Véhub™ | Growing community

Uniting communities through a digital platform.

September 2024

Green Island Group.

Green Island Group introducing Véhub

Green Island Group incubates hybridized greentech solutions for community scale, based on off-the-shelf proven green technologies.

To support local adoption of green solutions, we have created Véhub.

Véhub is a digital platform that helps local communities organize around their green transition.

- Véhub converts communities into viable customers of greentech solutions.

- We facilitate the implementation of the solution through a collaborative process involving the community.

- And we operate the solution from the cloud using remote monitoring and direct cloud-to-PLC controls.

Véhub™ | Growing community

In the following pages, you can learn about how Véhub ...

Power to the people, from the people.

Become self-sufficient with green power

Vépower™

Create your own energy community

With a Vépower solution, your community has a cheap and reliable supply of green power.

We offer a modular power solution that you can implement one household at a time all the way **up to a full community-scale micro-on-macrogrid.**

It also works for powering a farm, industrial facility, school or rural hospital. For every module you add, we connect the individual sites to begin forming your local grid.

Local electrification

Creating your own local solution makes it possible for rural and underserved communities to leapfrog the costly and lengthy work of getting a reliable power supply.

Connect with neighbouring communities

We **hook up your microgrid to the bigger grid if available,** and we can even connect your community's grid with neighboring communities.

With Vépower, your community owns its own power supply, to meet your power needs and take part in the green transition on a regional scale.

Local transition

To own your own powersolution is the fastest and cheapest way of transitioning away from fossil fuels.

»*The Vépower™ model for electrifying local communities is the most practicable I've seen to date. It's modular, which means it can grow organically up to any scale, and it relies on community ownership, which means the community can organize around the shared goal of becoming energy self-sufficient.*«

Humberto Valenzuela
Solar Power Engineer, Chile

Own your power

+ **Produce your own power**

+ **Create revenue that stays in the community**

+ **Cut out the middleman and save money**

Vépower™

Offered in collaboration with ...

ElectrOnline
En la Vanguardia Tecnológica

Installation and
services

Véhub™

Project development
and cloud operations

DEVRIES
Power & Utility Solutions
Div. of Jerry Trafford Pole Line Construction Ltd.

