

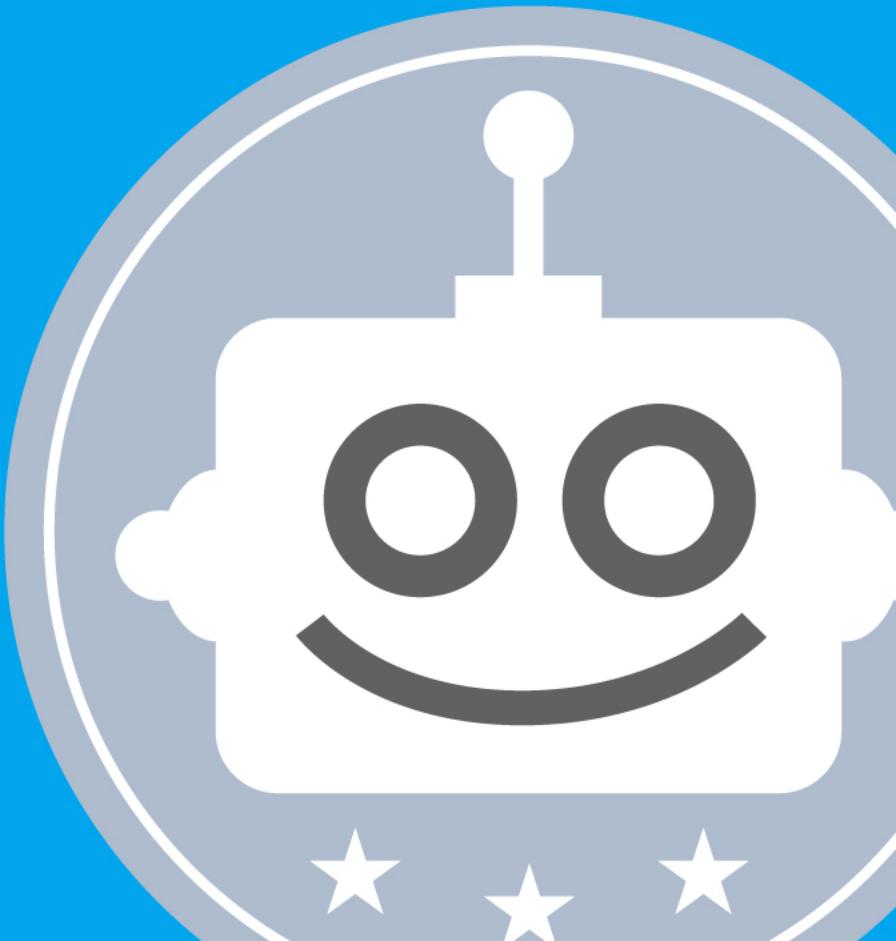


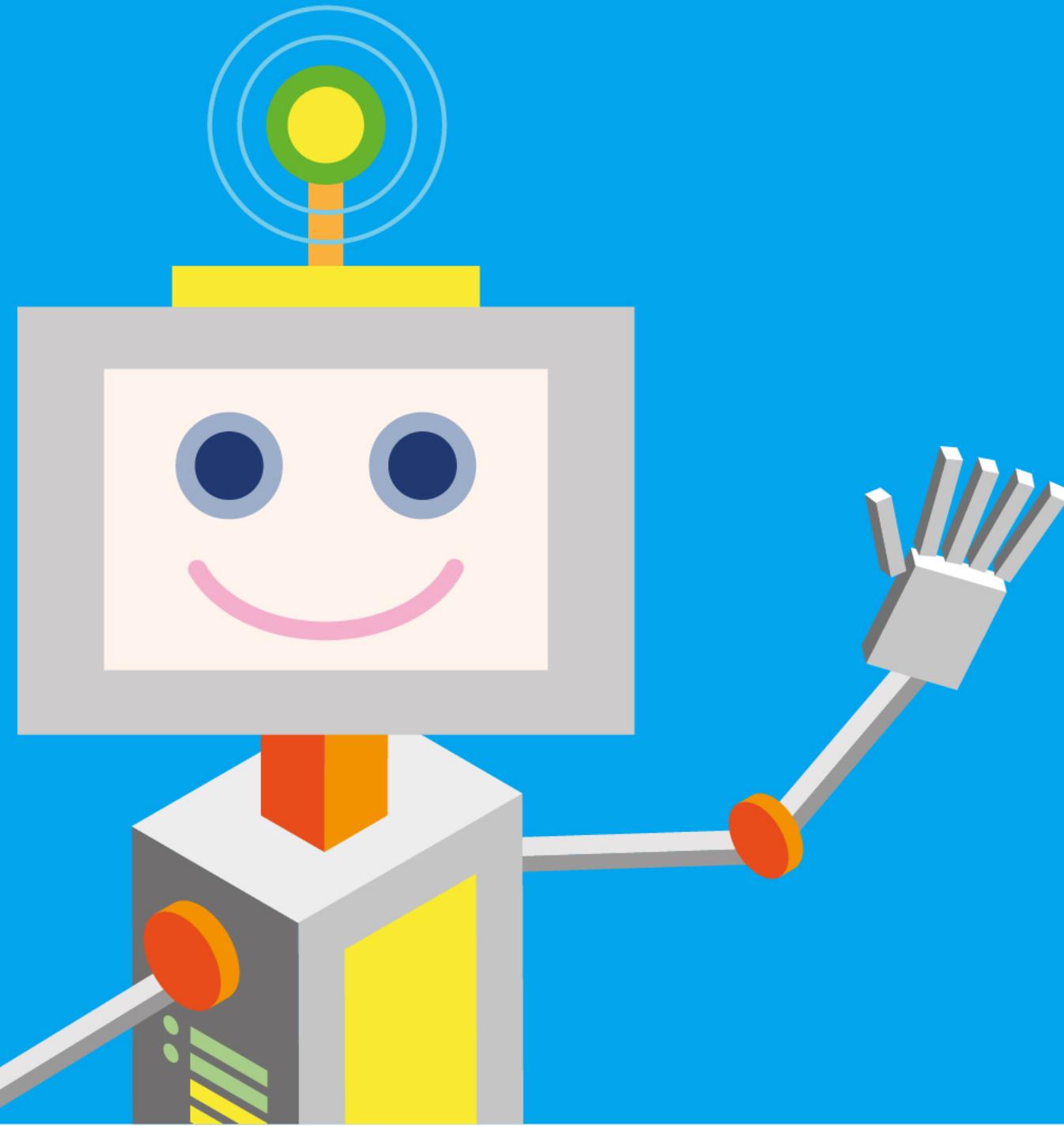
Robot economics

BOOK №1

New edition (2018)

aira.life





Hi!

