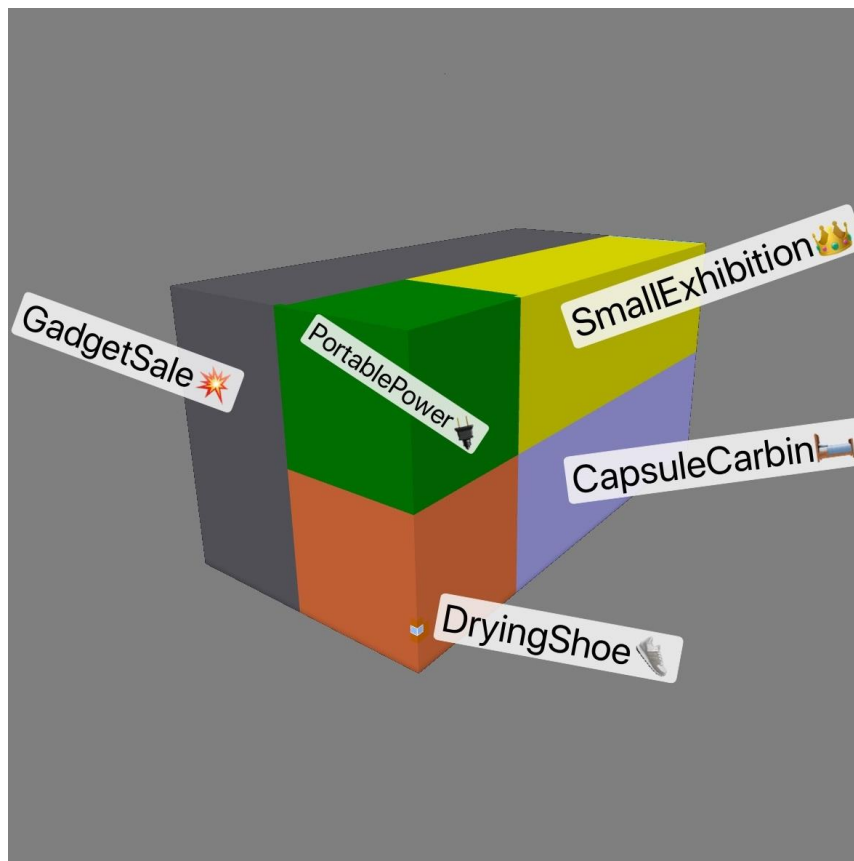# FlashCube

Summary

Inhabitants and suppliers co-construct win-win public space units through blockchain voting system.

Each space unit occupy 1 cubic meter, each space box consists of several space units. each solution can utilize the partial or entire box. Outline of procedure is as follows:

1. Suppliers issue solutions.

2. Inhabitants cast votes.

3. Suppliers implement solutions.

4. Solutions start to run and be used.

5. Termination and recycling.

An example of FlashCube

Detailed procedure

Supplier   **Online App**   **Inhabitant**

Issue a solution of utilizing the space. It provides following information, referred to solution plan:

1. Type of service: Such as Snack, Beverages, Sharing Clothes, etc.

2. Cost of space: The size of each space unit is 1 cubic meter. Supplier declares how many units he needs. If there is requirement for combinatorial units, he needs to specify the length, width and height, for example, 2-3-2 implies 12 units.

3. Minimum time: The minimum operational time of this solution.

4. Detailed information: Specific introduction of each solution.

5. Benefits of voting: In order to encourage inhabitants to vote, suppliers can give them benefits

more solutions

Vote for solutions. Inhabitants as voters choose solutions they are interested in and vote for them. Voting process has the following rules:

1. Each vote costs voters 1 yen. No limit to the quantity of which voters can vote.

2. If a solution finally starts, inhabitants who voted it can buy its service in votes.

voting lasts for 2 weeks

Implement solutions. This phase has the following rules:

1. Suppliers' priority of choosing and using units depends on the ranking of votes they got.

2. Because of the limited number of units, only some of them can finally implement their solutions.

3. Votes for solutions that won't be implemented in this phase will return to voters.

Space Units

Run and use. Inhabitants who are even not voters can also use the solutions.

job done

recycle

A running solution can be terminated by its supplier, or voted out by voters who have the right. Since it happened, a new process of solutions screening based on voting will begin.

Since a solution runs more than the minimum time, which was declared in its solution plan, a voting about if it could continue will be holden automatically every three months. There are following rules:

1. The voters are who have used the solution.

2. Each voter has only one vote in each certain period.

3. If a voter doesn't cast a vote, he will be considered to vote for the solution by default. Or he can do it manually.