

KDMS :Howit works

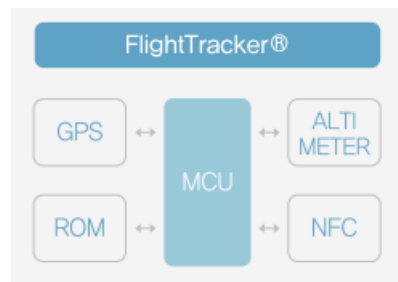
In case of collecting safe and precise flight data, we need a hardware device, a personal authentication enabled, and a systematic network which connects the collected data with a smartphone terminal to upload onto the blockchain. The system is KDMS Drone flight Management System.

FlightTracker , an adhesive device, collects flight data on an aircraft, connects a protocol of KDMS.

Step 1 | Flight Data Gathering withFlightTracker

The very beginning is gathering flight data from a drone aircraft which is flying in the air. FlightTracker is based on an MCU board, which includes several sensors such as GPS and altimeter. It sticks to a drone aircraft and collects flight data.

(It does not communicate with the drone aircraft: there is no standard communication protocol among a lot of dronærial vehicles. Independently collects flight data attached to the aircraft and saved the data in ROM.)



Step 2 | Flight Data Store Between DRONEFLY Application & Blockchain Network

Collected flight data using FlightTracker is transferred to DRONEFLY application, and uploaded to DRONEFLY blockchain network. When you transfer data into your smartphone application, you have to pass the user authentication process. DRONEFLY applicationsynchronizes the user information and the subdivided into an individual process for management.

