

# Vécoin™ utility token

Blockchain used for enabling  
green utility development



Vécoin™ | Sustaining  
local value



# Vétown - in short

## Make community based green economies mushroom

Vétown is a concept for making smaller independent communities all over the world thrive and prosper in the green economy of the future.

It provides:

- **A plug'n'play solution for a circular utility infrastructure** for local communities to secure supply of renewable energy and resources and generate wealth to the community.
- **A digital platform** for engaging, organizing, and enabling community members in the planning, management and operation of the circular utility infrastructure and other community facilities.
- **An progressive financing model** that can gear the initial investment to finance new Vétown projects once the first is established and it starts generating revenue to repay the investment.



# Circular utility infrastructure

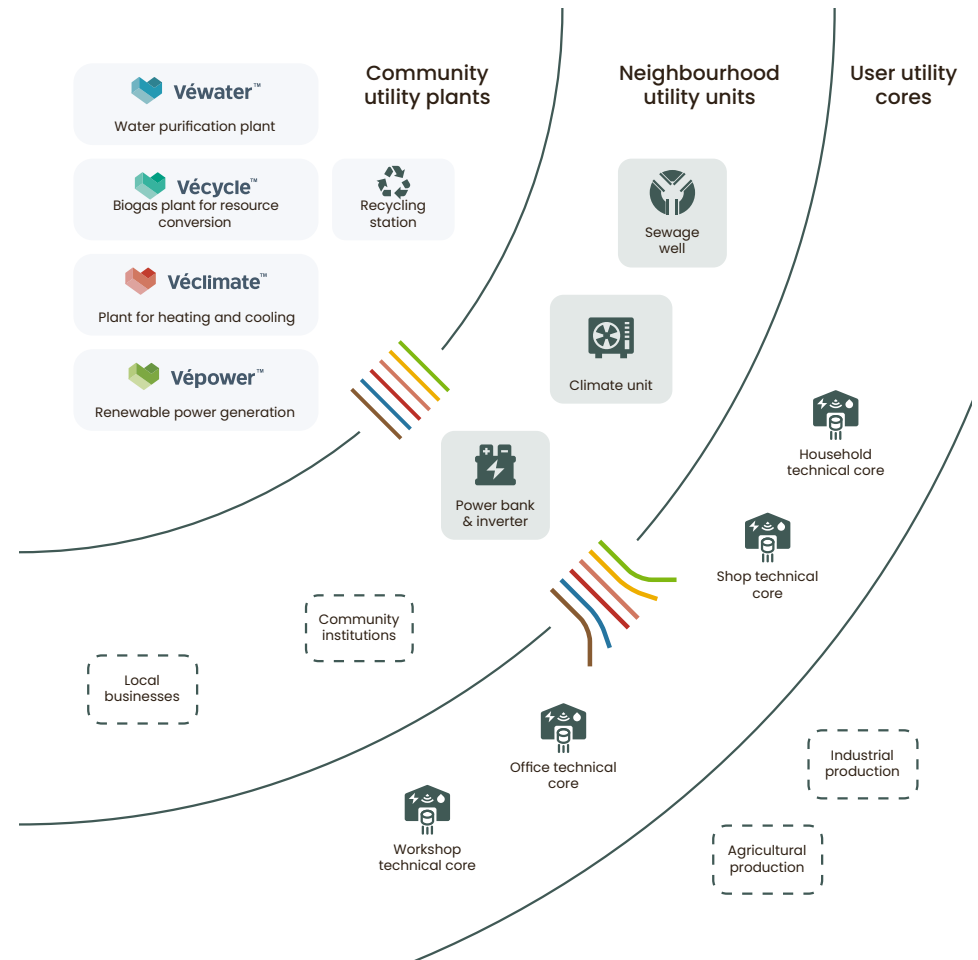
The circular utility infrastructure of Vétown lays the foundation for a well-functioning local economy

As illustrated it is structured in 3 levels of functions and facilities

The 3 levels are tightly connected in the overall supply grid, and the complete infrastructure is live monitored, operated and optimized by the Velink platform.

