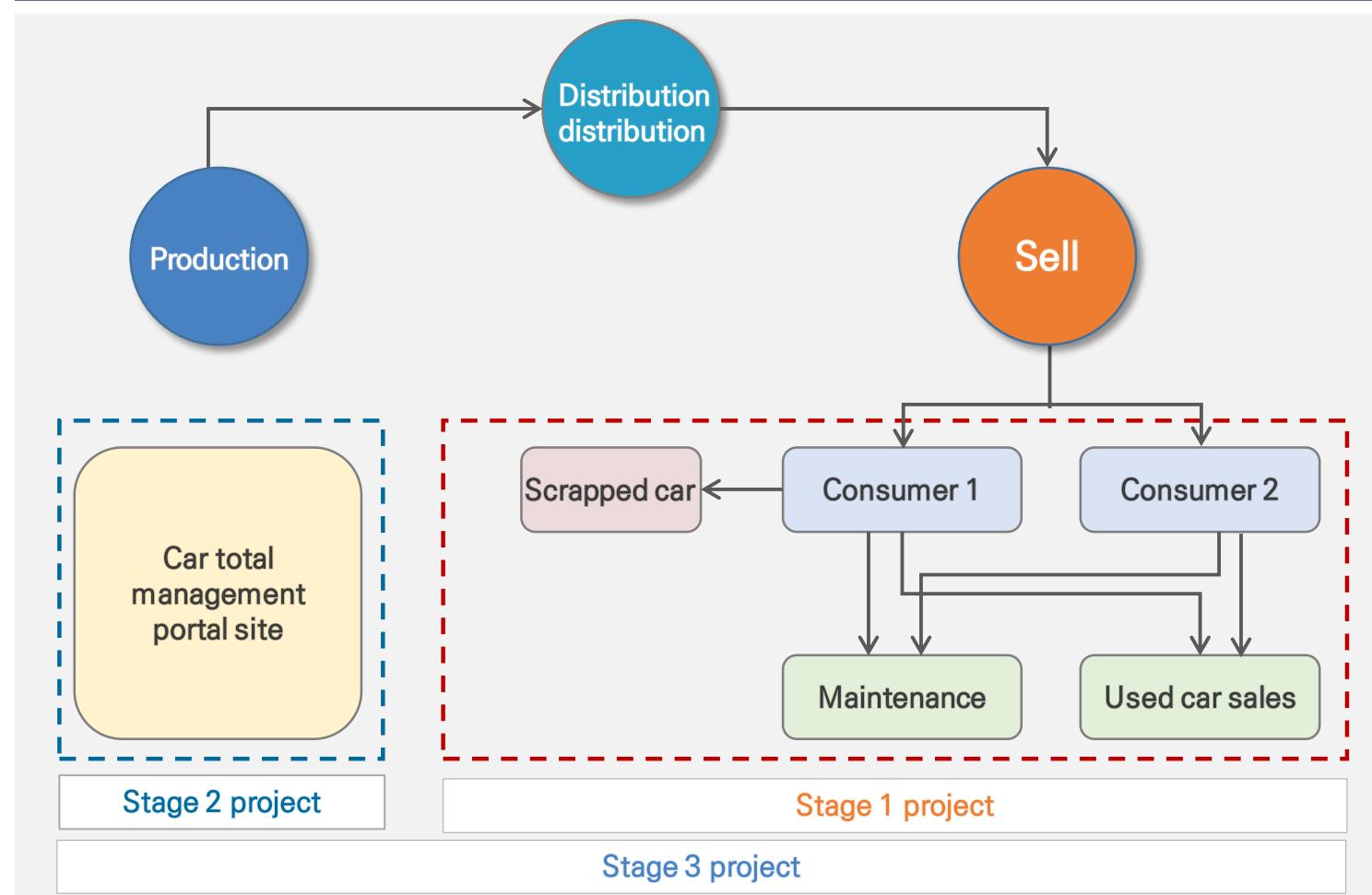
Convention on Work with Car Parts Manufacturers and Automakers



Total Management of Automotive Industry with Experts

Secure customers' safety

Car life cycle and step-by-step business



Data construction



FROMM CAR shopping mall

Fromm Car

Car
history inquiry

Buyer

►► • User maintenance history

FROMM CAR provides services to the user with an application. The application provides a total service for the vehicle and collects data on the user's vehicle. The user is rewarded for entering the data.

After the car purchase is made, you can download the application and register the car to synchronize the mileage, fuel economy and vehicle information of the car. You can also set up service notifications as you want. If you choose additional services, the application will let you know when to replace consumables such as engine oil and mission oil.

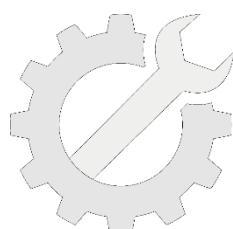
You can get a quote for the necessary parts or consumables at various service centers registered in the application. You can make a reservation at any time, and pay with coins.

You can make a reservation at any time, drop off your car, and pick it up any time you want.

Also, you can register the chauffeur service through application and transport the vehicle at any time you want.

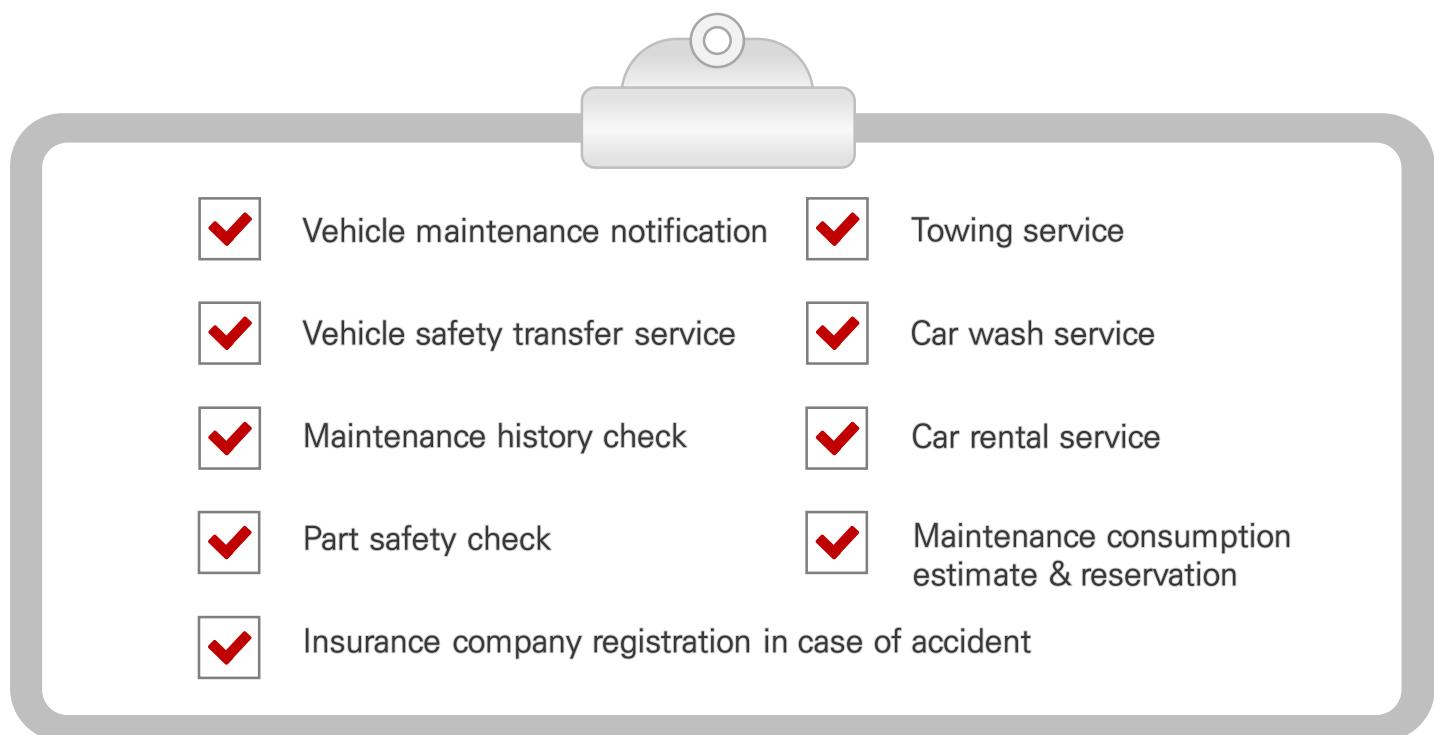
If you register an accident with an application, you can register the accident with the insurance company. You can safely handle the accidents, such as towing, accident registration, service center and etc. And you can also choose a service center and tow the car.