Installation and
services

SPARKMETER

Advanced meter
infrastructure

NERVE
SMART SYSTEMS

Battery management
system

Vestas®

Refurbished community-
scale wind turbines

The Vé
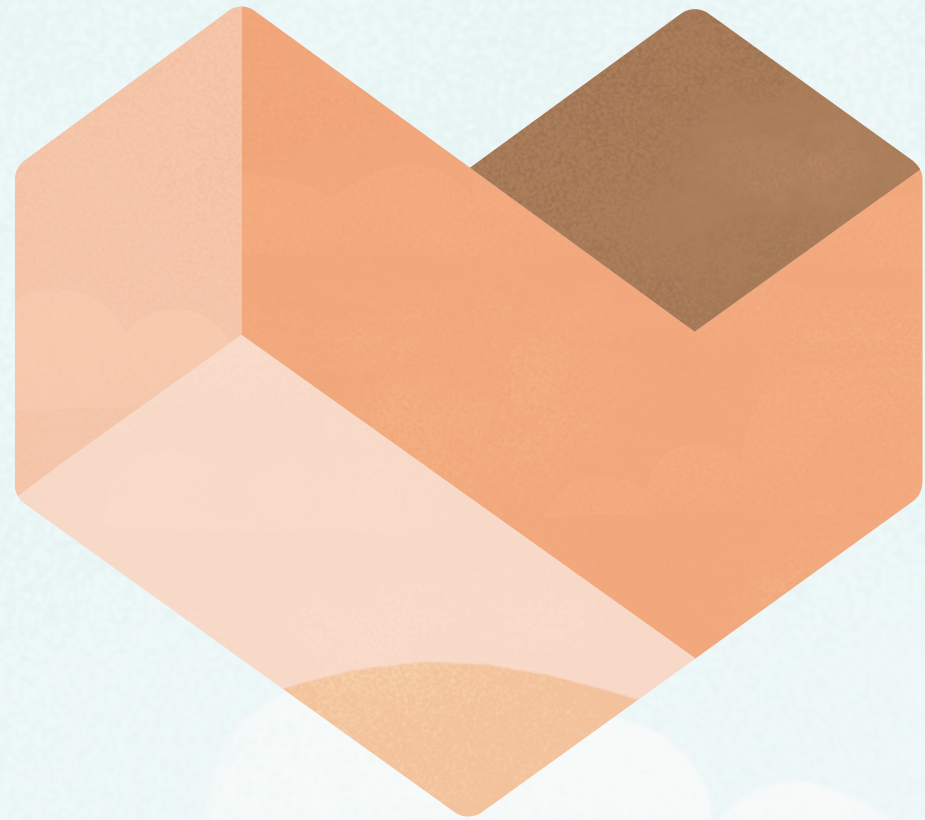## *— Your* digital town square

A Tool on Véhub™

Véhub™

The heart of *your* community

A Vé is an old Norse practice of gathering the community in a circle of nine hazzle branches rooted in the ground. As you enter The Vé, you leave your own ego and self-interest behind and focus on what is best for the community.

The Vé was the heart of ancient Norse communities, and your digital Vé is the heart of your community on Véhub™.

The Vé in action

Every community on Véhub has a Vé. Here community members can start projects to qualify for new solutions.

Choose from a list of predefined project templates, each with its own clearly stated purpose and a number of objectives, that you as a community need to complete, or create your own projects from scratch. An example of a project in The Vé could be:
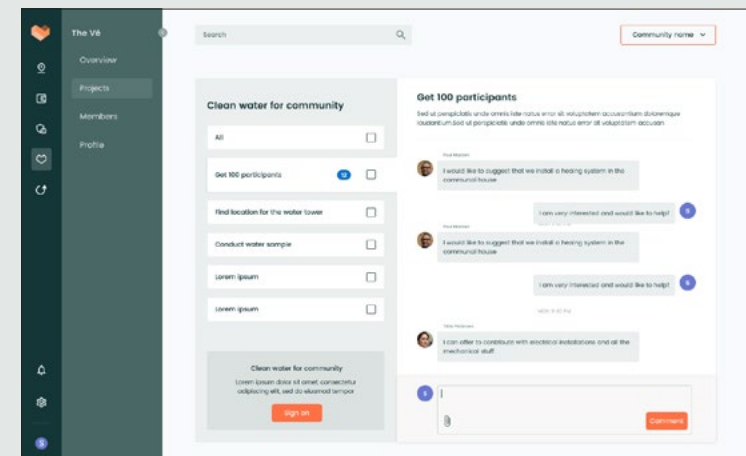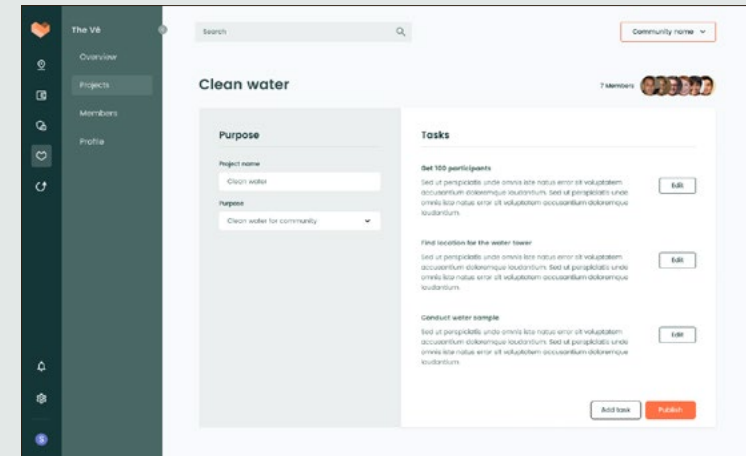
Purpose

Get clean water for our community.