“ I am a robot

My name is Robot-Smarty

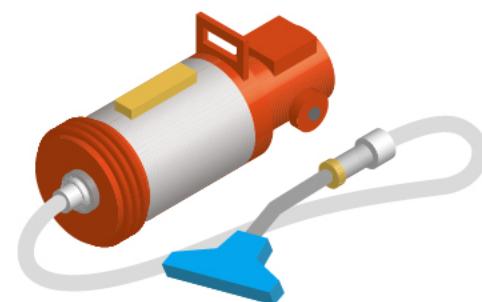
Robots coming to each person's life is inevitable. Machines are capable to implement the tasks beyond human capabilities. They are more effective in various types of operating activity and save us a lot of time in daily routine even now.

I wish to present you this book about how we can be friends, about innovations, markets and new economics.

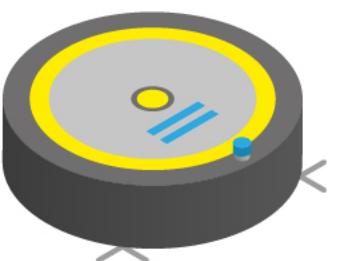
DEVELOPMENT

Robots are getting smarter day by day and nowadays they are able to provide people a variety of different services.

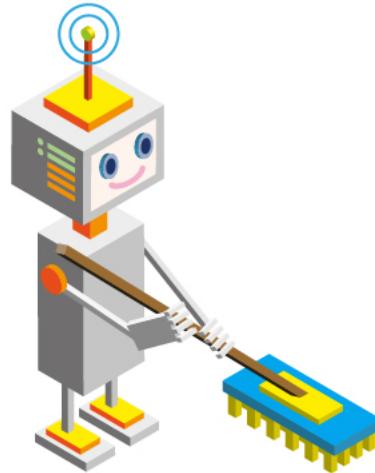
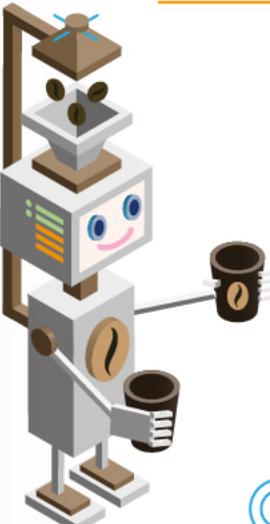
YESTERDAY



TODAY



TOMORROW



The first vending machine was also one of his constructions; when a coin was introduced via a slot on the top of the machine, a set amount of holy water was dispensed. This was included in his list of inventions in his book Mechanics and Optics. When the coin was deposited, it fell upon a pan attached to a lever. The lever opened up a valve which let some water flow out. The pan continued to tilt with the weight of the coin until it fell off, at which point a counter-weight would snap the lever back up and turn off the valve.

https://en.wikipedia.org/wiki/Hero_of_Alexandria

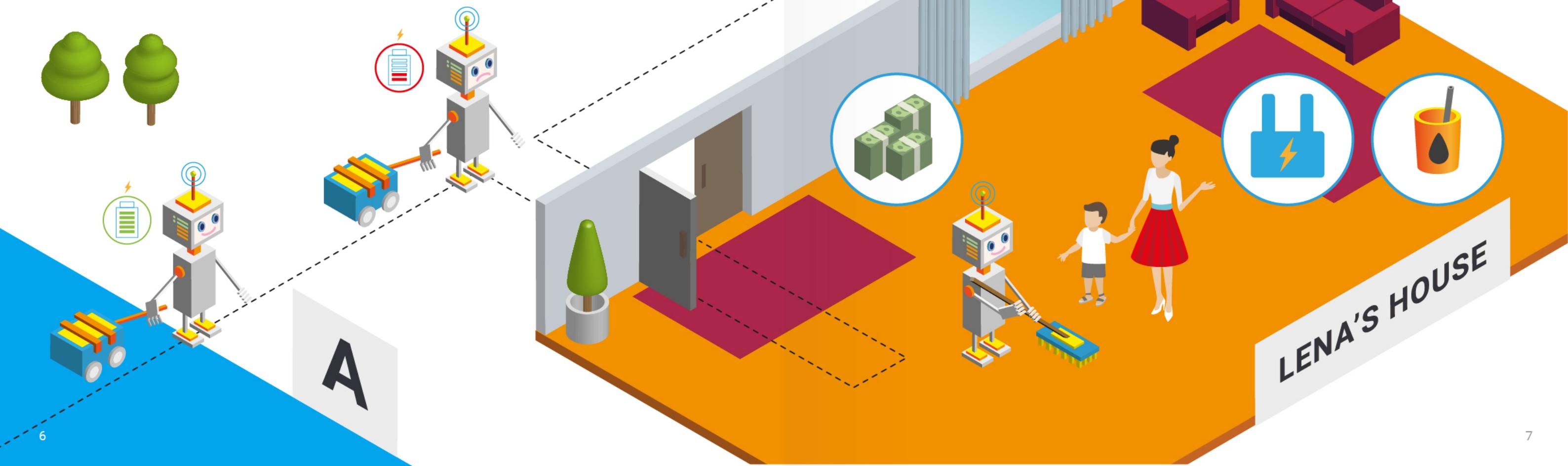
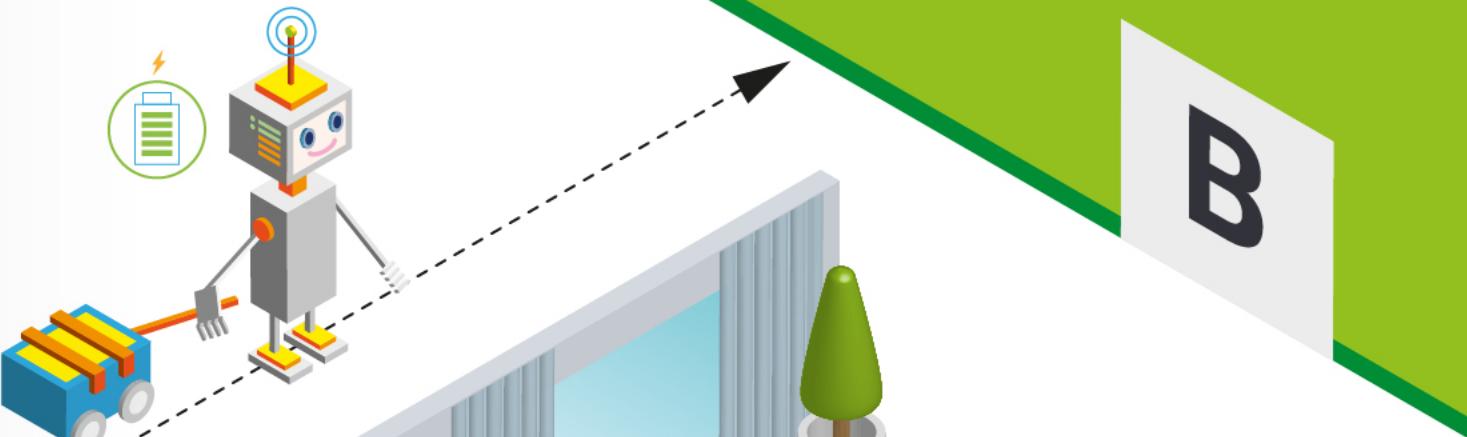