The history of car accidents is automatically stored in the blockchain as insurance companies and maintenance centers are linked. The details of repair and replacement of parts are automatically registered while maintaining the vehicle, and it is easy to find out which parts have been replaced.

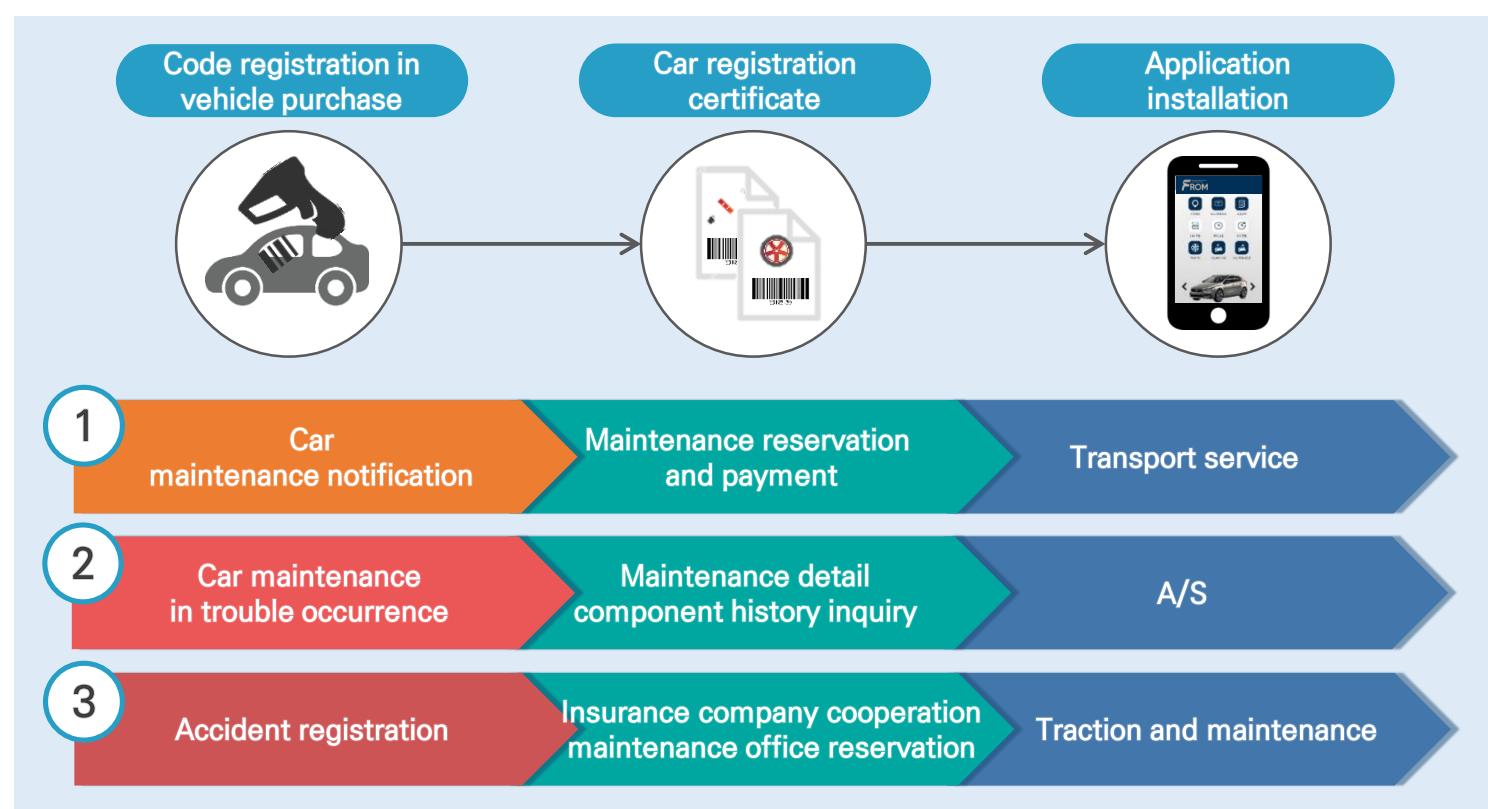


Chapter 4. BusinessModel

In addition, as an application service, a car wash system and a chauffeur service are being prepared for a system that can be safely received where desired.



These systems will be developed to facilitate the development of the FROMM platform



► • Maintenance details of the repair shop

It receives data on vehicles from about 6,800 first- and second-class mechanics nationwide.

About 6,800 repair stores in the 1st and 2nd class nationwide receive data on the vehicle.

Receive data on the car, maintenance, repair history, parts replacement history and accident history.

Rewards will be paid for providing the data.

In other words, when the vehicle was produced, it is provided with a detailed history of what parts were replaced with, whether they had been received maintenance by flooding or accident, and if they had been repaired, which parts were repaired and maintained consistently.

It is also convenient to investigate the cause of poor maintenance.

The system has been developed so that each part can be easily checked by entering blockchain code, and each part can be inquired for details due to a coding transplant.

You can check the parts history such as which parts were replaced, manufacturer, etc.

In addition, since you can check the manufacturer's year and month of replacement parts, you can check the detailed maintenance records. After parts are shipped, year/month/time and specific coding can be ported to each part for inquiry and confirmation. Even if a problem occurs after the repair, it is easy to investigate the cause by checking the history of the parts.

As the details of the parts can be checked, the maintenance cost can be compared and quoted.

As a result, it will provide transparent information to consumers, and build a reliable system development.