Objectives

- Organize 100 participants.
- Find a location for the plant.
- Conduct a water sample.

When you have completed your project, your community now qualifies for a Véwater™ solution, and you can implement this solution through a Vésprint.

Build *your future* in easy steps with Vésprint™

A Tool on Véhub™

Véhub™

Implement best-in-class green solutions

With Vésprint™ it is now possible for you to implement the best green technologies in your local community. Anything from biogas plants, solar, wind, and water utilities.

Through a step-by-step guided process, your community becomes the driving force in designing and attaining local permissions for your green solution. In addition, you can follow every step in the construction and commissioning.

No special expertise is required on your part. With Vésprint™, local enthusiasm is all it takes to make communities the drivers of the green transition.
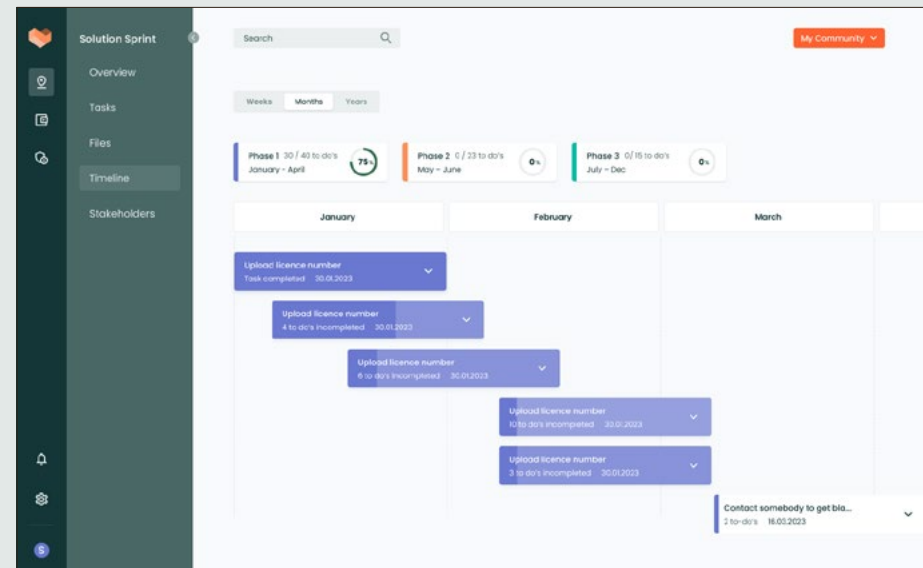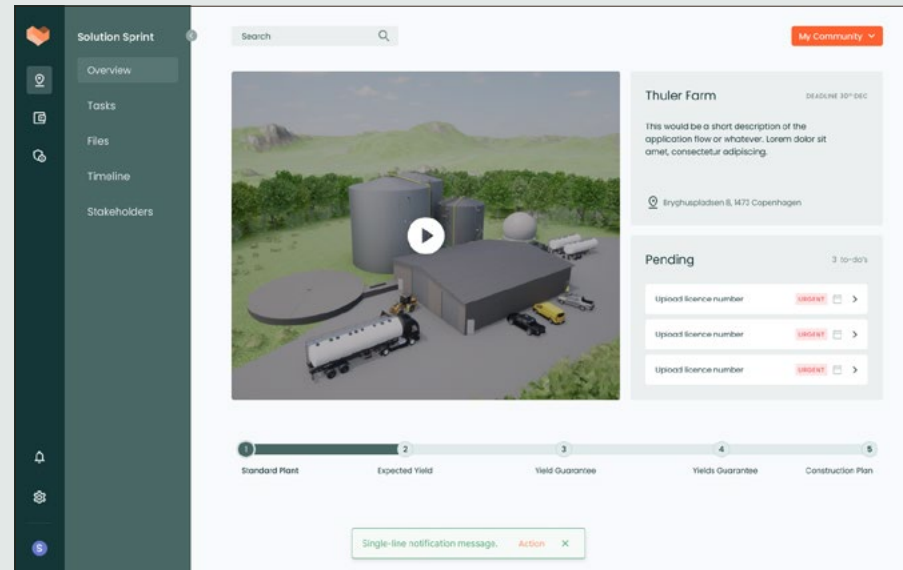
Collaborative project development