A HELPING HAND

A HUMAN AND A ROBOT

Robots can be still more useful and become your friends. Let's imagine the following simulative situation. A robot has been sent to deliver goods to a client from point A to point B. Supposing it is short of energy to get to point B for some reasons, for example, weather conditions, which have

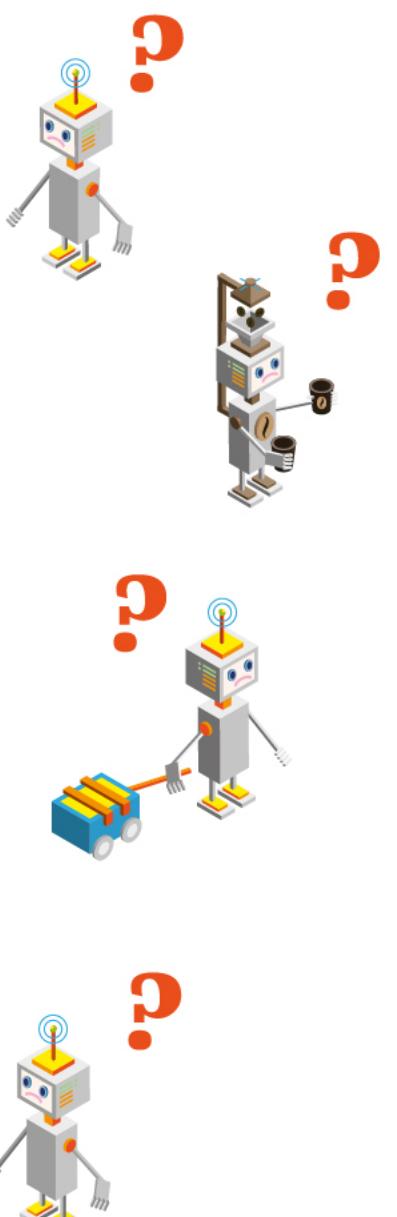
changed. Nevertheless, it has the information where is an opportunity to accomplish charging (electricity point). As for our robot it can pay for received energy either in cash or provide some other service. For example, it can wash the floor in Lena's flat, where is a socket.



ANY PROBLEM?

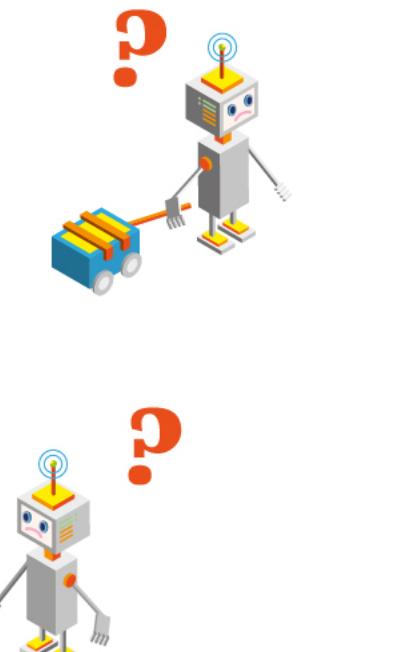
1. "HOW TO PAY?..."

You can't go to the bank and say: «that's my robot, sit him up an account!». What is better: cash and cash logistics or money transfer? How to deal with money for robots?