Apart from being hubs for the supply in each neighbourhood, the distributed utility units work as buffers in the grid, securing stability and resilience in the complete system.

Based on volume estimates and flow analyses this integrated circular system will work optimally for communities with approximately 20.000 inhabitants. If applied in larger communities, a Vétown will be set up in each district, instead of making one large.

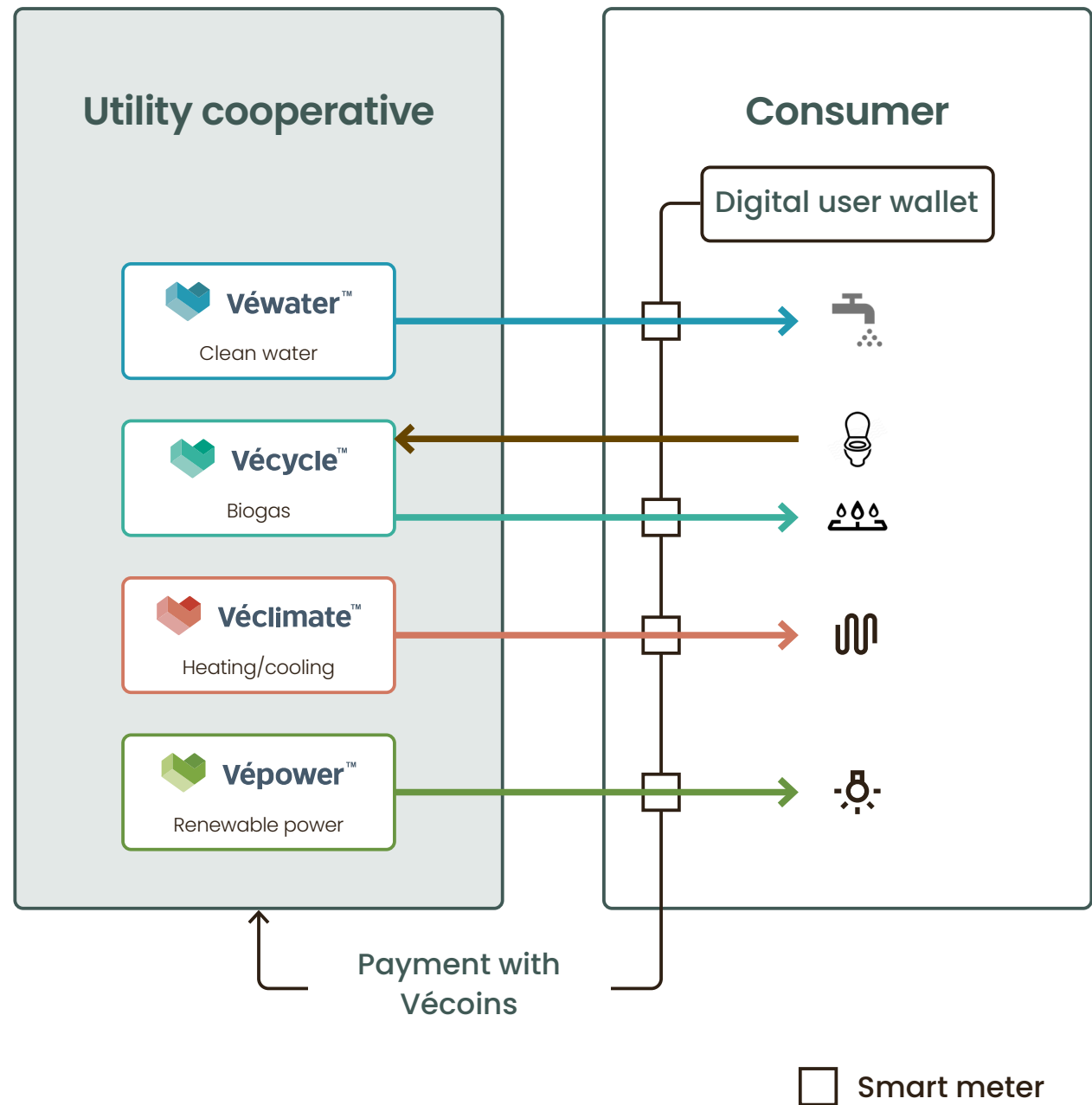


# Smart payment for utility services

The Circular utility system is organized as a cooperative – formed by the members of the local community, who are using the utility services.

