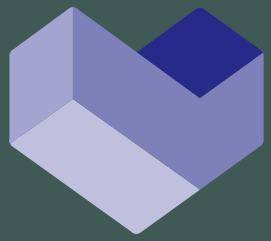


Vélink™

Empowering sustainability

Vélink and Nutrient Circularity

Warning; this is not a high-pitched, easy to understand deck.

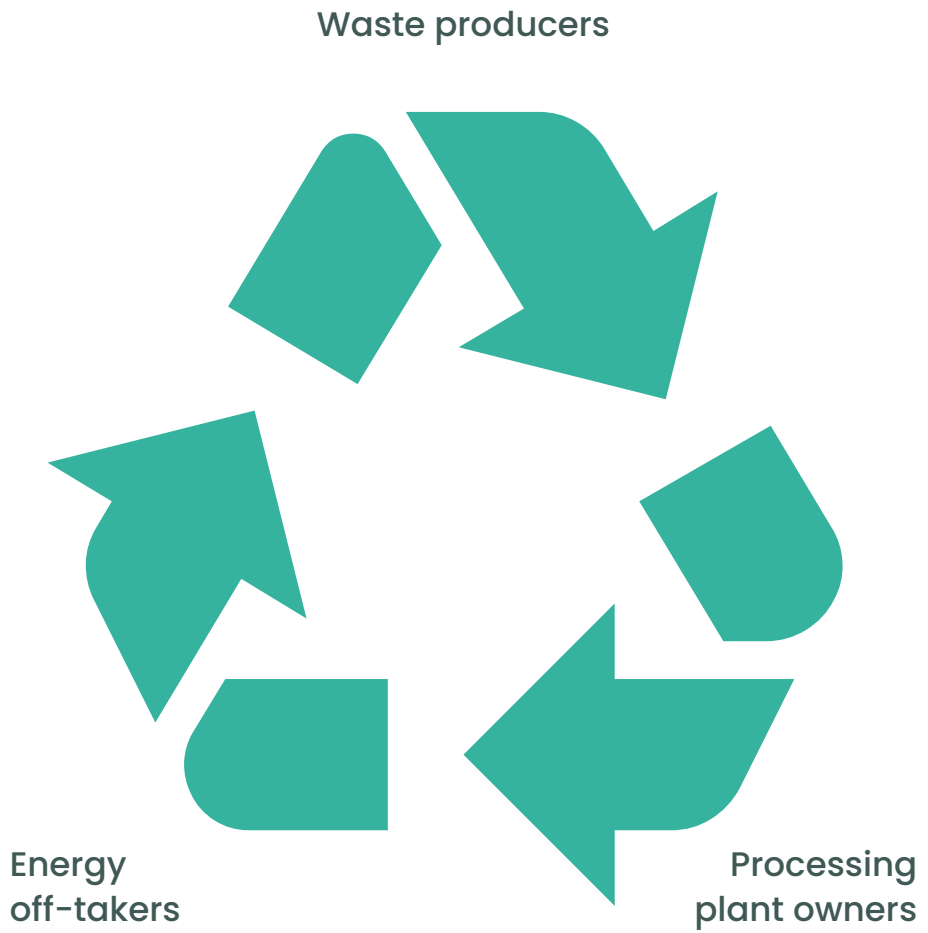
We want you to understand the future of fossil free utilities and it's operations, it is one of the biggest business opportunities of our time, but it requires holistic thinking.

The CAPEX of establishing fully fossil free utilities cost 8% more than traditional fossil driven solutions, while the OPEX for households and industries is less than half.

The biggest opportunity of them all, is nutrient circularity, a community can produce 26% of their energy needs from their organic waste streams. Methane is a high-density energy, crucial for the green transition, as it can be stored, and it can drive trucks and tractors.

Succes depends on aligning interests between waste producers, owners of processing plants and off-takers of energy.

Denmark is world leading in Biogas, we have 35 years of experience of operating biogas plants with multiple waste streams as feedstock – Vélink is operationalizing this knowledge globally.