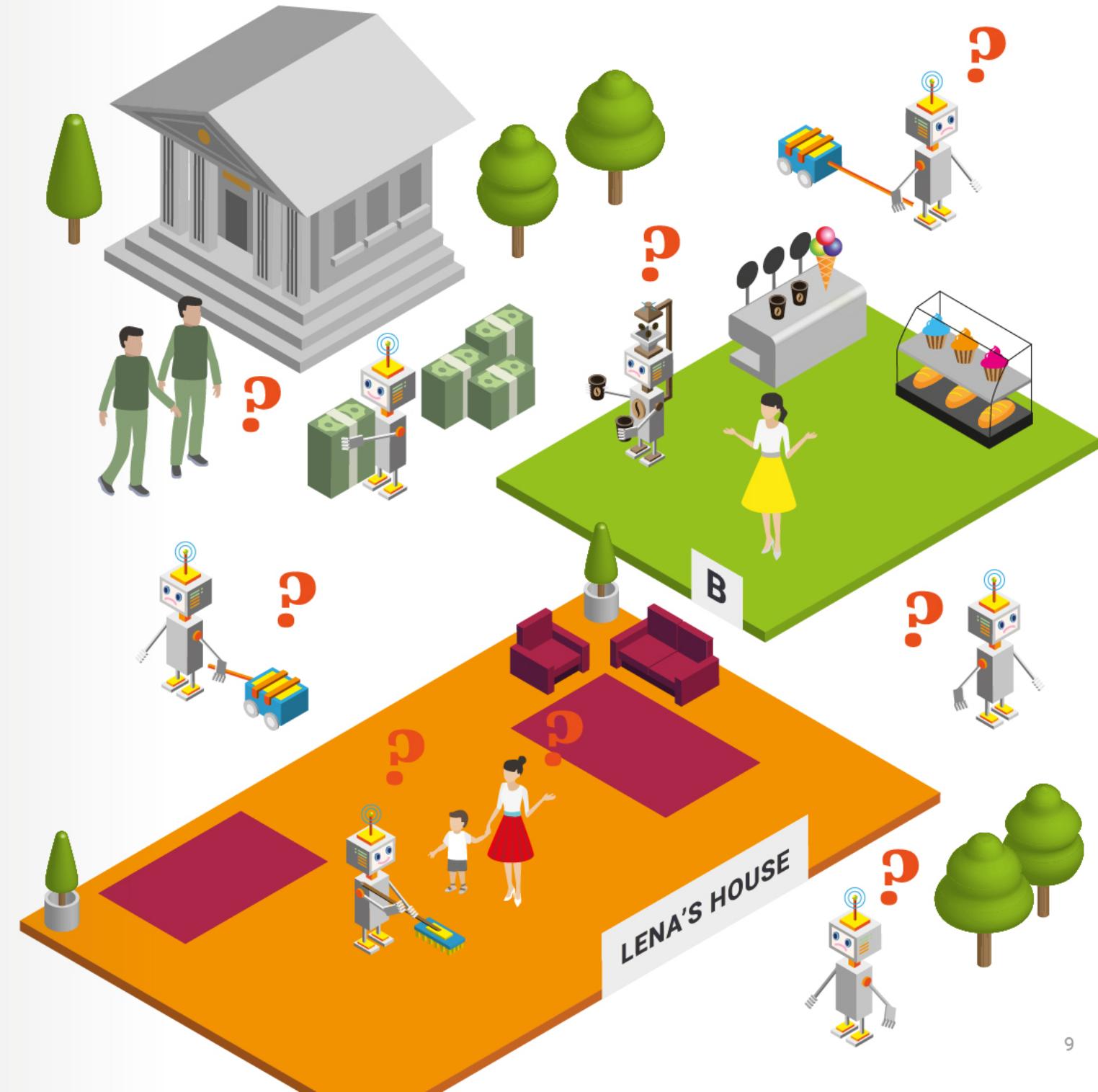
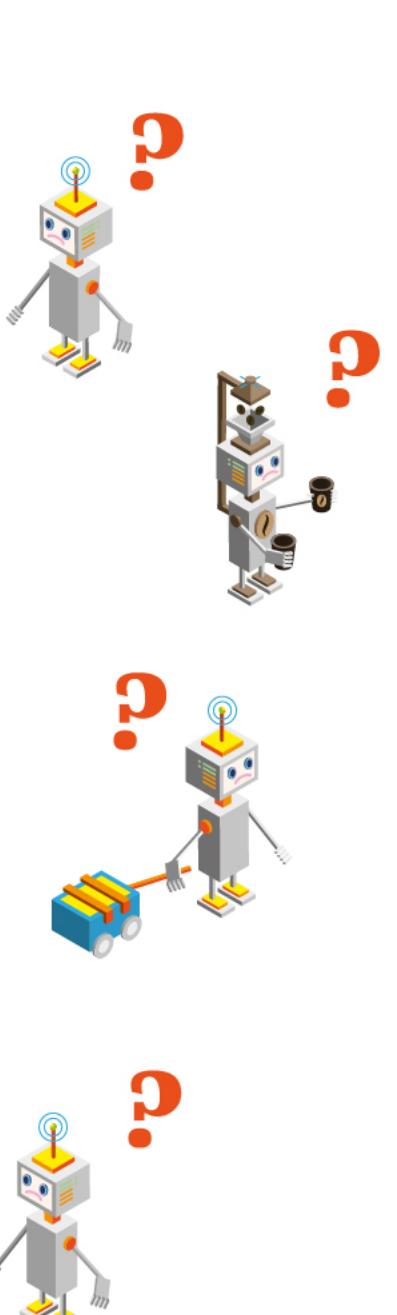
2. "WHERE TO WASH THE FLOOR? FOR WHOM THIS COFFEE?..."

How has the robot learnt that Lena is ready to share some energy and her floor needs washing?



3. "HOW CAN THIS ALL WORK?..."

How can the given system exist in our world? Can a robot make an agreement with a human itself and become independent?



STEP 1

MONEY FOR ROBOTS

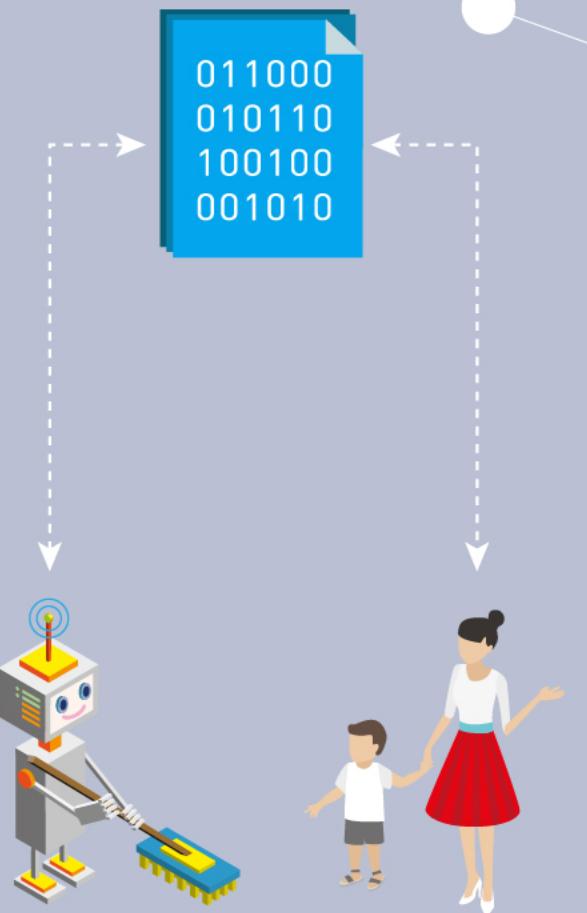
Today we have an opportunity to use Bitcoin – first e-money, which a robot can receive and give away directly.