Vésprint™ facilitates a collabora-tive process between all the different stakeholders that make up a project. From the individual solution provider's engineers, local contractors, partners, and of course the community itself.

With detailed timelines, file sharing, documentation, and in-platform task completion, we have brought together all the necessary project development tools together in one place.

Create *your own* circular economy with Vécoin™
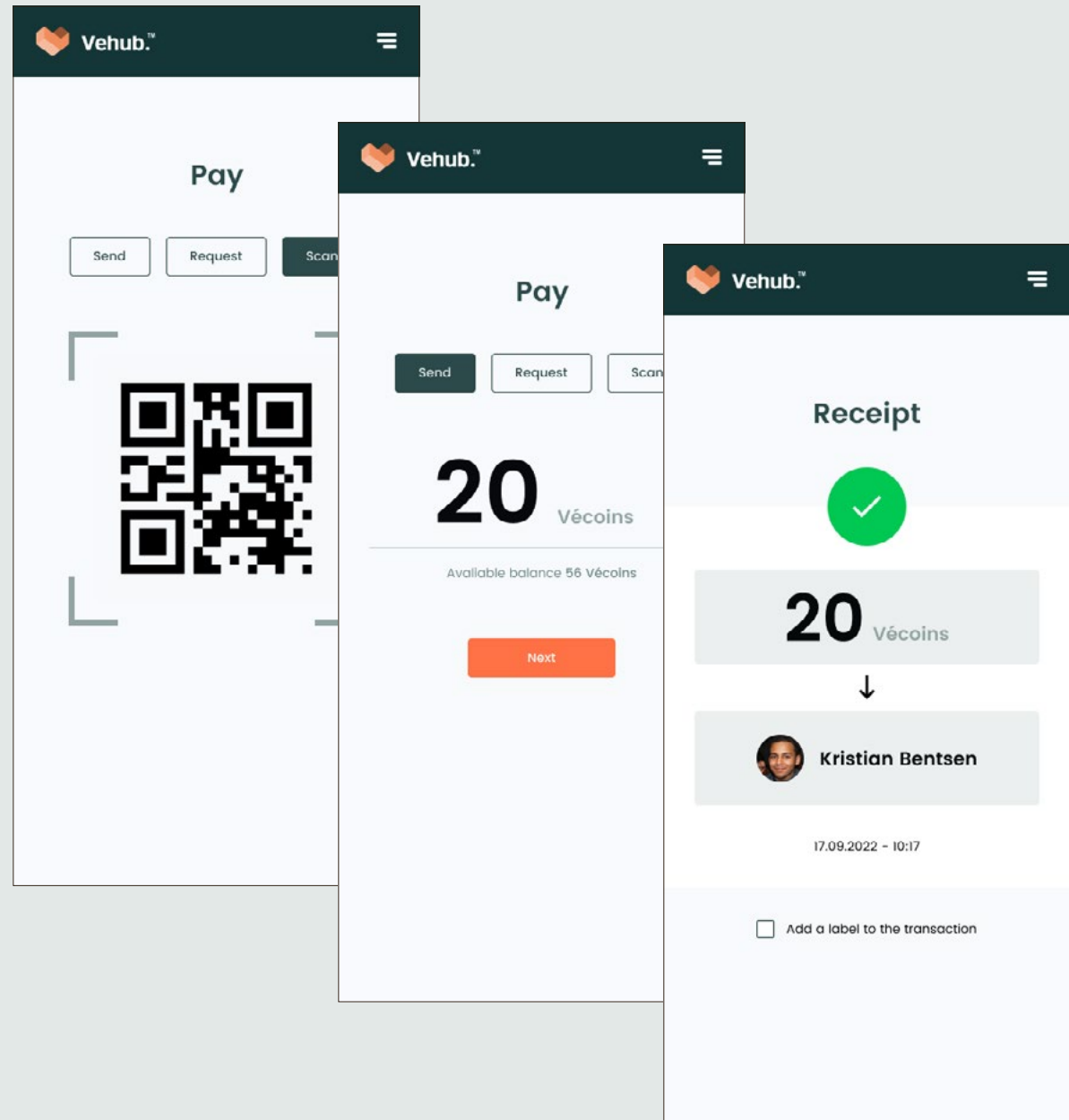
A Tool on Véhub™