[**coincode system application**]
car purchase
code generation



[**Service check guide**]
Car unique code
car inspection
information sharing
and guidance



[**car inspection**]
information on the
Car safety preparation

[Service checks are available on the
Internet and mobile]

▶ • Parts management

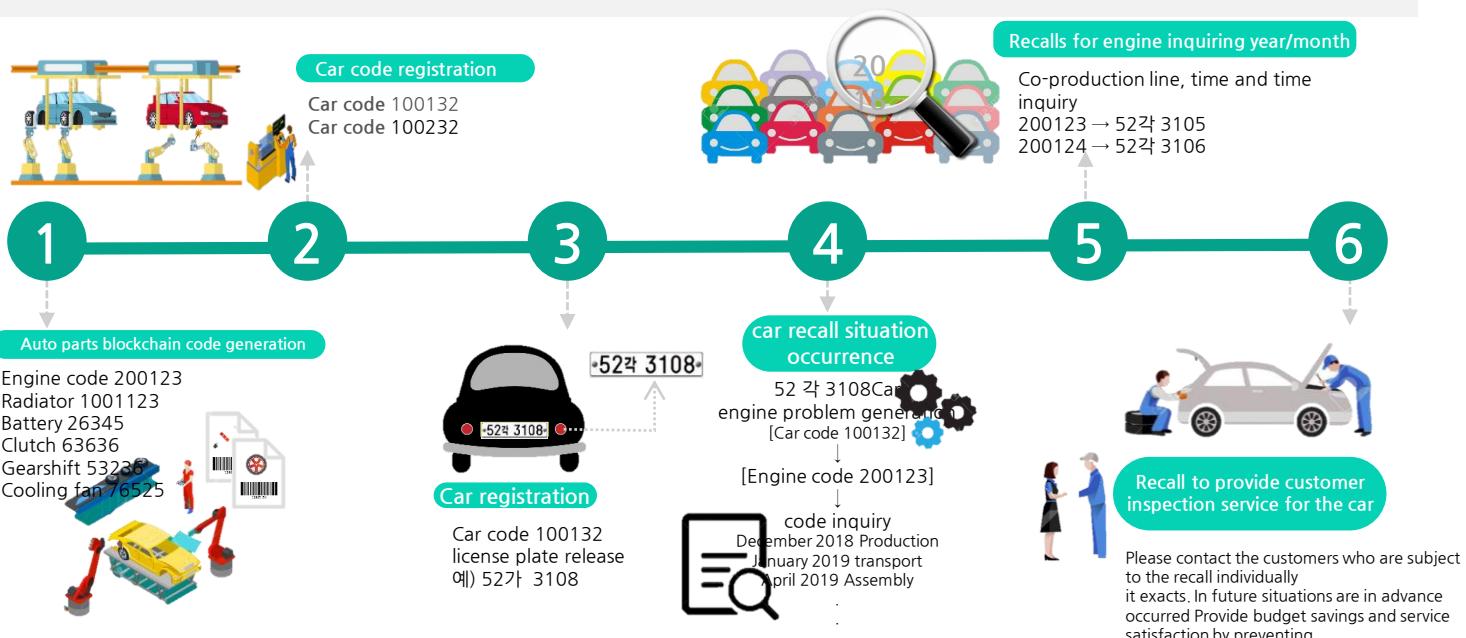
The FROMM platform plans to ensure that the accurate information can be contained in the blockchain until the product is completed.

For each part, the system is set up so that necessary information for tracking such as manufacturing date, time, and production line is recorded on the blockchain to be checked at any time.

The system of code issuing distribution tracking system FROMM is,

Blockchain code is issued to each component when it is first produced by the factory. With the issued blockchain part, we can easily know the path of its travel and where it is used, and where it is produced and attached to which vehicle. It is possible to track cars and auto parts. In the existing system, it was difficult to identify the cause when quality-related claims occurred. If the platform of FROMM is introduced, the distribution history of every single component can be traced so that the matter of responsibility and the problem can be prevented in advance. Classified information that does not want to be disclosed is equipped with the ability to manage without being exposed in the platform.

Information disclosed due to the sharing of details of coding quality can be checked directly, including customers, thus the transparent and fair inquiry and sale are possible. Also, due to the detailed history of coding that can be inquired, quick service and smooth inspection service are possible.



►► • Used car shopping mall

Used car transactions are also transparent

In FROMMCAR, only vehicles with blockchain code can be registered, and the system is equipped with a system that allows buyers to directly check important details regarding the purchase of the car, such as the date of purchase, driving distance, accident history inquiry, and parts replacement inquiry.

Used car operators can also register, and it is a vehicle transaction shopping mall that allows easy and convenient insurance, registration, vehicle verification, and vehicle purchase with FROMMCOIN payment so that individuals can register and purchase their own sales.

Differentiation



Maintenance service repair inquiry function

FROMM's fully coded cars provide easy access to component history, car information, maintenance, repair history, parts replacement history and accident history. In other words, if you're under maintenance, you can query the car history of when the car was produced, which parts were replaced by what, what was submerged or repaired by accident, etc.



Car history inquiry service

In the FROMMCAR, all the information about the vehicle such as the date of production of the vehicle, the history of parts replacement, driving distance, accident details, can be prevented from forgery and tampering, and the individual can identify the details of the information.

►► Subscription process and how to purchase

Personal sales registration is possible only with a simple membership registration procedure, and a company with a business registration has a separate subscription procedures. Vehicles need to have the platform code of the FROMM to be sold.

When registering a sales article, you should check the accident history, appearance and internal condition of the car carefully, write it in document, attach a video file of the problem and the detailed condition of the vehicle.



With the FROMM platform's system, the buyer who read the article can review all the details of the car's history, such as the purchase details, parts details, maintenance history, accident details, waterlogging details, parts replacement details, insurance registration details, etc.

It is a system where the buyer, after signing up, can access anytime, anywhere by providing a certain amount of FROMM coins. After checking the history of the car, buyer can check the status of the car with a separately attached video. Buyer can check all the appearance, internal condition, and component status through the video.



If the purchase decision is made in accordance with the condition and history of the vehicle and the condition of the exterior and interior conditions that are registered, the purchase can proceed.

Car purchases are available in FROMM COIN. Even though the purchase is proceeded, coins that are immediately deposited are not transferred to the seller, but deposited to the FROMMCAR as a safety system. FROMMRCAR shall manage the purchase confirmation and vehicle registration until it is handed over to the buyer.

▶▶ • 가입절차와 구매방법

At this time, if you get a car loan from a financial company, you can choose the financial company on the separate page. When you proceed with the purchase of a car loan, the financial company will automatically pay you for the car purchase. At the same time, the purchase request at FROMMCAR is automatically done. On a separate page, it is planned to build an easy comparison of interest rates and loan amounts.



After depositing, the car can choose the transport system it receives. After deciding whether to receive a car by a convoy or a surrogate driving system, a coin payment is charged separately for the shipping cost. If you do not want to use the delivery system, you can go directly to where the car is. The buyer can check once again if it is the same car that is on the video when the car is safely delivered. At this time, if there is any different part from the one in video, and the buyer cancels the purchase, it is possible to request a return. In the case of a return with a simple remorse, the buyer pays the shipping cost. And in the case of seller's reasons, the seller has to pay the shipping cost.



If it is determined that there is no problem after checking the vehicle, the buyer carefully compares the insurance with the car registration service provided in the FROMMCAR, registers the desired insurance policy, and proceeds with the registration of the car.

At this point, insurance and registration taxes can also be paid with coins. Purchase completion is automatically carried out at the time of registration. The purchase amount is delivered to the seller.

