Scuola universitaria professionale della Svizzera italiana
Dipartimento ambiente costruzioni e design
Istituto sostenibilità applicata all'ambiente costruito

SUPSI

HivePower: a blockchain based application for shared energy

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HIVE POWER

Decentralisation with blockchain technology

Transition from large power generation plants

Few actors with dominant market power

- High number of prosumers
- Decentralized DSM technologies and local energy market

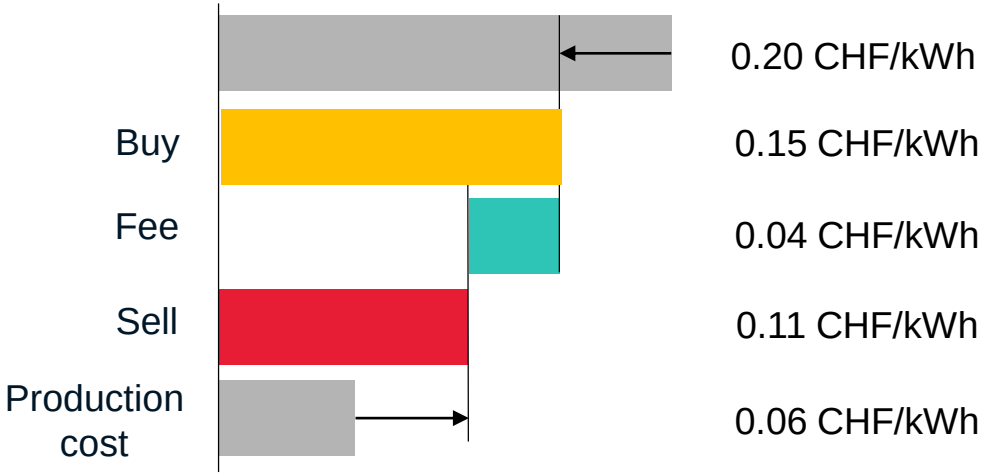
Aim of HivePower

- HivePower enables transparent, cheap and safe platforms for the management of energy sharing communities on blockchain
- Hivepower optimizes the energy exchange in communities with an intelligent local market design
- All members of the community benefit from lower energy tariffs thanks to lower production costs and lean management
- Prosumers are supported and contribute actively to the energy transition
- DSO has opportunities for new business applications