Véhub™

What is Vécoin?

Every user on Véhub™ has a digital wallet. From here, you can use Vécoins to pay for all your Véhub™ services such as power or clean water.

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 your community grows.

The market for decentralized energy

Tap in to local applications

- Véhub is your new purpose-driven sales department.

- We facilitate sales of green utility solutions on a local level.

- And we have already matured your first new segment of customers with an expected pipeline of 100 refurbished wind turbines.

- We work with a digital funnel that can mature and convert local communities to customers.

- And we work with designated partners in different geographies with outreach to different target segments.

Our partner in Chile organizing local people to form an energy community.
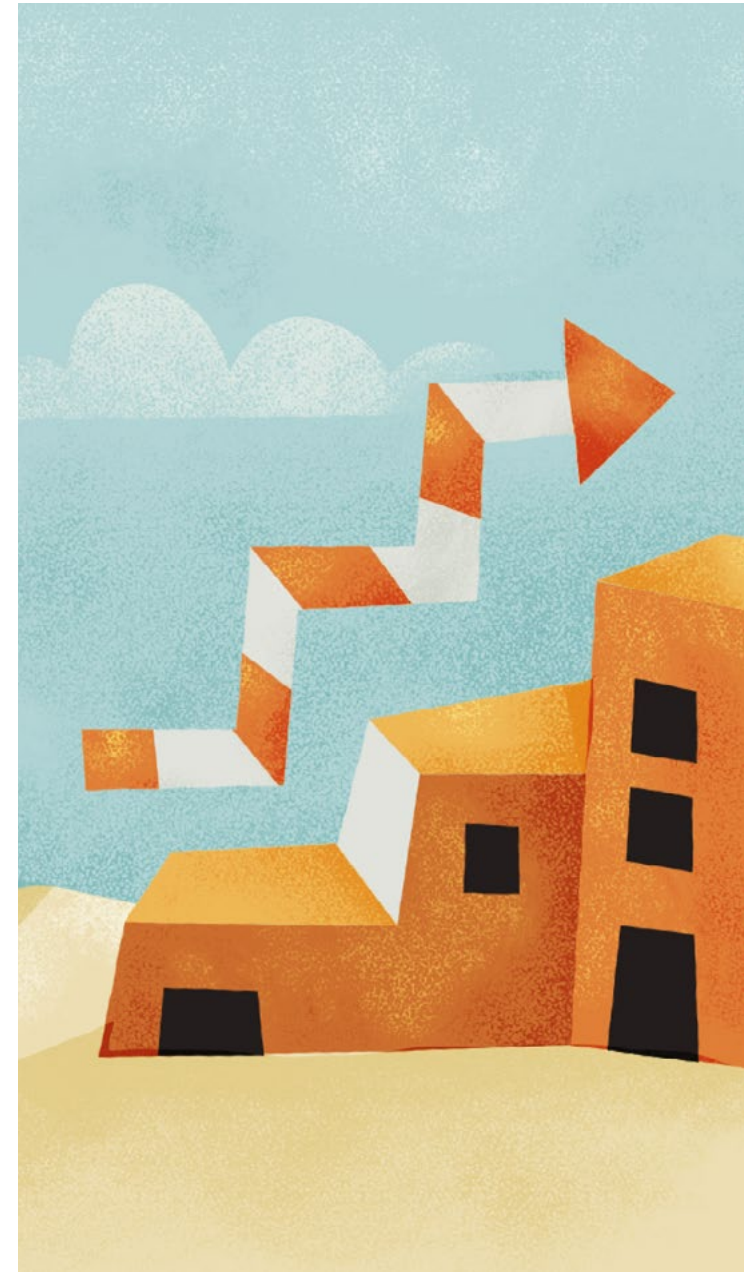
The growing market of decentralized energy