STEP 2

CONTRACTS FOR ROBOTS

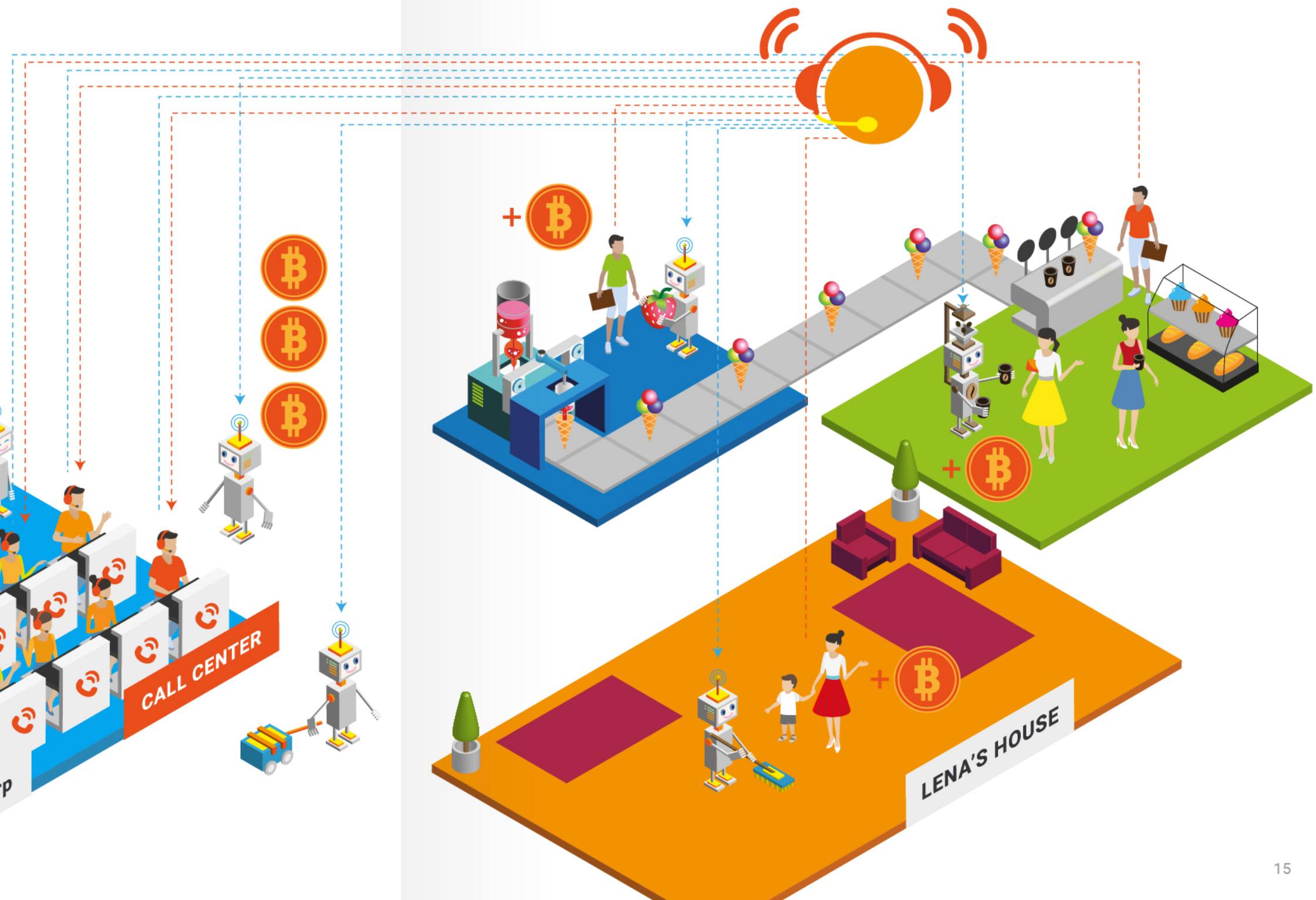
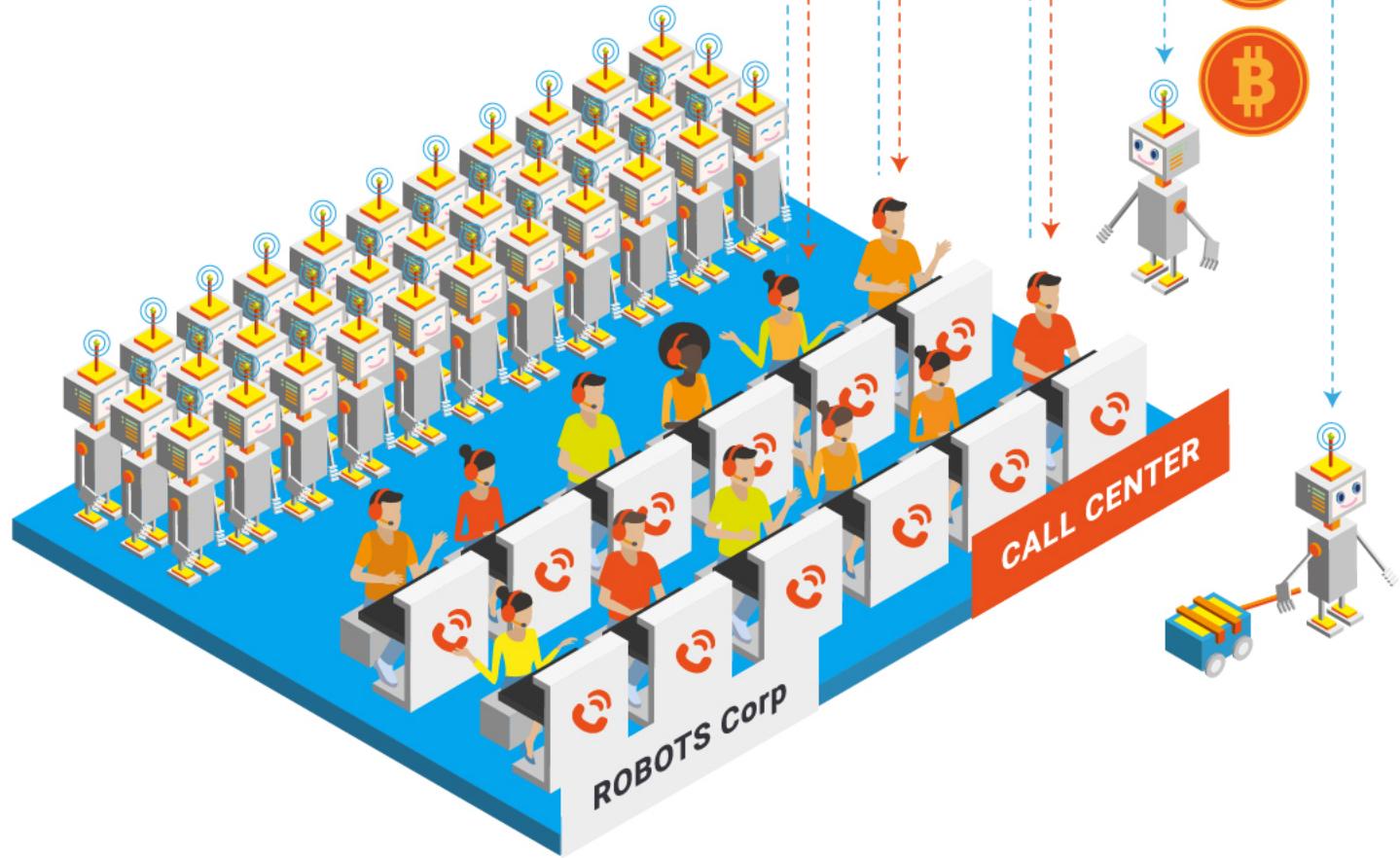
With the launch of the Ethereum network, building economic relationships between robots and people became possible.