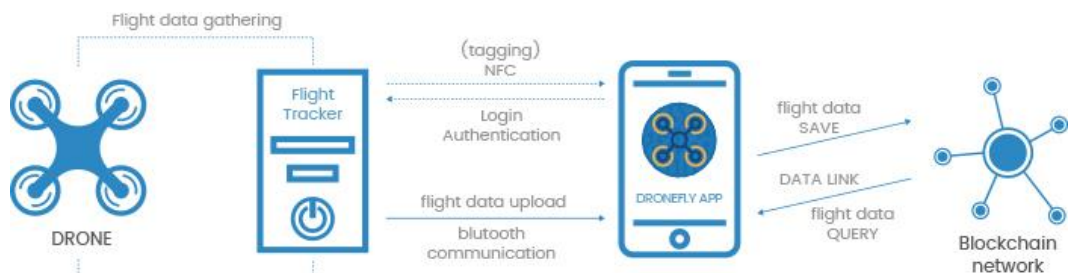


Fig.1 Flight data storeflow

■ Use Case: service flow from flight data gathering to storage/query

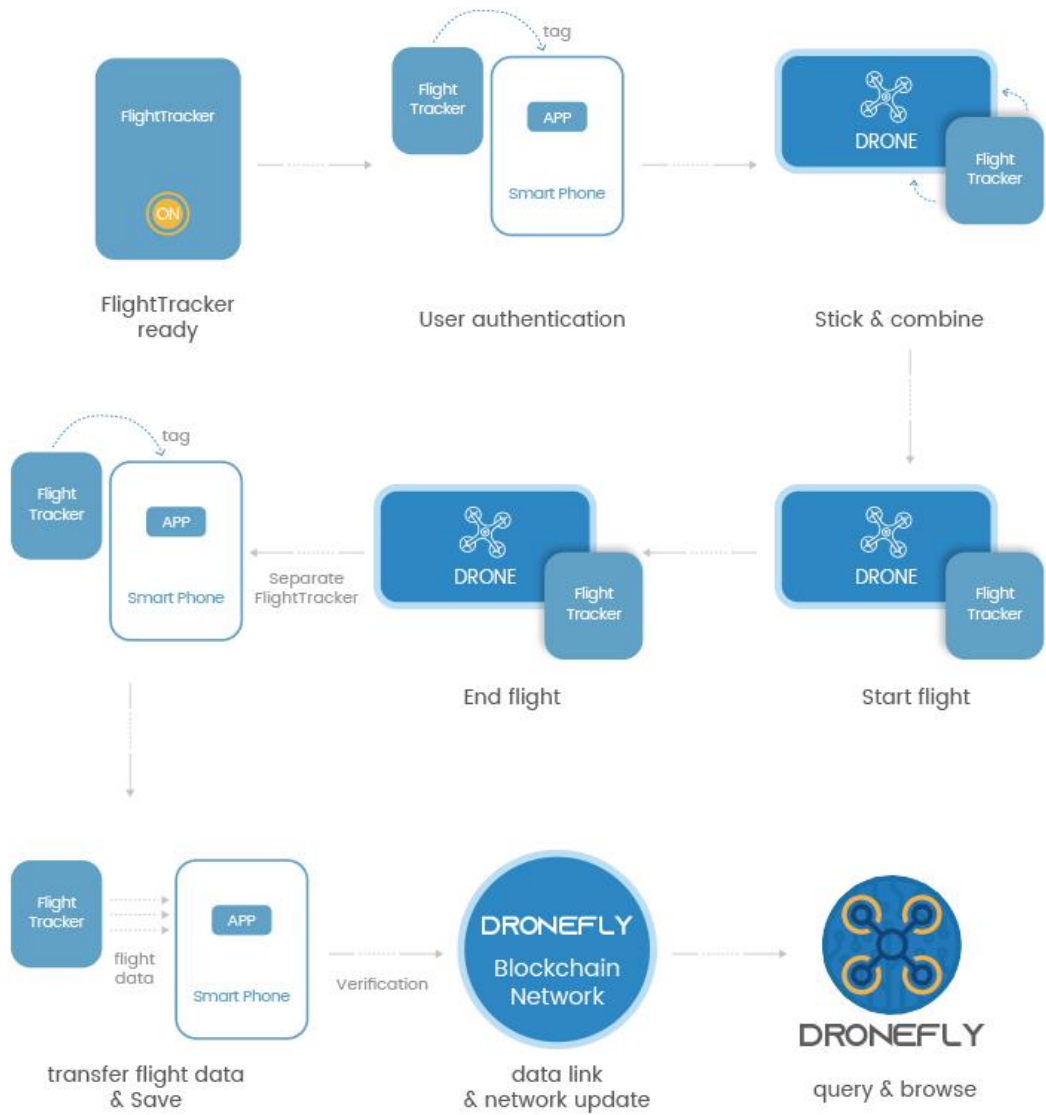


Fig.2 Flight data gathering/storage process flow

■ Step 3 | Flight Data Analysis – Based on AI and Big Data

Flight data, collected by FlightTracker® and consistently accumulated in the blockchain network, are analyzed using AI machine learning. We will provide various useful data under the analysis.

- ◆ Analyze collected/accumulated flight data with AI machine learning tool
- ◆ Analyze average flight patterns such as flight hours, consecutive flight hours, flight fidelity, etc.
- ◆ Analyze flight skills
- ◆ Analyze and recommend the optimal job positions
- ◆ Predict the accident-prone areas

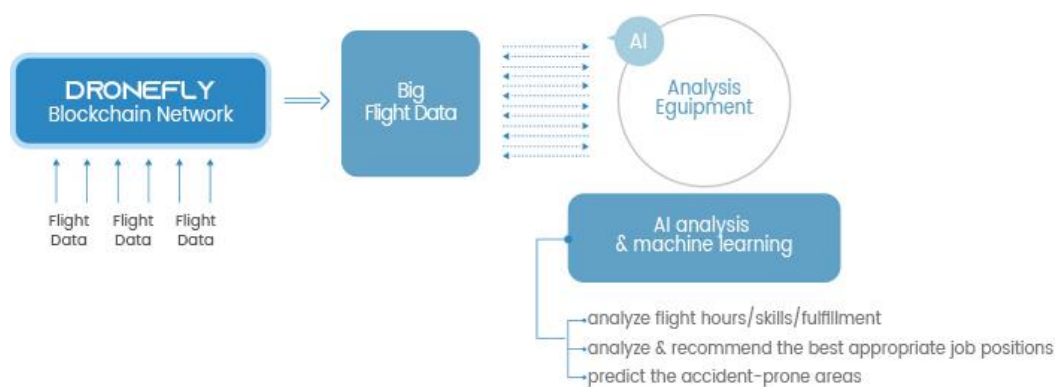


Fig.3 Flight data AI analysis

Reward Structure in KDMS

DRONEFLY participants voluntarily provide their flight data to KDMS. The data in the blockchain network is reliable and cannot be a forgery. The useful data is granted to companies, organizations, or academies. DRONEFLY is in charge of the whole system, so DRONEFLY gets fee from the users. Participants get reward for their offering, flight hours and flight skill grades.