Via their payment for the services, they gradually pay back the provided financing for establishing the utility system and acquire full ownership of it in common. The payment is secured with a smart digital metering and payment system – based on Vécoin utility tokens.

Each consumer has a digital user wallet topped up with Vécoins for paying the utility services. Each utility service is delivered via a smart meter that automatically cuts off the supply if the prosumer does not have enough Vécoins in the digital wallet to pay for the supply.



# A tangible currency

Vécoin™ serves as the community's utility token and supplementary currency.

**Vécoins can only be used within the community** and never exchanged to any other currency.

A supplementary currency needs a practical use for it to work for the community. This is known as a sink. In Vétown™, the sink is the local utility services.

Having a closed system with one-way exchange and a viable sink **allows for the local economy to begin blossoming**. With no transaction fee between community members, people prefer to spend their money locally and offer their services to fellow community members.

This way, money can circulate in the local economy instead of draining out. And every time a community member deposits new Vécoins in their wallet, more local value is created.

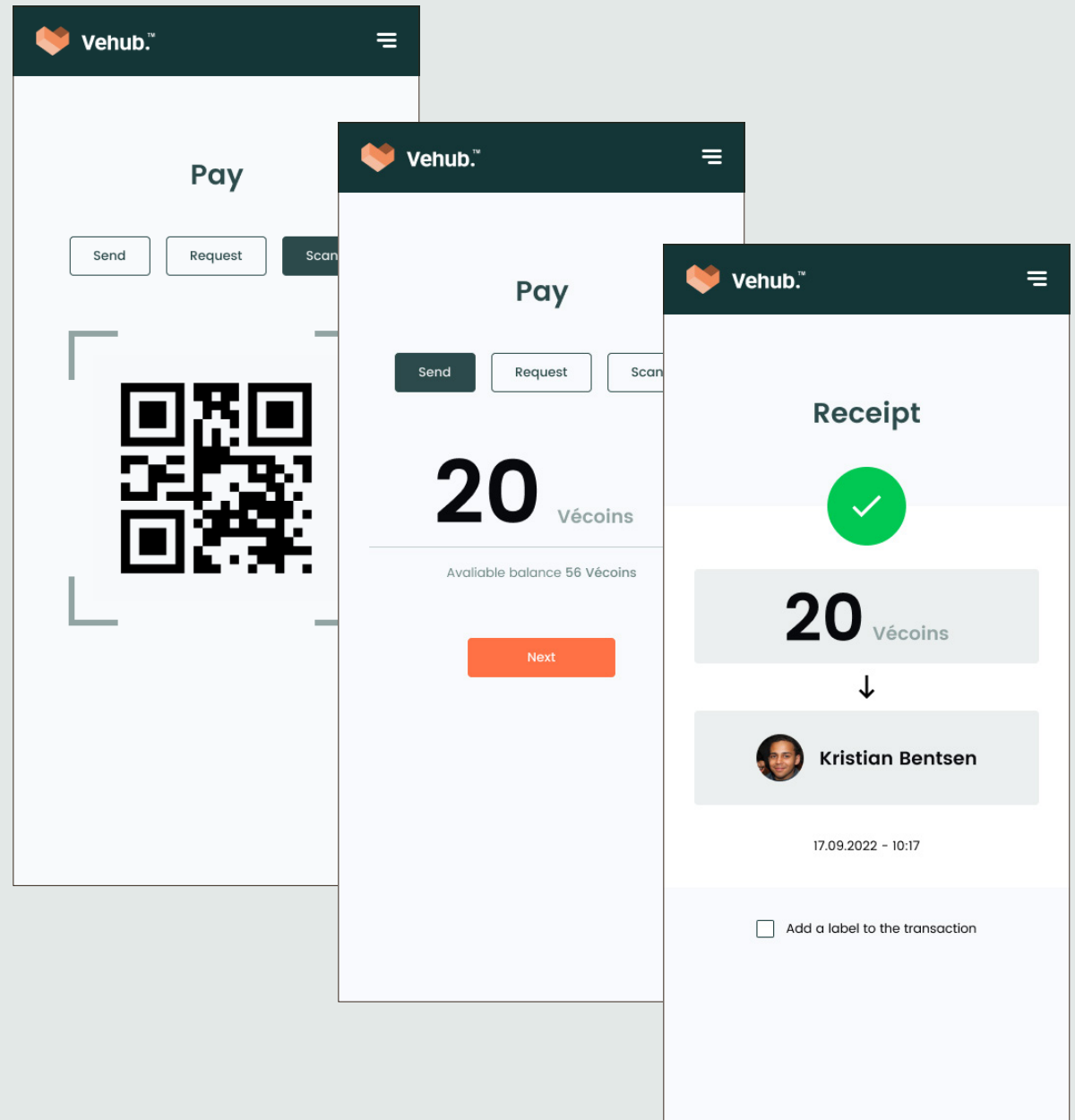


# How does Vécoin work?

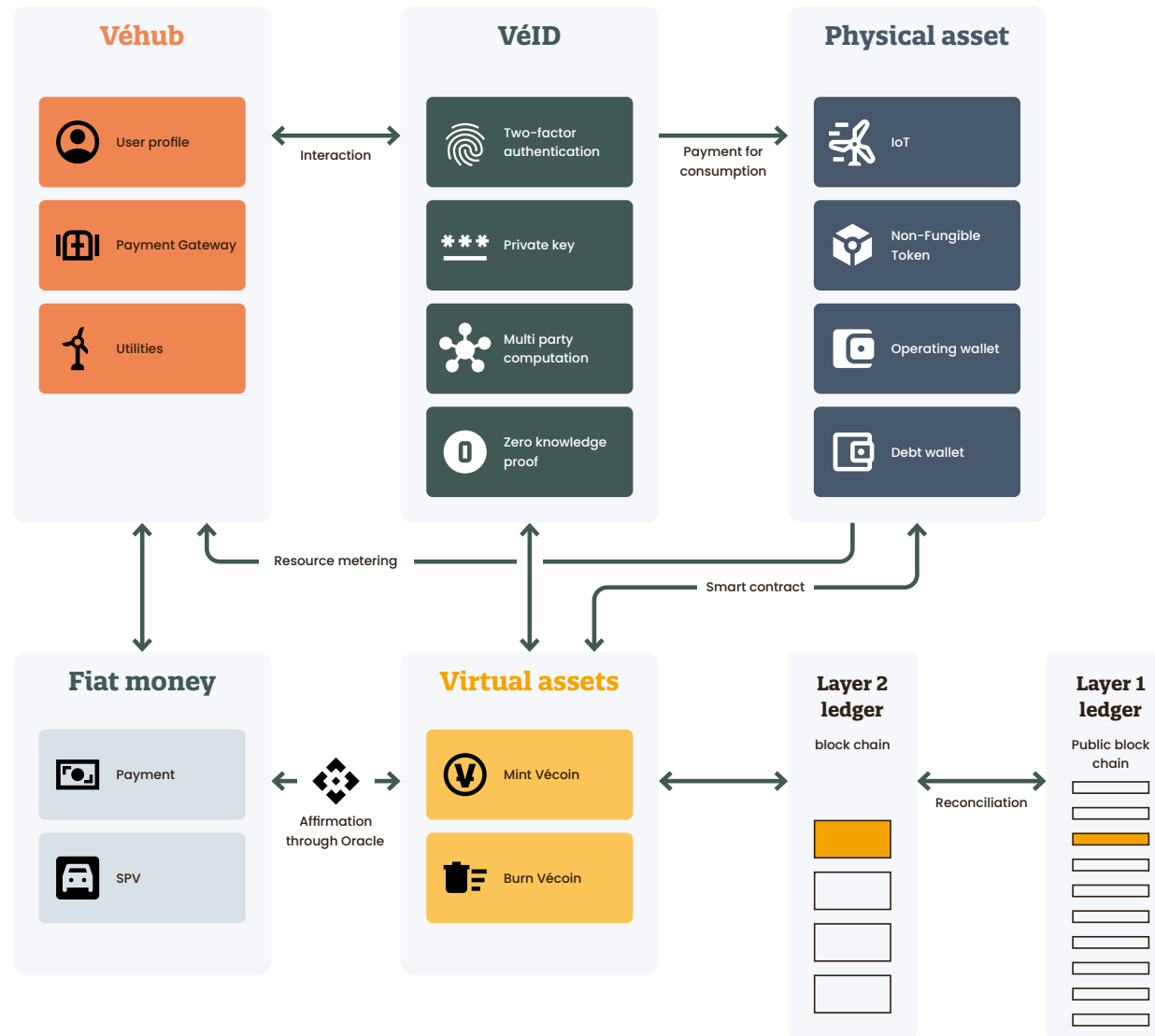
Every user on Véhub™ has a digital wallet. From here, you can purchase Vécoins. You can use Vécoins to pay for all your Véhub™ services such as power or clean water. And you can also use them between yourselves within the community.