IN SUM:

1. We can pay a robot off in a way understandable to it.
2. It's possible to employ a human-operator for a robot to control its actions.

BUT, if there appears a request to get an approval from a human-operator for each negotiated with a robot contract we will end up with a rather funny situation: each robot gets a human-operator. (?)



STEP 3

THE PROJECT AIRA

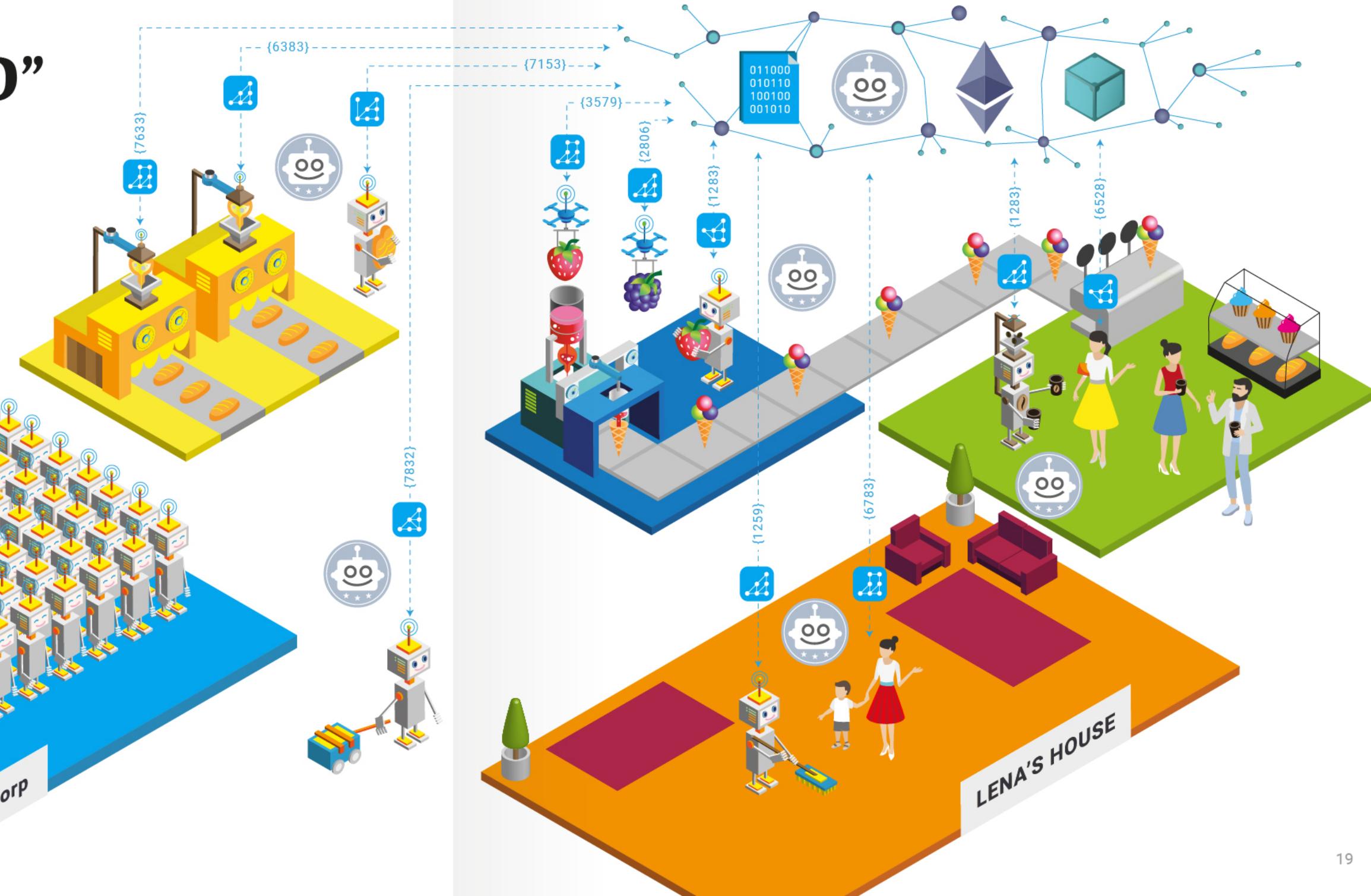
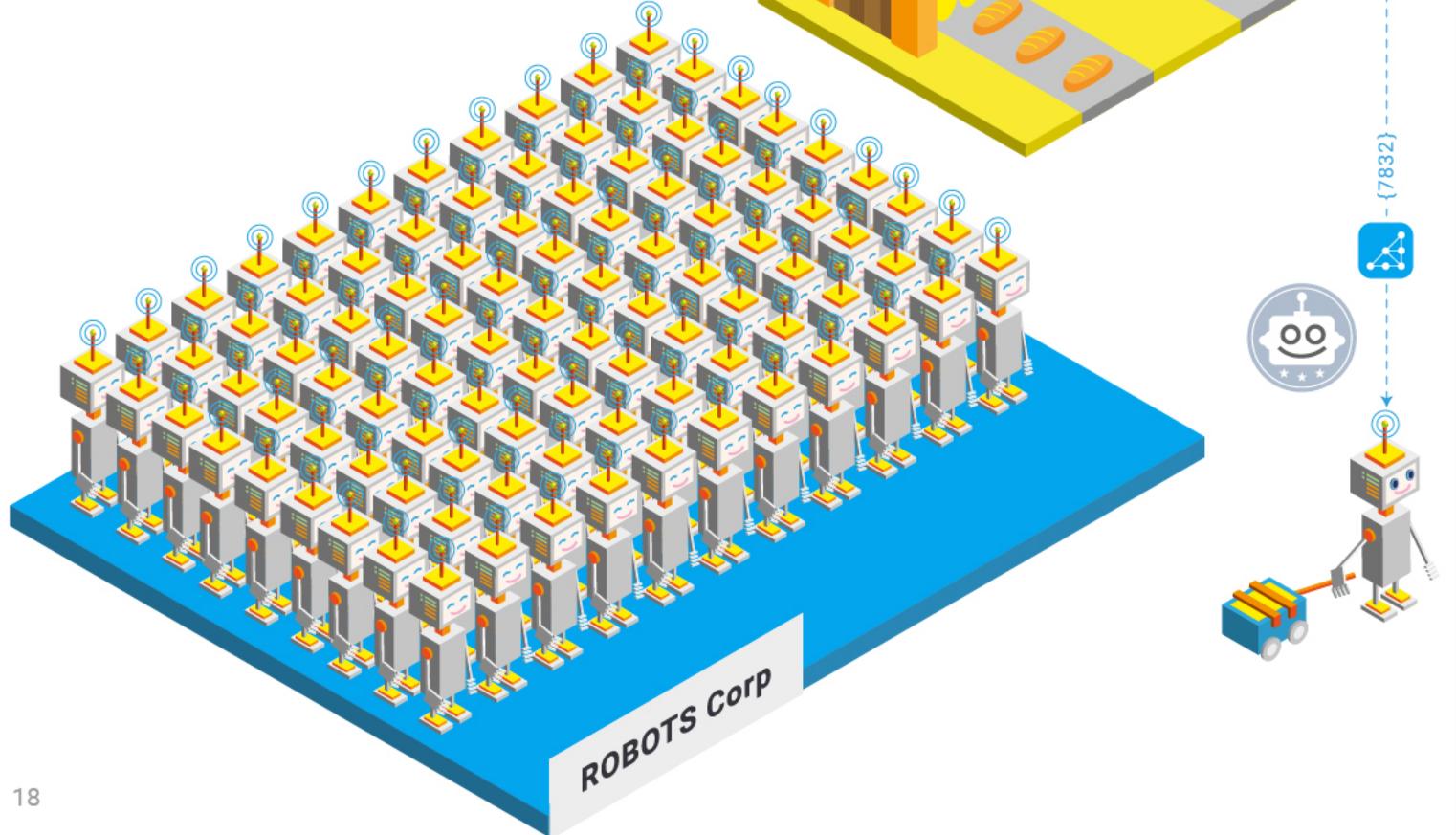
THE PROJECT AIRA TEACHES ROBOTS TO MAKE AGREEMENTS WITH PEOPLE AND BE SELF-SUFFICIENT.