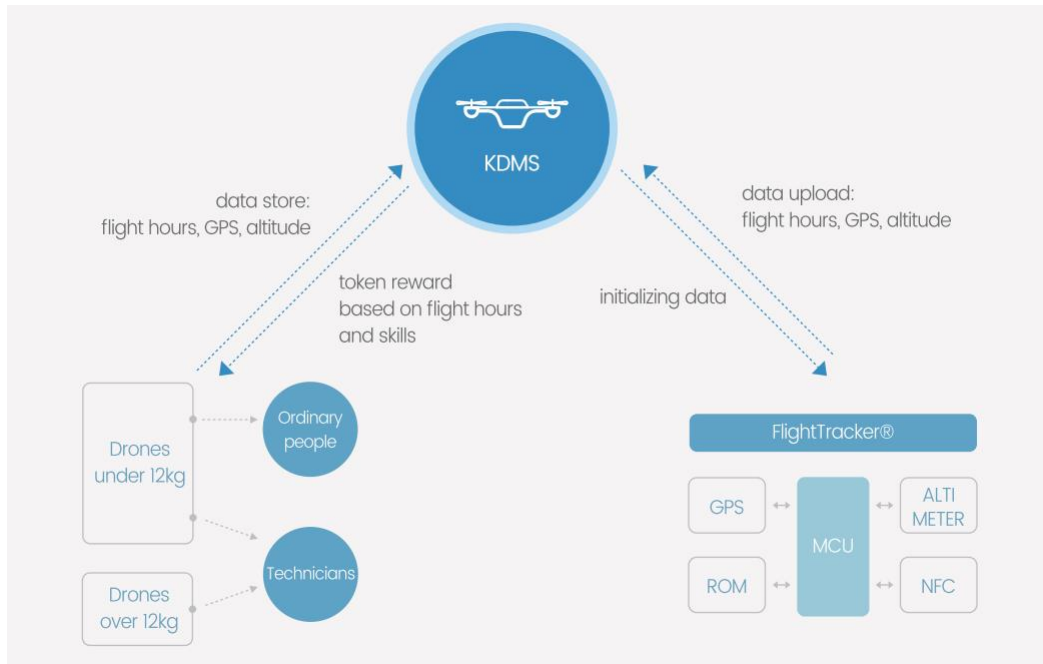


Fig.4 KDMS service diagram and reward structure

KDMS-based Business Platform

We build four different types of business platform on the basis of the KDMS participation and reward system: granted flight data of the participants are provided to various channels for its equivalent fee. We call a portal website of those platform services, SKYWORK. The basic structure of the platform is education matching and job matching, and the market and sharing platform. The four platforms work as services in the SKYWORK portal: they are organically connected to one another.

❑ Education Matching Platform

There are relatively a lot of drone learning academies around the world. DRONEFLY education matching platform connects those local academies with the participants who want to learn how to operate drones.

❑ Job Matching Platform

Drone-related companies want drone experts. Drone experts want job opportunities to work there. DRONEFLY job matching platform connects both demands. Does he/she have a required, appropriate flight experience? Does he/she have a requisite flight skill for the job description? Verification is not an option. It's inevitable.

❑ Market Platform

◆Contents Market

A drone is able to load a high-quality camera on its body to take photos or videos while flying in the air. Contents market is a place for trading the drone-generating visual contents. It enables DRONEFLY participants to upload the contents free, and make profits for trading the contents.

◆Hardware Market

Where should I go when my drone is broken? What about performance tuning? Yes, it's available in the DRONEFLY market platform. You can purchase the parts for repair or performance tuning. You can buy or sell drones in the market of course.