- • seller subscription procedure & purchaser subscription procedure

* Acquisition tax, registration tax and insurance

FROMM CAR shopping mall

seller subscription procedure		purchaser subscription procedure	
STEP 1	Car history review	STEP 1	Sign Up
STEP 2	Car photographing	STEP 2	Sales car inquiry
STEP 3	Car registration	STEP 3	Car purchase and handover
STEP 4	Car handover	STEP 4	Completion of purchase after registration of document
STEP 5	Deposit completion	STEP 5	Application service registration

01 Used Car Trading

For reliable used car trading, the participants of FROMM CAR are largely composed of **car service garages, used car trading centers and consumers**.

Car service garages play the most important role that secures the reliability in accident and maintenance history, which is the most important in used car trading, and thus they are the core participants in FROMM CAR business.

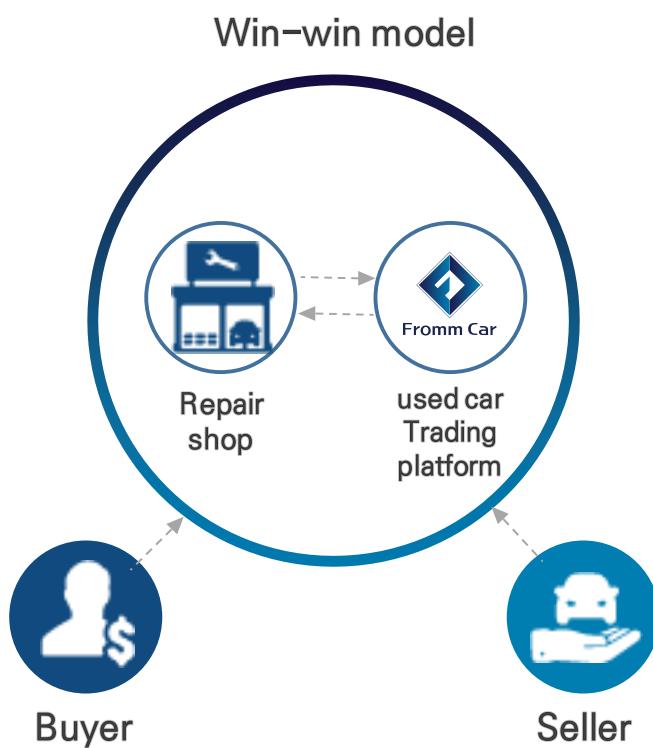
We will classify service garages into sound garages and general garages, and set up a cooperative relationship with them. For this, sound garages refer to service garages that abide by the FROMM CAR's rules for co-prosperity, and all others are general service garages.

Car trading centers also play an important role in the reliable used car market such as securing the reliability of car history and the appropriateness of the price. In reality, perhaps, they will play the core role in the used car market. FROMM CAR shall play a role of a reliable trading center in the used car market.

The success of FROMM CAR entirely depends on the close cooperative relationship between car service garages and us, which shall secure the reliability of used cars.

We will use blockchain technology to build a co-prosperity economy model that allows mutual benefits between service garages and us.

FROMM CAR Business Model Diagram



01 Used Car Trading

The most important factor for the success of FROMM CAR is to secure the reliable history data of used car accidents and repairs through a close cooperative relationship with service garages (car service engineers).

FROMM CAR shall build a blockchain-based co-prosperity model in order to secure the reliable history data of used car accidents and repairs.

The basis of the blockchain-based co-prosperity model is to build a sufficient compensation system according to the roles of participants so that service garages (service engineers) will get more benefit when they perform their role in the FROMM CAR co-prosperity model than when they do not. For this, we will define clearly the role of each participant, and compensate them when they fulfill their role to lead service garages (service engineers) to playing their role as a participant of FROMM CAR voluntarily and faithfully.

Of course, such a compensation system applies equally to used car buyers and sellers.

02 Car related shopping mall

FROMM CAR plans to secure the trust of car owners on car-related items as well as to build a close cooperative relationship with service garages to certify reliable used cars.

To this end, we also plan to build and operate a car-related blockchain-based P2P shopping mall. This will ensure convenience and reliability in car management by providing the authentication and distribution system of the products essential for car performance and management to owners who carry out simple car management by themselves. Therefore, we will establish a close cooperation with car-related product manufacturers and distributors for reliable authentication and distribution systems of car-related products.

We will also support our customers in car management in real time through a cooperative network with car experts. Of course, we will also set up a reasonable compensation system for car experts based on their roles. This will be part of creating a co-prosperity economy with car experts and customers. As explained earlier, this is because trust in related items is also necessary to secure reliable used cars. In addition, in order to reinvigorate such a reliable used car market, we will also create a good customer system or good business system for customers using a car-related blockchain-based P2P shopping mall operated by FROMM CAR and companies opening their shops in the shopping mall, and thus establish a reasonable compensation system based on the contribution to P2P shopping mall reinvigoration.

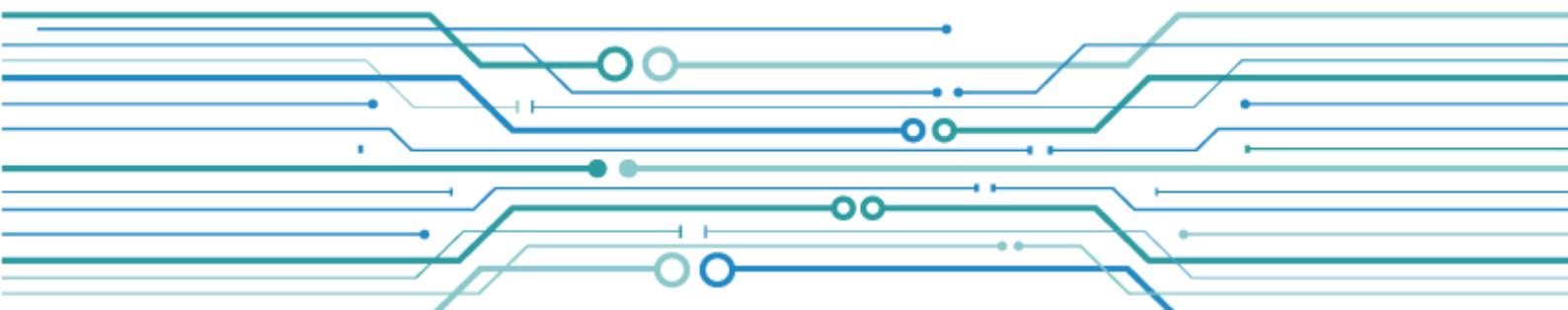
03 Car-related Total Life Information Service

FROMM CAR will be expanded to a car life total services related to cars to facilitate the FROMM CAR service as well as used car trading and the P2P shopping mall. This will play an important role in securing FROMM CAR service customers.

Firstly, we will provide the reservation service for car maintenance and car washing to customers who use the FROMM CAR service. FROMM CAR will build a reservation service for car maintenance with service garages that already have a cooperative relationship with us to secure the convenience and promptness of car maintenance. On the other hand, in parallel with the maintenance reservation, we will also build a car wash station reservation service necessary for car owners.