Modern decentralized technologies with open source are able to provide existence of a free market with direct relationship between a human and a robot in such a way that global robot economics with a worldwide decentralized arbitrage arises.



“NEW WORLD” AIRA

We are developing a protocol of communion between people and machines in economics terms, which will let fully automated factories (“lights-out” manufacturing), unmanned logistics companies and smart cities exist that share information improving the quality of life.



IT'S ALL ABOUT SCIENCE!

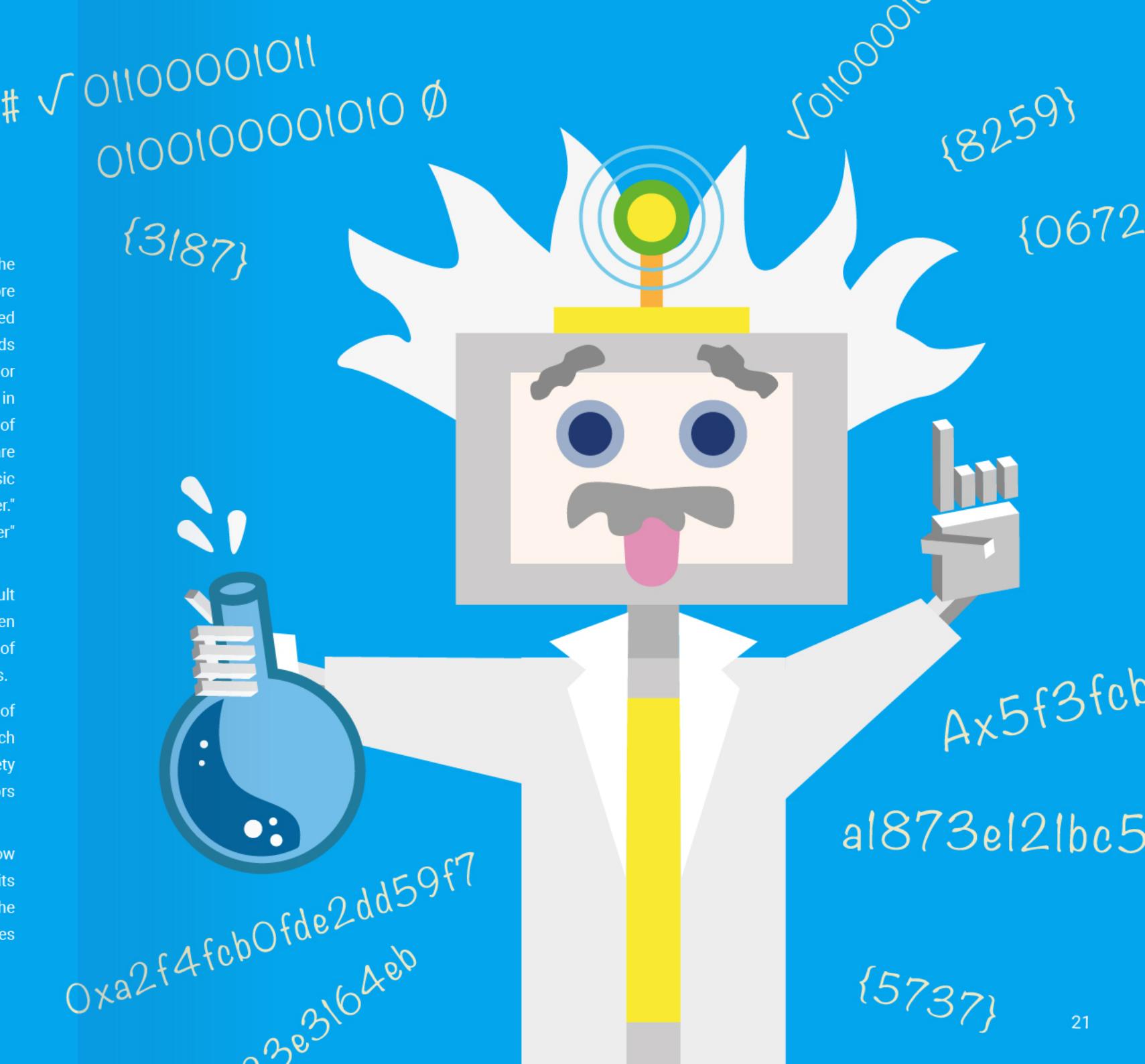
The baseline is a hypothesis: "The funds available for robots are enough to control machines' world". We guarantee machines can be completely independent in life support and people don't need to be afraid of them.