❑ Sharing Platform

Prices of the drones vary in sizes or battery capacity. Some drones are high-priced, so people are wavering between buying them out of their pockets and giving them up. DRONEFLY sharing platform is a good alternative for the people. An individual participant can share his/her drone for other people, or purchase a new drone for sharing. Group buying or DRONEFLY purchase is a start of sharing service, too. Basically, the drones for the sharing service are rented by hourly basis. We're going to align insurance products with the rental service.

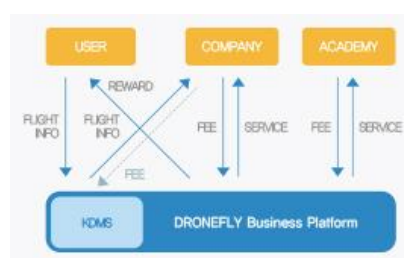


Fig.5 DRONEFLY Business Platform Network

DRONEFLY Business Ecosystem

DRONEFLY business is running over one KDMS system, connecting four business platforms with one another. Multiple services are available on a simple system. This simple structure enables us to embrace diverse demands related to drones. Participants' data is stored in KDMS, and all the business platforms receive the data from KDMS. Companies pay a usage fee, and the participants receive reward. Let's take a look at the details:



Fig.6 DRONEFLY Business Platform, based on KDMS

Education Matching Platform and Training Courses

Someone wants to learn how to operate drones. Someone wants to achieve a certificate for a drone pilot. Someone wants to gain his/her drone flight experience or improve flight skills. DRONEFLY education matching platform recommends the optimal academy for each of them. Affiliated academies of DRONEFLY will provide certified courses.

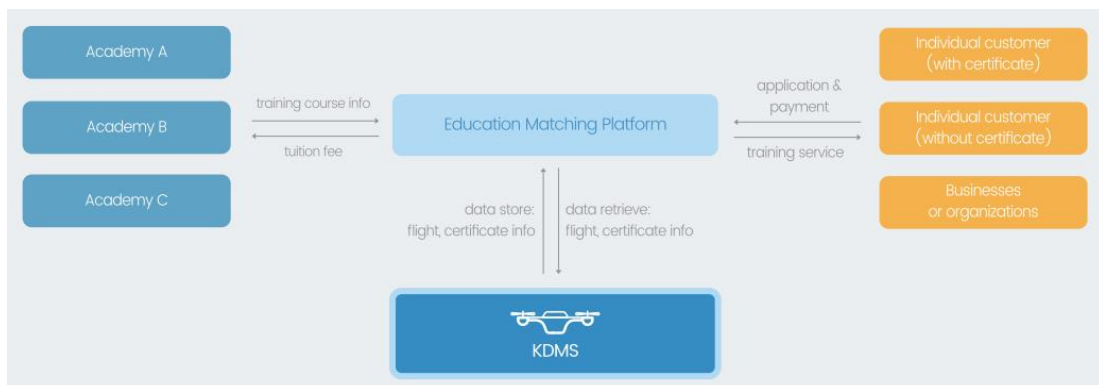


Fig.7 Education Matching Platform service diagram

Job Matching Platform and Recruiting Service

Drone experts but jobseekers for drone-related jobs. Companies looking for drone experts. DRONEFLY job matching platform connects each side. Jobseekers easily find out the corresponding companies, while the companies easily recruit the certified experts in many ways.



Fig.8 Job Matching Platform service diagram

Market Platform and Hardware/Contents Trading Service

As noted, people can trade drones, repair drones, or upgrade the performance in the DRONEFLY market platform as well as trade the visual contents generated by drones. It's an integrated hardware and contents trading system.



Fig.9 Market Platform service diagram

- ◆ A primary payment method is DRONEFLY token: it is mainly used in payment.
- ◆ We will open a contents showcase channel to enlarge the market platform, and support the contents creators such as YouTubers. It will soon extend to advertisement earnings.

Sharing Platform and Rental Service

Except microdrones, bigger drones than medium size are quite expensive. The expensive drones have, however, more robust performance to satisfy the drone lovers. There is a big demand for high-priced drone rental service. Someone may want to just experience an expensive, high-performance drone. DRONEFLY sharing platform enables people to group-buy or share the drones. More people can experience the expensive drones at an affordable price.



Fig.10 Sharing Platform service diagram

◆A drone aircraft for DRONEFLY sharing is rented on the hourly basis, and the users pay the fee in DRONEFLY tokens.