Members of a local community can transfer Vécoins between one another for things and services **without any transaction fee**.

Vécoin™ prevents money from draining out of the community. When you purchase Vécoins to your wallet, these can only be spent within your community and for paying for utilities. The more your money can **circulate within your community**, the more you can grow locally.



# Vécoin feature map





# Holistic wallet ecosystem

## VéID (Personal wallet)

Your VéID is a biometrically verified digital cryptographic ID used to represent yourself for voting and decision making via smart contract in your community.

The digital ID also acts as a wallet to receive and control your Vécoin and can be used to verify yourself in various ways to other users, companies, and communities using Véhub.

These are hot wallets allowing self-custody of the assets. Individuals are the only ones allowed to transact from their VéID wallet.

## Group wallet

Group wallets (for households or local businesses) are a hierarchical ledger container that is controlled by the members within the group.

Other members cannot pull funds from an individual's wallet, but members within the group can choose to pool Vécoin to make purchases collectively.

The group wallet may also be used during smart contract controlled voting on Véhub. Group wallets use multipart computation to ensure the required number of family members approve the payment/vote.

## Debt wallet

The debt wallet for an asset is the receiving wallet for Vécoin spent by users of the utility that will pay back the investment.

These Vécoin are converted into the relevant fiat currency of the bond.

Once a debt wallet has repaid the investment, any new Vécoin earned by the utility will go into the operating wallet controlled by the smart contract constitution for the community.

## Operating wallet

Members can vote on how to use or redistribute any new income.

It may also change the cost of the utility smart contract to ensure service and maintenance costs are covered, while freeing up capital to reinvest into the community.

Operating wallets use multipart computation to ensure the required number of members or families approve the payment/vote.