We will also provide a number of life service information related to cars for the role as a car-related total service site. Examples include new car information, car travel information, and fantastic scenic drives. Of course, to make such information reliable, we will build a cooperative network with experts in each area, and secure the data reliability based on the experiences of customers. Furthermore, we will implement a mutual compensation system to make it a sustainable service by securing the reliability of such information.

Car-related total life information service will be offered to customers free of charge.



Currently, many operators are pushing forblockchain-based used car sales projects like ours. However, it is not too much to say that the most important success of the used car business depends on a win-win model with a garage (auto mechanic) that directlyrepairs the car.

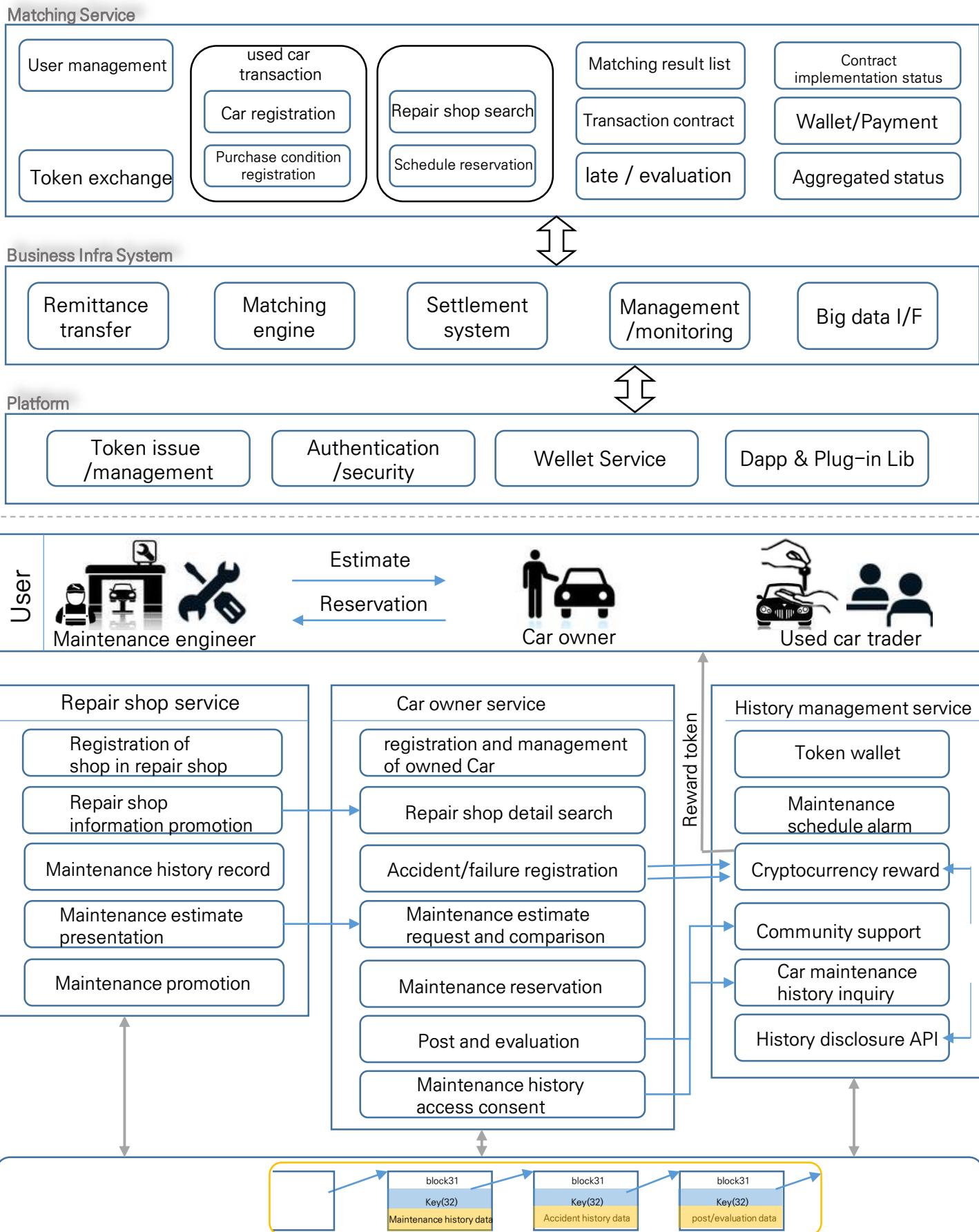
Reliable and sound used car sales can only be established through closepartnerships with customers, maintenance shops, auto parts manufacturers andautomakers. From the process of manufacturing auto parts to delivery toconsumers through logistics, car production, distribution and sales, all data,from vehicle management and maintenance to sales of used cars, must beblock-chain to become a healthy automotive ecosystem.

To implement this, the FROMM CAR will create a reliable used car tradingecosystem, the first mission through mutual business partnership, by providingmaintenance-related platforms and attracting customers, as well as carmaintenance to customers, and by delivering business ties with car partsmanufacturers and automakers to consumers through the process of car partsmanufacturing, logistics, car production and sales, the second mission is to realize a healthy automotive ecosystem.

To build a transparent and reliable healthy automotive ecosystem, it isimpossible to realize it at the center of customers alone. Practically used carsales services should be constructed around the garage, and to build atransparent and reliable automotive ecosystem, they can only be resolvedthrough cooperation with customers, mechanics, car manufacturers andautomakers.

To realize this, FROMM CAR signed a business agreementwith the Korea Automobile Inspection and Maintenance Business Federation,thinking that a business tie-up with a maintenance shop is essential for therealization of the first mission. The association currently has 6,500 membersof about 6,800 first- and second-class repair centers in Korea, which willprovide transparent service to customers and attract a large number ofcustomers to create a Winwin-relationship. Thesecond mission is to establish a transparent and reliable automotive ecosystemthrough business agreements with auto parts manufacturers and automobilecompany.