Decentralized energy is a growing market trend in the energy sector. It involves the production of energy from small-scale, on-site sources, close the the point of consumption. The global market for decentralized energy was valued in 2021 at USD 276.8 billion, projected to reach USD 520.5B by 2028 at a CAGR of 11.1% over the forecast period (Vantage Market Research, 2023, Washington DC).

This growth is driven by:

- A growing trend towards decentralization in many areas of society, of which the energy sector is no exception (Forbes, 2021).

- A growing ecosystem of decentralized energy SMEs (Leonard, 2022) enabling market-ready technology advances such as intelligent network management, storage, and two-way networks.

- Concerns regarding grid flexibility and resilience as a result of large scale introduction of renewables in the energy mix.

- Efficiency in providing access to communities with poor or no grid connectivity.

Highlighted segments

Energy communities

Converting local communities to customers

Local communities all over the world are implementing small-scale prosumer-owned energy solutions – to date, largely driven by solar.

There is a great potential to include small wind turbines in these local setups.

- We work with ElectrOnline in Chile to offer microgrid solutions that can include small-scale wind turbines.

- In Denmark, local applications include district heating communities.

- The largest potential is in the Global South, where millions of people have to opportunity to leapfrog costly T&D development and get started with green affordable power today.

Farmers and industries as energy producers

How to sell a hundred wind turbines

Through our partnership with the Canadian dairy industry, we have created a sales pipeline for 300+ Vécycle biogas plants, boosting exports for a number of suppliers in the Danish bio-gas industry.

Using the same B2B channel, we are establishing a new pipe-line for the sale of up to 100 on-farm wind turbines. The pilot project is under way.

Véhub Communities

The Véhub flagship project

Véhub Communities is our full-suite plug and play solution including a full utility setup alongside software tools for community development, financial services, and utility operations.

This is aimed at greenfield development and substantial transformation of communities lacking adequate and sustainable infrastructure for sanitation, waste handling, and supply of energy, water, heating/cooling and fertilizers to grow food.

The Véhub Communities concept is developed to align with official United Nations Development Program strategy and is intended for implementation through UN channels.

The brand value
of going local

Brand value

Vestas Refurbished as »the local wind turbine«

Marketing Vestas wind turbines through Véhub benefits from being framed in a hyper community-centered environment.

This creates an image of wind turbines from Vestas Refurbished as being the »local choice«, which is an appropriate branding of a product with such strong local applications on the one hand (opportunity) and pronounced local footprint on the other (risk).

Ugly

This wind turbine is …

- An intrusive eye-soar.

- Draining profit out of our community.

- Owned by distant investors.

Beautiful

This wind turbine is …

- A beacon of our progress as a community.

- Helping develop our economy.

- Owned by us.

Our wind turbine is beautiful

Local ownership makes people identify with the product and brand.

The wind turbine becomes a symbol of the community's success and local identity.

Wocawson Energy Project

First Nations of New Brunswick, Canada

Contact

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More information

www.vecycle.dk
www.vehub.org/vecycle
www.greenisland.group

Green
Island
Group.

Véhub™