Token Model

DRONEFLY token model is designed for all the participants to be very active: they can get reward in various ways.

❖ DRONEFLY

[DEFINITION]

DRONEFLY is used as a basic medium of exchange within DRONEFLY ecosystem. It is listed on the cryptocurrency markets, and can be used as a store of value.

[USE]

DRONEFLY is mainly used as business platform payment within DRONEFLY ecosystem. Most of the payment is given to the participants as reward. A participant may use the DRONEFLY tokens for platform payments, or for storing/exchanging values. This way, DRONEFLY token is constantly used and recycled within the ecosystem.

❖ KY

[DEFINITION]

KY is a convertible token with DRONEFLY token one for one. It is not listed on a cryptocurrency market, but can be exchanged only in the DRONEFLY platform.

[USE]

It's mainly used for staking within the DRONEFLY business platform. In some cases, DRONEFLY business platform may require the business participants to stake assets, KY in this case, under the preset contract conditions.

❖ KY-POINT

[DEFINITION]

KY-POINT is a volatile point which is provided as a reward for various contributions such as flight data collecting, flight data verifying, or community participation. The more KY-POINTS you accumulate, the more DRONEFLY tokens you will get.

[USE]

It's used for receiving the designated DRONEFLY tokens.

[POLICY]

Accumulated KY-POINTS, in a term policy, are converted into DRONEFLY at a preset rate and given to participants. All the KY-POINTS are initialized after conversion. The exchange rate will be noticed on the website.

❖ Mutuality

DRONEFLY, KY, and KY-POINT have a following mutual relation:

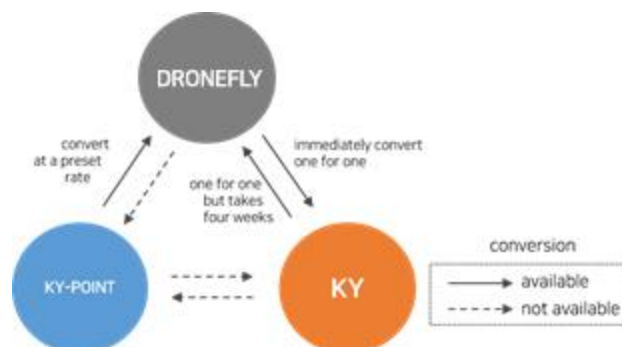


Fig.11 DRONEFLY, KY, KY-POINT Mutuality

Incentive System

All the participants receive KY-POINTS from SIS, SKYWORK Incentive System, when they do activities that bring benefits to DRONEFLY ecosystem. As noted in the token model, people can receive DRONEFLY tokens as a reward, accumulating KY-POINTS. They can use the tokens in many ways within the platform.

Reward

KY-POINTS are given for the following three types of activities.

- ◆ Collecting/sharing flight data
- ◆ Joining flight data verification
- ◆ Being active in DRONEFLY communities

Policy

You can accumulate KY-POINTS every day. The accumulated points, in a weekly policy, will be converted into the designated DRONEFLY tokens. After conversion, all the points are initialized to zero.