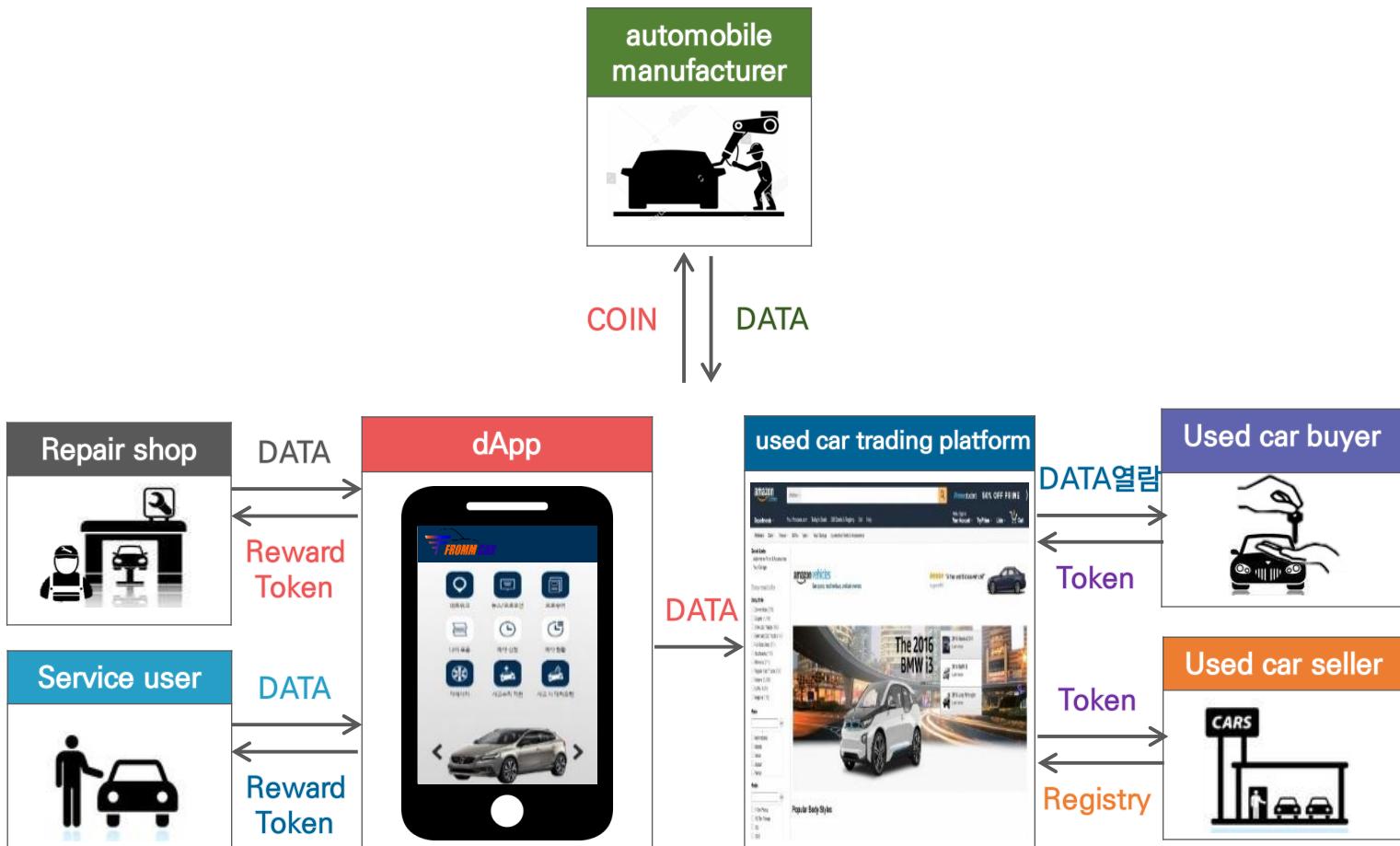
The overall system architecture and automotive history management detailed process of FROMM CAR service are designed as follows. The rest of the details will be designed according to the schedule as the development of the subtraction progresses

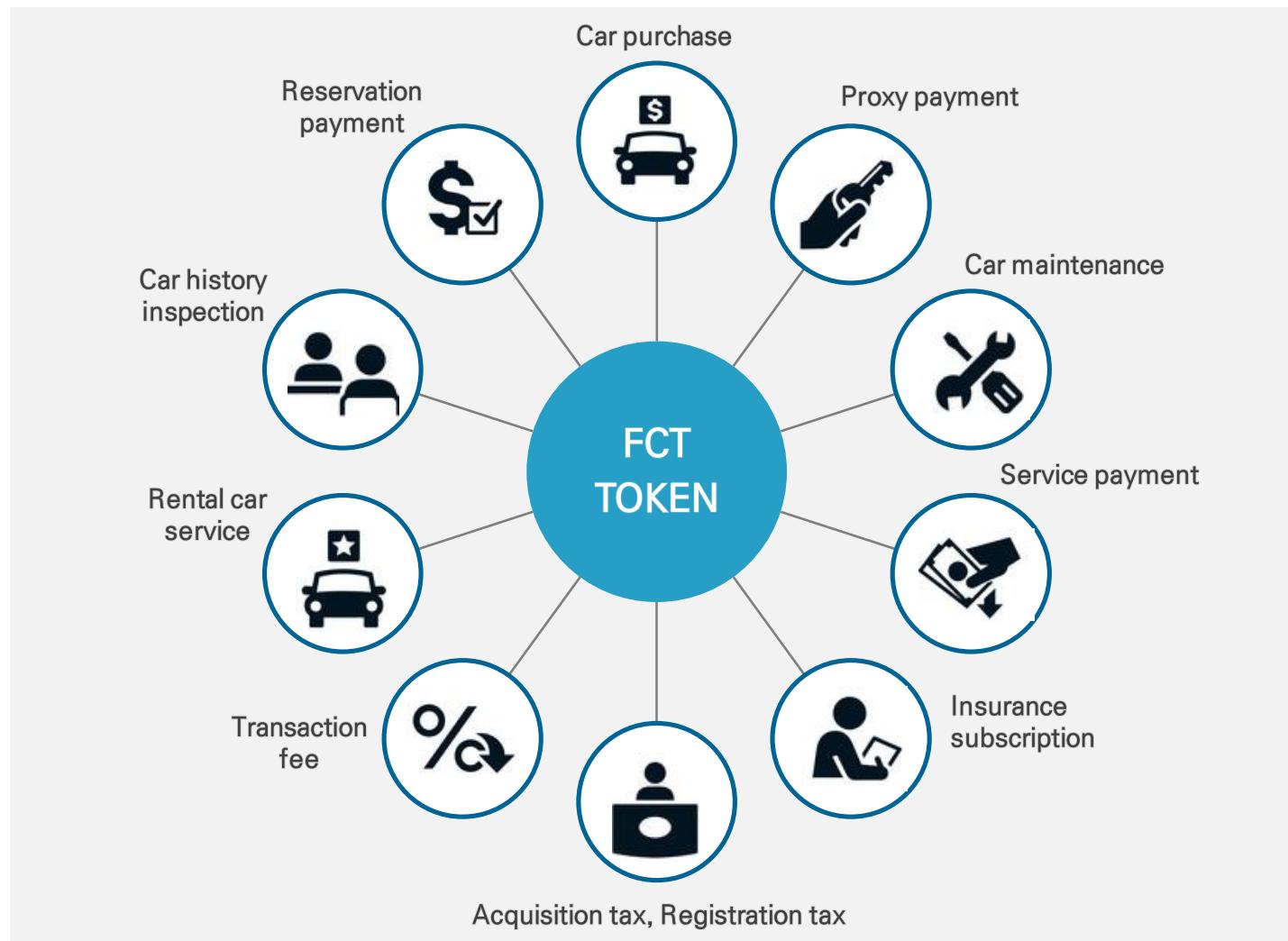


Use of FCT token

FCT, FROMM CAR token, is used as the main medium of economic activity within the ecosystem.

- Car purchase
- Payment for platform services for car maintenance, car rental, car wash, chauffeur service, etc.
- Ad within platform
- Compensation for Data Entry
- Rewards for user participation (report, rating, review)





Car purchase

Payment for new and used cars is made through FCT token.

Payment for platform services for car maintenance, car rental, car wash, chauffeur service, etc.

All service charge payments within the platform are made through FCT tokens.

Ad within platform

Advertising payments made within the platform are made through FCT tokens.

Compensation for Data Entry

The compensation of data inputted by the repair shop, manufacturer, user, service provider is paid to the FCT token.