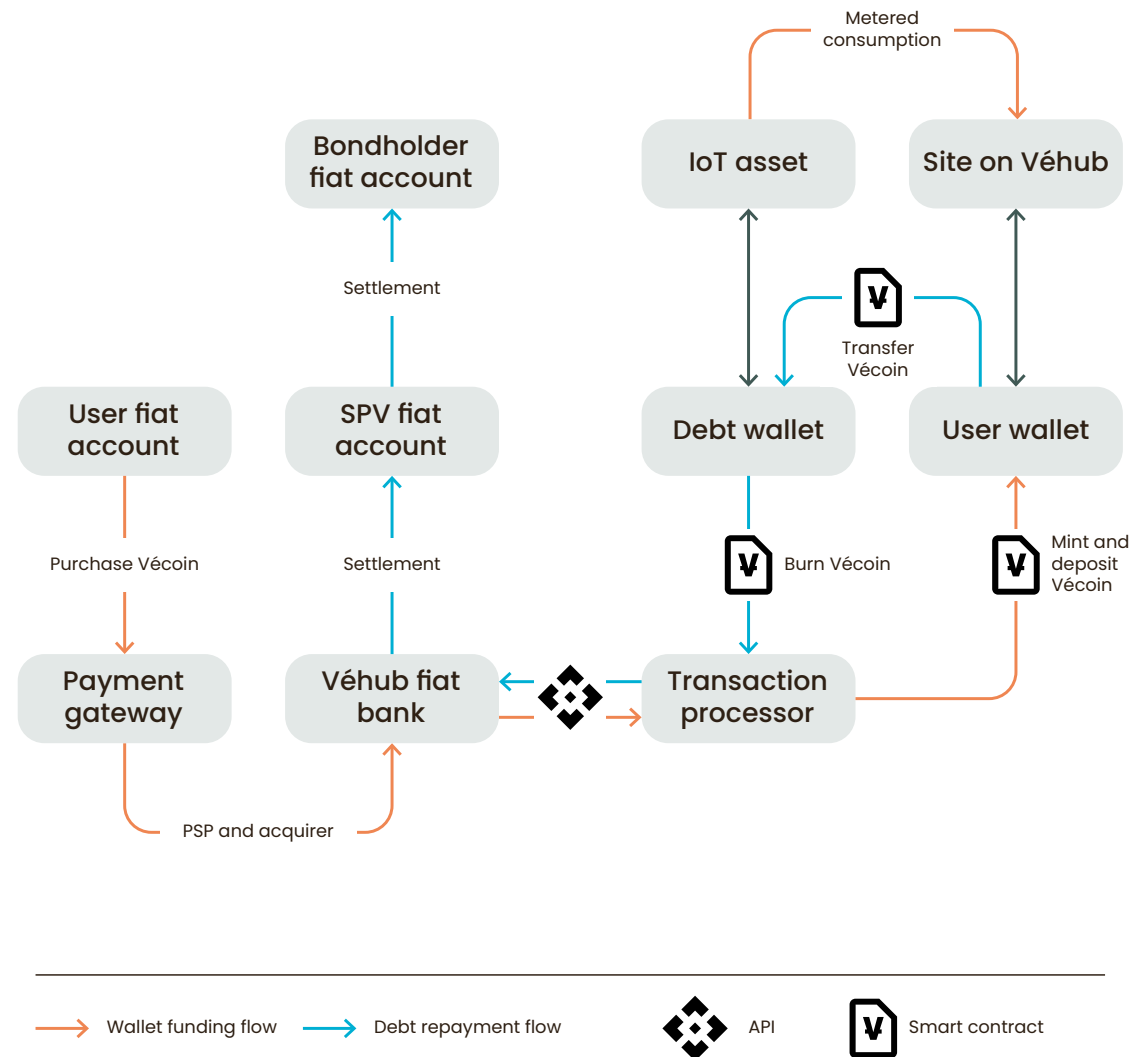


# Financial system

When set up in tight circular supply systems, green fossil-free utility services can be provided at significantly lower prices than in large linear supply systems. This is sustained by a »Behind the meter logic« made possible by the proposed supplementary digital monetary system.

With the irrefutable payment systems illustrated to the left and utility tokens (Vécoins) for pre-specified use (utility services) it secures payment for the provided utility services and repayment of the investment in the established utility facilities.

Together this makes the Vétown circular utility system a safe and attractive investment case.



# Contact

**Niels Holck**

CEO Green Island Group

[nh@greenisland.dk](mailto:nh@greenisland.dk)

**Niels Mikkelsen**

CEO Vétown ApS

[nm@vetown.org](mailto:nm@vetown.org)

**More information**

[www.vehub.org/vecoin](http://www.vehub.org/vecoin)

[www.vetown.org](http://www.vetown.org)

[www.greenisland.group](http://www.greenisland.group)



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