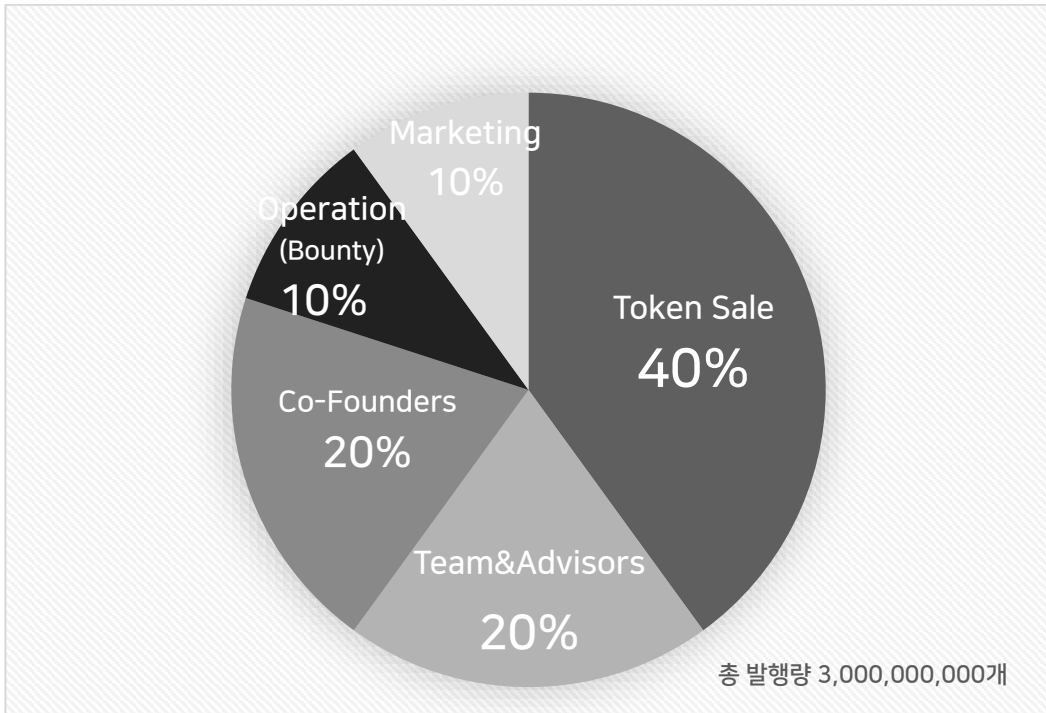
When the participants upload their flight data, the data is not directly uploaded to the blockchain network, but has to be verified by the above-the-fixed-level flight experts. The experts will receive KY-POINTS as a reward.

General participants will get a reward for flight data collecting/sharing and community activities, and they're expected to receive more rewards when they join the verification job. Therefore, the DRONEFLY ecosystem will rev up and grow bigger every day.

Token Sale

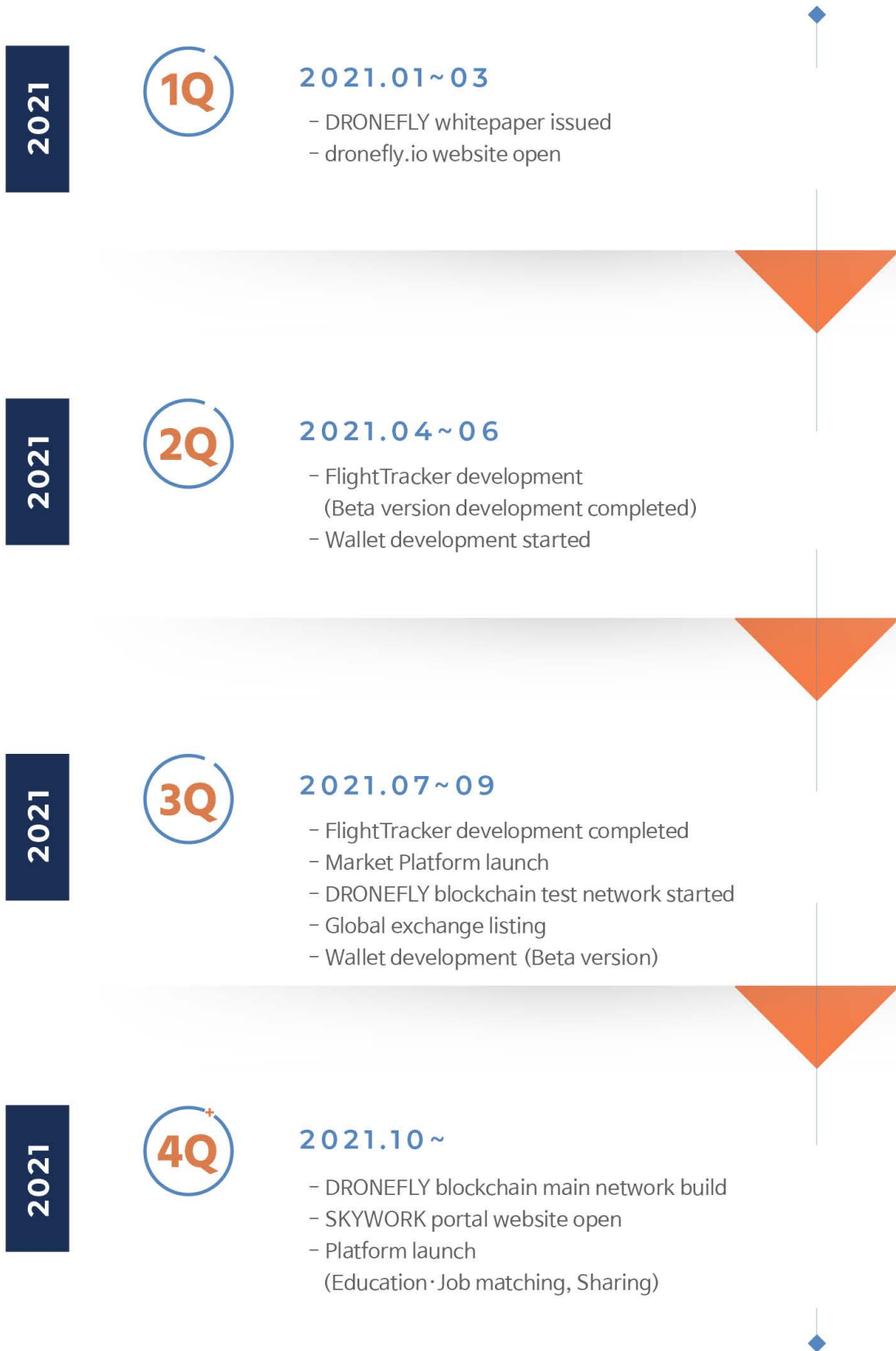
DRONEFLY issues the tokens on the basis of ERC 2.0, for ensuring smooth operation of the DRONEFLY ecosystem. It will use the proceeds to vitalize global drone industry and its development.