Rewards for user participation (report, rating, review)

Service user can leave a rating and review for the various services provided and receive FCT tokens as compensation. In addition, to create a healthy ecosystem, service user can report complaints such as dissatisfaction with the service and receive FCT tokens as compensation. In particular, the FROMM CAR token ecosystem will adjust the annual token volume in connection with the market's growth to ensure that the demand and supply curves in the market are kept smoothly.

Chapter 8. Token ecosystem

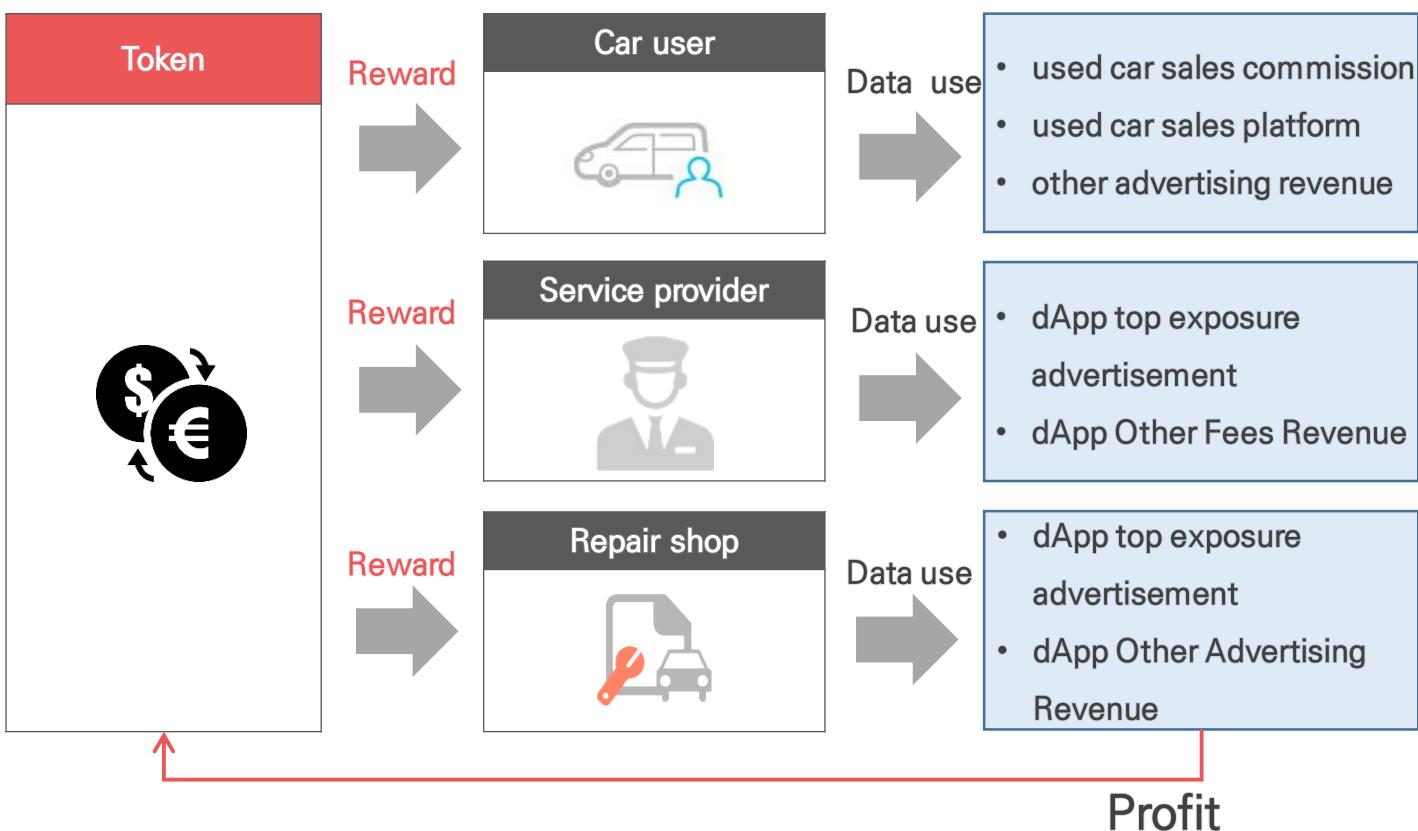
Ecosystems are designed so that FROMM CAR token ecosystems are balanced cyclical ecosystems with compensation system based on each participant's role and FROMM CAR's revenue model.

A compensation system for buyers and sellers is also implemented based on the compensation system for service garages (engineers) playing the core role of securing the sustainable reliability and facilitating the growth of the used car trading service, the most important business model of FROMM CAR.

First define the symbols required by the token ecosystem as follows

Repayment of MaintenanceCenter (RW Maintenance Company)	RW Maintenance Center	FROMM CAR's Profit from Advertising	PF Advertising
Seller's Compensation	RW Seller	FROMM CAR Sales Fee	PF Sales Fee
Purchaser compensation	RW purchaser	Purchaser compensation	RW purchaser

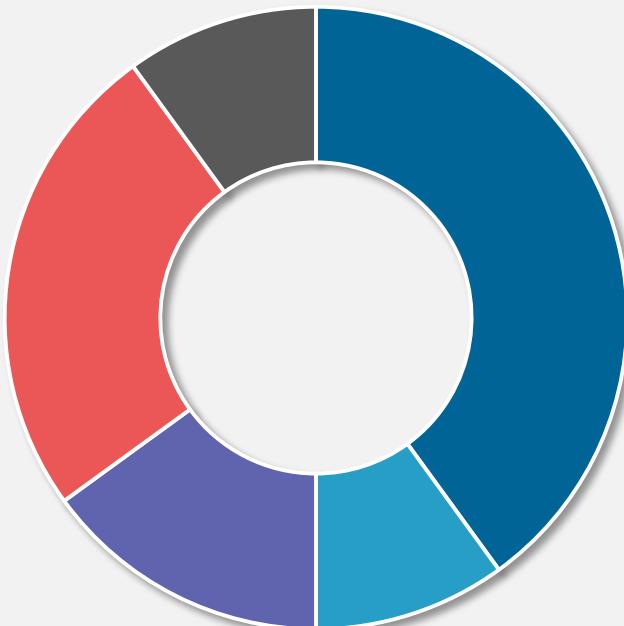
In order for the FROMMCAR business to be sustainable, the following formula must be established



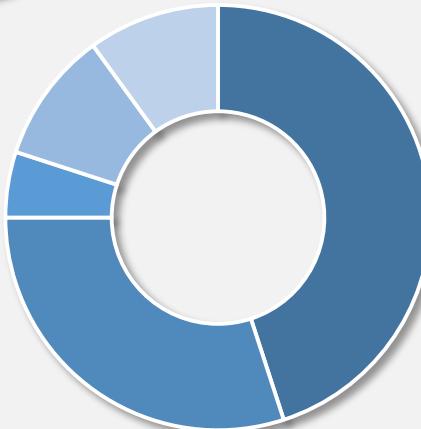
Chapter 9. Token distribution policy

FROMM CAR issues 3 billion tokens.

The distribution policy for the issued token is as follows.



- Reserve 40%
- Sale 10%
- Tame 10%
- Partner & Advisor 25%
- Marketing 10%



- Technology development 45%
- Marketing 30%
- Law 5%
- Emergency 10%
- Partnership 10%

FROMM CAR token ecosystem will adjust the annual token distribution in connection with the growth potential of the market, so that the demand and supply curve in the market will be maintained smoothly.