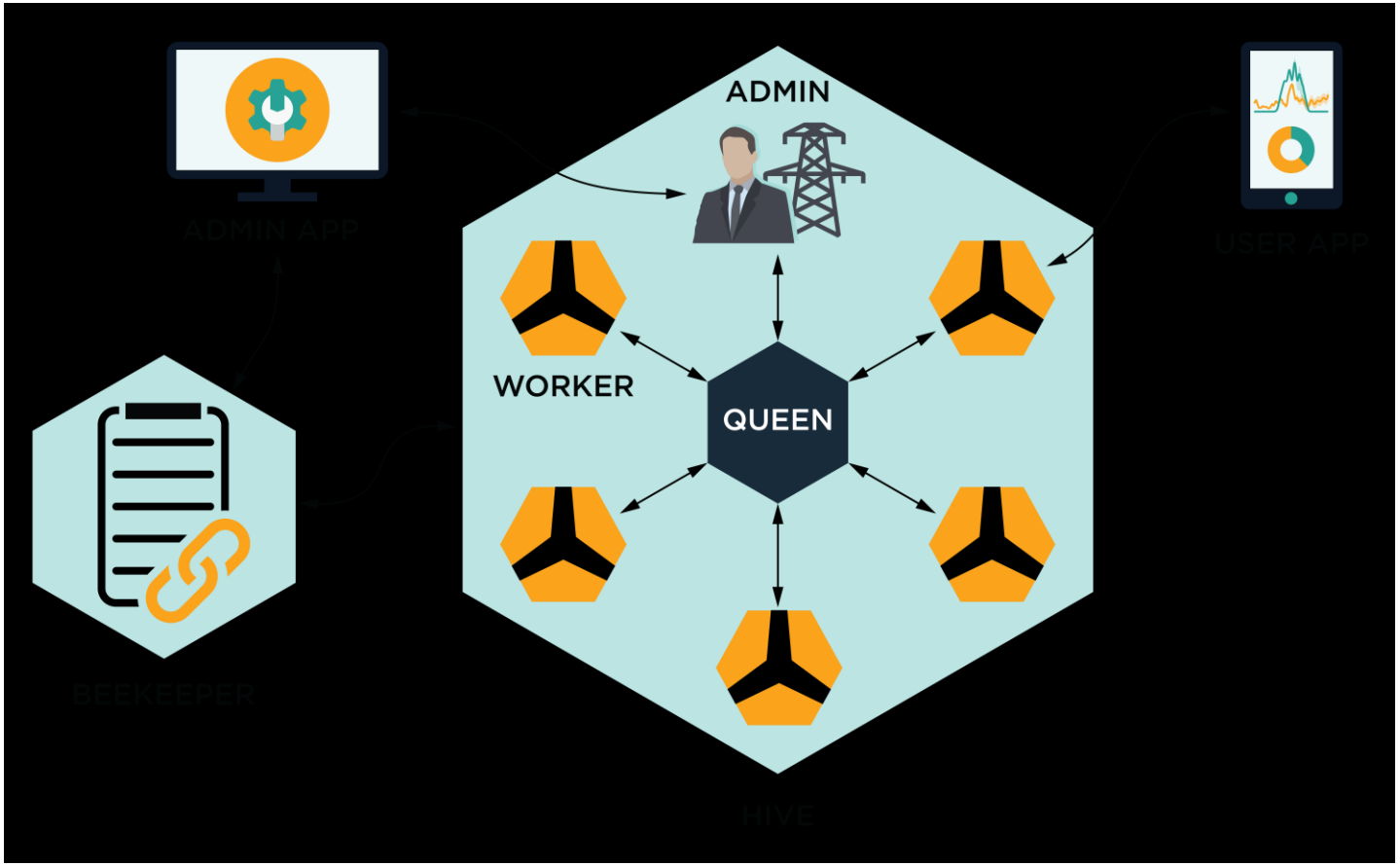
Cost and tariffs for final consumers

Actual tariffs for consumers

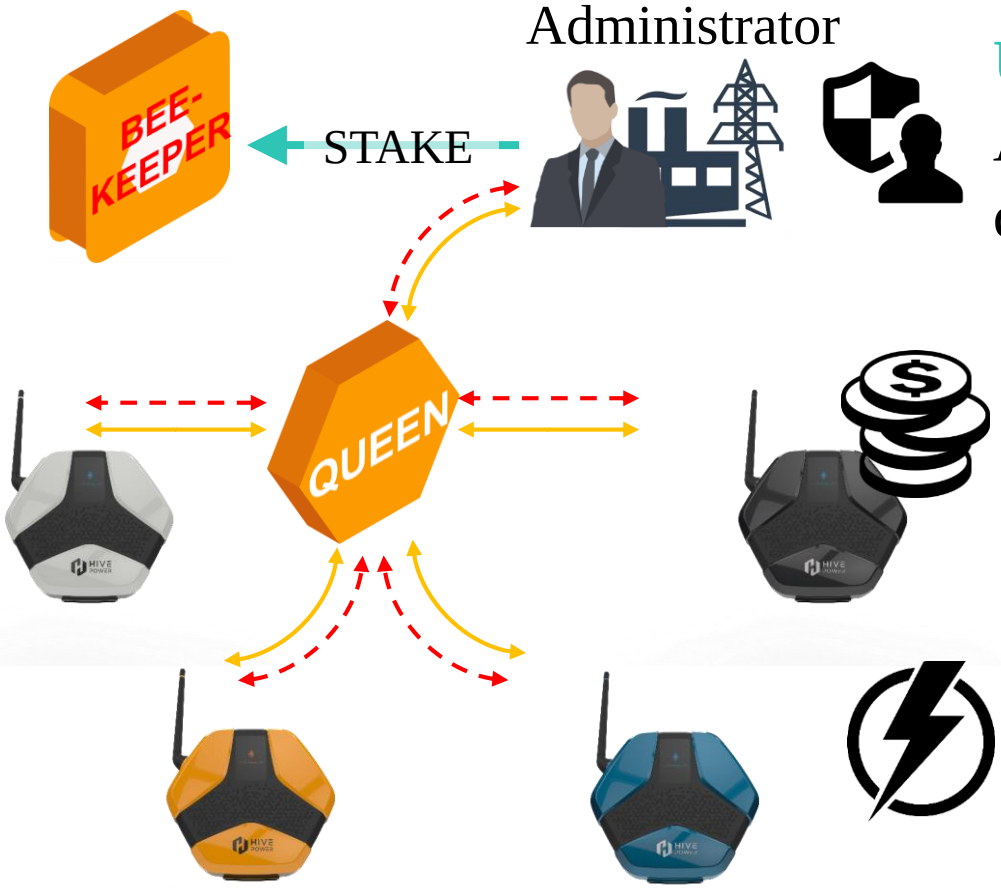
Tariffs in energy sharing communities



Concept of HivePower of an energy market platform as a DAO (Decentralized autonomous Organization)



Token Model of HivePower



UTILITY TOKEN
Access to the energy community platform
ERC20

PAYMENT TOKEN
Billing for the energy transaction
ERC20

ENERGY "TOKEN"
Tokenize energy in time and space

WORKERS: ETHEREUM SMART METERS

HIVEPOWER - TEAM

Spin-off of the Applied Science University of Southern Switzerland

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CEO

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Blockchain

www.hivepower.tech : White paper and detailed information

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