Token allocation



◆There is a possibility of potential changes that may affect token allocation or plan of proceeds in proceeding the project.

Roadmap



Team

Partners, advisors, and team members will be notified on DRONEFLY website.

<http://www.dronefly.io>

Disclaimer

This whitepaper("Whitepaper") is intended to provide general information and is not meant to be exhaustive or comprehensive. This Whitepaper may be amended from time to time without notice. The updated Whitepaper will be found on the DRONEFLY website. KYON Inc. or its related corporations and/or corporate affiliates accepts no liability in relation to the Whitepaper, or any reliance on the Whitepaper, and does not warranty the accuracy or completeness of the Whitepaper.

The risks listed below, and or other additional or potential risks, the commercial execution may be materially or adversely affected, and could result in the suspension of the DRONEFLY tokens or and/or the termination of the operation of DRONEFLY.

- The development of DRONEFLY platforms or services, and other products of DRONEFLY or its related corporations and/or corporate affiliates may fail, be abandoned or be delayed for various reasons, including lack of funding, lack of commercial success, or lack of use by participants.
- The functions of DRONEFLY token will require enhancements, and their development is ongoing, and full functions of DRONEFLY token may take longer than announced. No assurance of DRONEFLY token can be provided of the completion.
- The form and functionality of the business platforms of DRONEFLY ecosystem, which are announced by the Whitepaper or the DRONEFLY website, may not be met upon actual release of the DRONEFLY and/or the DRONEFLY tokens, for a number of reasons including changes in the design or execution, or delays.
- The value of DRONEFLY token may drop or rise according to volatility of the cryptocurrency market, but no assurance for the rise in value of DRONEFLY tokens of its related corporations and/or corporate affiliates is provided.
- Apart from the growth of drone industry, drone aircrafts may be regulated by government authorities and other regulatory bodies, and DRONEFLY or its related corporations and/or corporate affiliates could be adversely affected, and no responsibility or any guarantee for settling the regulatory actions will be granted by KYON Inc. or its related corporations and/or corporate affiliates.
- Cryptocurrencies are subject to regulatory investigation by government authorities and other regulatory bodies around the world, and DRONEFLY or its related corporations and/or corporate affiliates might be adversely affected by the regulations accordingly.
- Technical advances in code cracking or in the development of quantum computers may result in potential risks to cryptocurrencies and DRONEFLY, which may lead to KYON Inc. or its related corporations and/or corporate affiliates.

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