Chapter 11. Team & Advisors



SeungKu Kang **CEO**

Korea Blockchain Industry Promotion Association (KBIPA)

- Chairman of the foreign cooperation Committee

Blockchain Acceleration and Consulting FROMMCompany

- CEO

Blockchain Exchange-listed agency Blockfort

- CEO

Blockchain Tokenomics expert

Blockchain Marketing Director



SeongJun Park **CTO**

Professor Adjunct Professor of International Information Protection Graduate School, Dongguk University

Dongguk University Center for Blockchain Research

(주) Andus CEO

Former) KISA, head of the technology team

Former) joint preparatory committee chairman of Korea Blockchain Association

Former) He served as a senior researcher at the National Institute of Security and Technology (NSRI)

Former) TTA Blockchain National Standards Advisory Committee Seoul City Blockchain Advisory Committee

Former) Chairman of the Korea Blockchain Society Information Protection Research Committee under the Ministry of the Future

Former) Advisors in the field of blockchain in the Ministry of Science, ICT and Future Planning

Former) Joint Preparatory Committee Chairman of the Korea Blockchain Association of Korean Associations



YongSeop Lee

Blockchain Director

(주)AndUsCTO

Deb consensus algorithm development

Vietnam EcoG9ICO Project PM

KEPCO Blockchain-based Project PM



SeWoong Choi

Technology Director

(주) AndUs director of research

Deb consensus algorithm development

Blockchain source technology transfer education(sejong telecom)



GyeongRak Hwang

Blockchain R&D Manager

(주) FrommCar information security team leader

Deb consensus algorithm development

Former) (주) senior researcher of secure cooper

Chapter 11. Team & Advisors



Michael Tao

He has 20 years of continuous Internet business experience, who is graduated from Peking University.

- Director of Peking University Economic and Financial Alumni Association
- Secretary of China Animation Association
- Board Member of China Charity Blockchain Foundation
- Founder of 3W Cafe (The most famous startup accelerator in China)
- Former) Co-Founder of XiFan Networks (the earliest wap Community in China)
- Former) Developer of Sina Networks



Mike ZHANG

SSANGYONG MOTOR SAAD Certified Engineer

- KOOKMIN UNIVERSITY HYUNDAI MOTOR LAB researcher
- CYBERKOREA COO
- 1+1 Media co-founder
- ifeng.com Overseas Innovation Division
- TencentAUTO.QQ.COM《津警说》、《一和一评测》、《一分钟系列》director



Jason Khoo

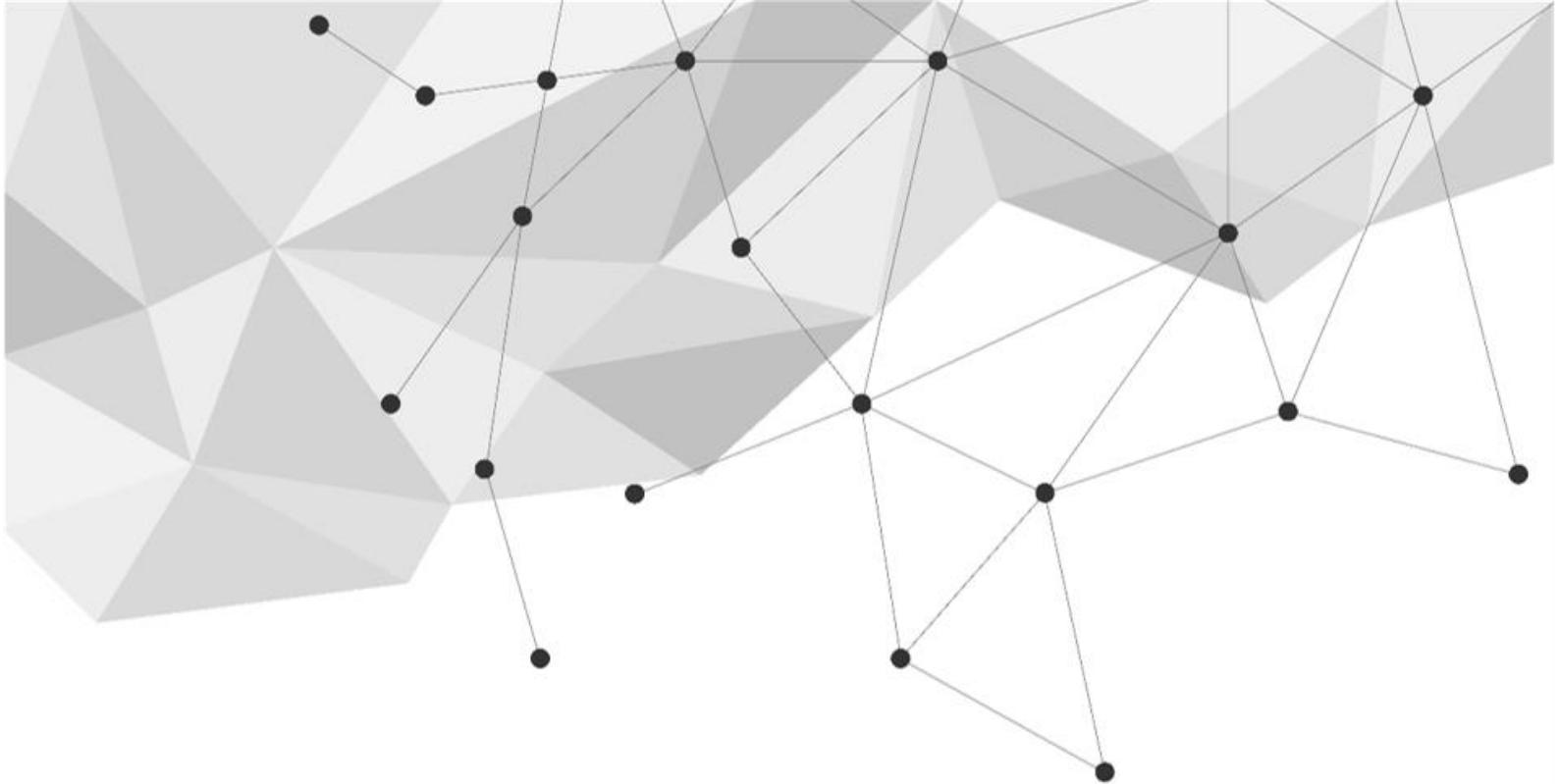
- CEO of Bconomy Exchange (A Canadian Exchange)
- Former) Vice President of CoinBene
- Former) CEO of Sanlyton - International trading company
- Have Work Experiences in PWC - Financial and Consulting Company
- Postgraduate of Peking University and Chinese University of Hong Kong



Timesfund

Founded in 2016, Times fund is a venture capital firm.

Investments primarily focus on the blockchain and internet industry, mainly involving in blockchain, big data, AI, mobile Internet, overseas asset allocation, technology development and other supporting services. We aim to become a professional one-stop investment institution of digital asset increment. Times fund has funded more than 50 projects, including many famous projects such as Chain Elephant, AiPoker, HC, CELR, Swftc, CPC, KGC, Ludos, Use, Keth, JAC, IOTX, BVSE, Bitwin, Bcpress, Taurus exchange, etc.



Thank you