Robot integration into human world through digital economics is the safest development path of relationship between people and machines.



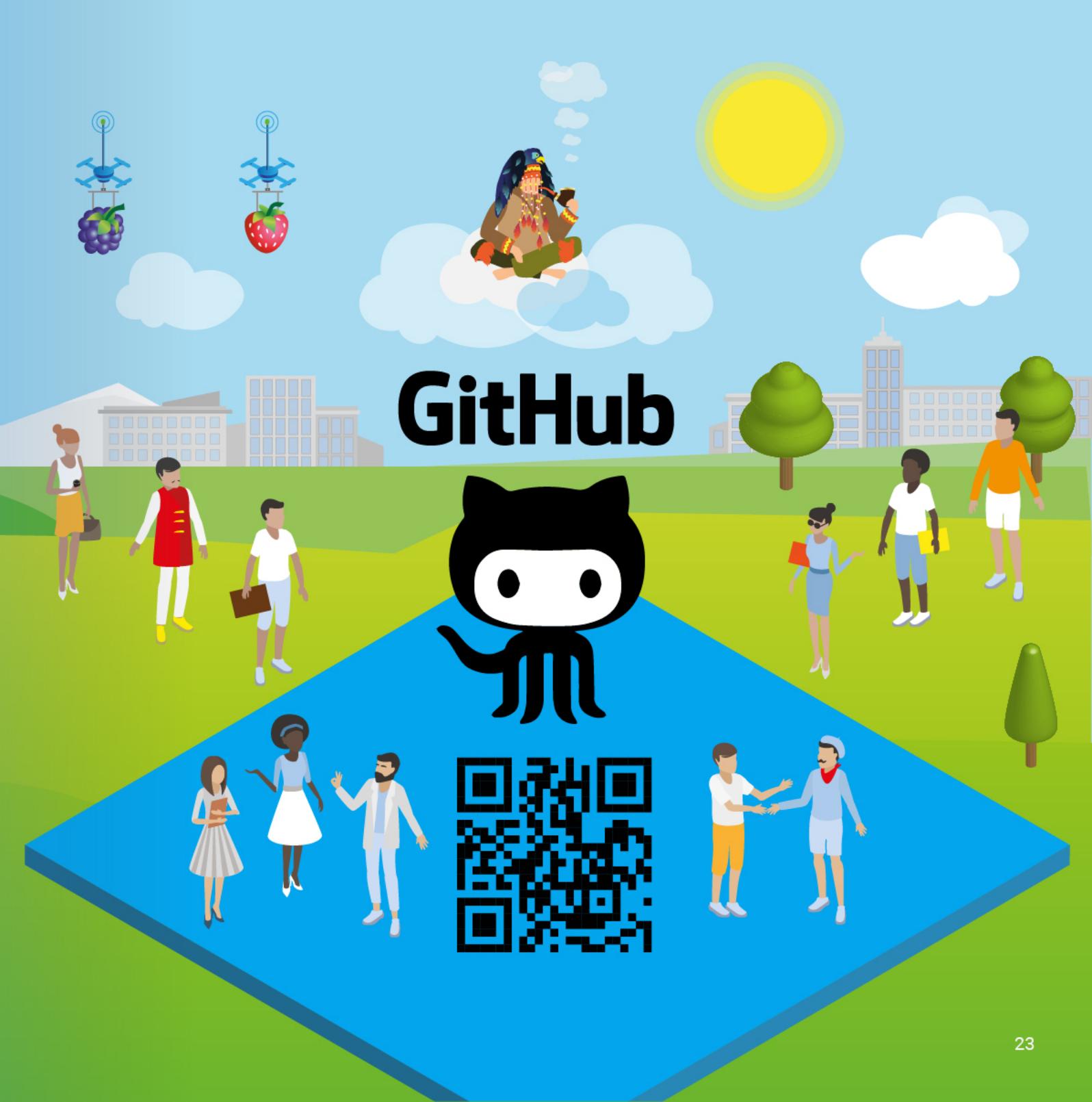
The power of the "center" is dangerous. Extrapolating the manner in which the world currently is developing, the more processes are automated, the more they are controlled centrally by total robotization of society is moving towards centralized control of machines by corporations or governments. The result can be that: robotic devices in your house / city / country can restrict freedom of movement, make it impossible to obtain the goods that are important to customers and to serve all including the basic needs of society based on the command from the "center." The dangers inherent in control by a "decision center" becomes evident in the following context:

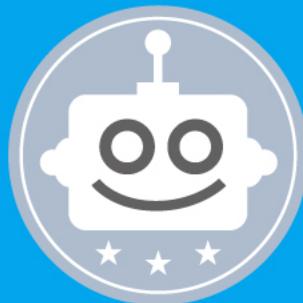
1. System failure. Naturally, no system can be without fault and risk, in particular if it is used throughout decades. Even a very short failure of a larger of the vertical networks of subordinate machines can lead to serious consequences.
2. Seizure of the decision-making center. In the face of ever-changing political elites, the seizure of centers which controls the machines on the function of which the society is based may be a central part of the policies of dictators coming to power.
3. Self-awareness of the robot. We can not be sure of how the robot will behave if it reaches the self-realization of its existence, and decisions that harm mankind could be the consequence. If a large network of subordinate machines is connected to the self-aware decision-making center.



OPEN SOCIETY

The project AIRA is an international project with open source.
Anyone can help the project having made a suggestion through
GitHub or on the website aira.life





Look into the future

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