Vélink

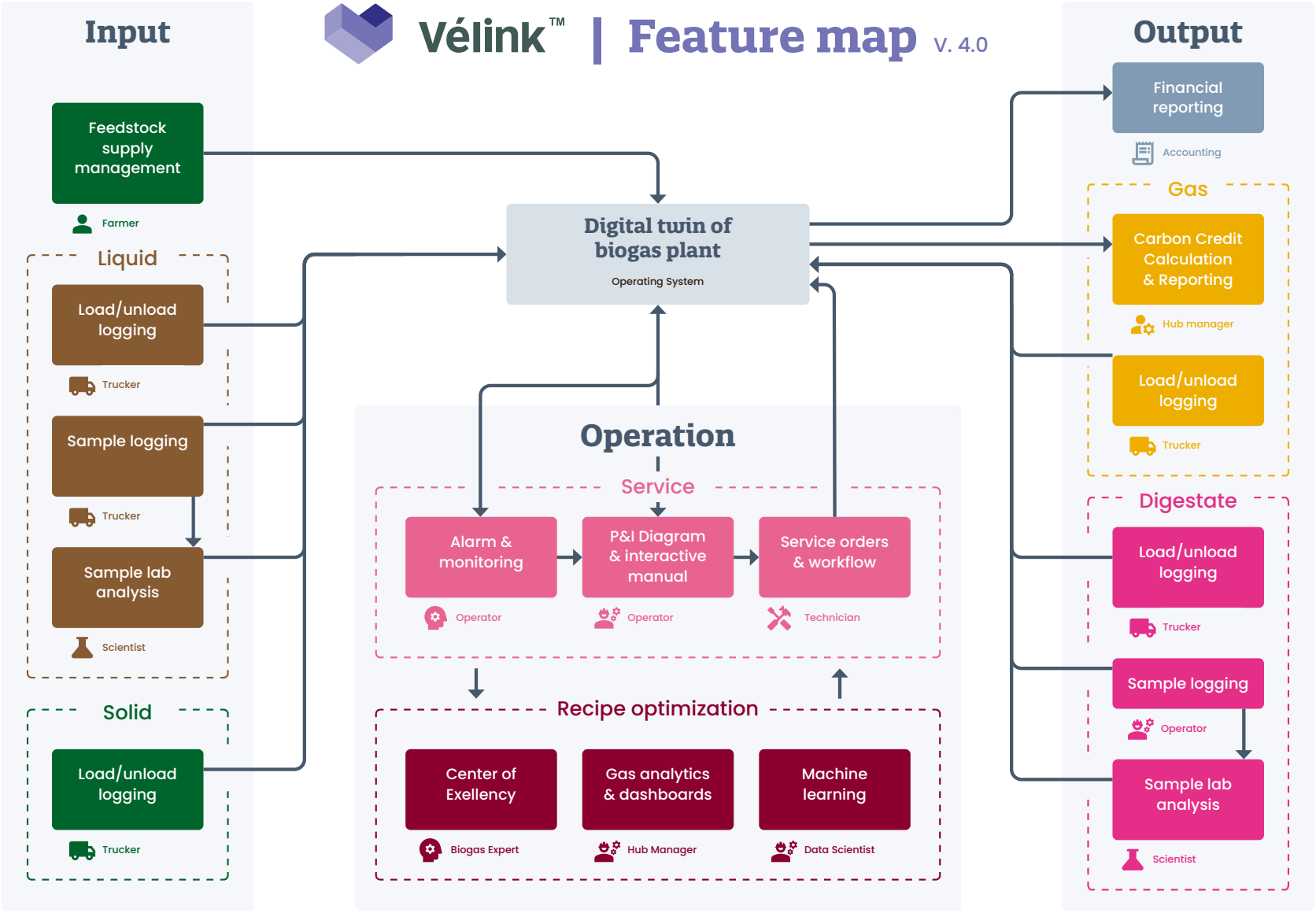
Vélink™ makes it possible for farmers and regular communities to become biogas plant owners without having to become expert biogas plant operators.

The backbone of Vélink™ is our digital infrastructure, supporting a distributed organization on the ground.

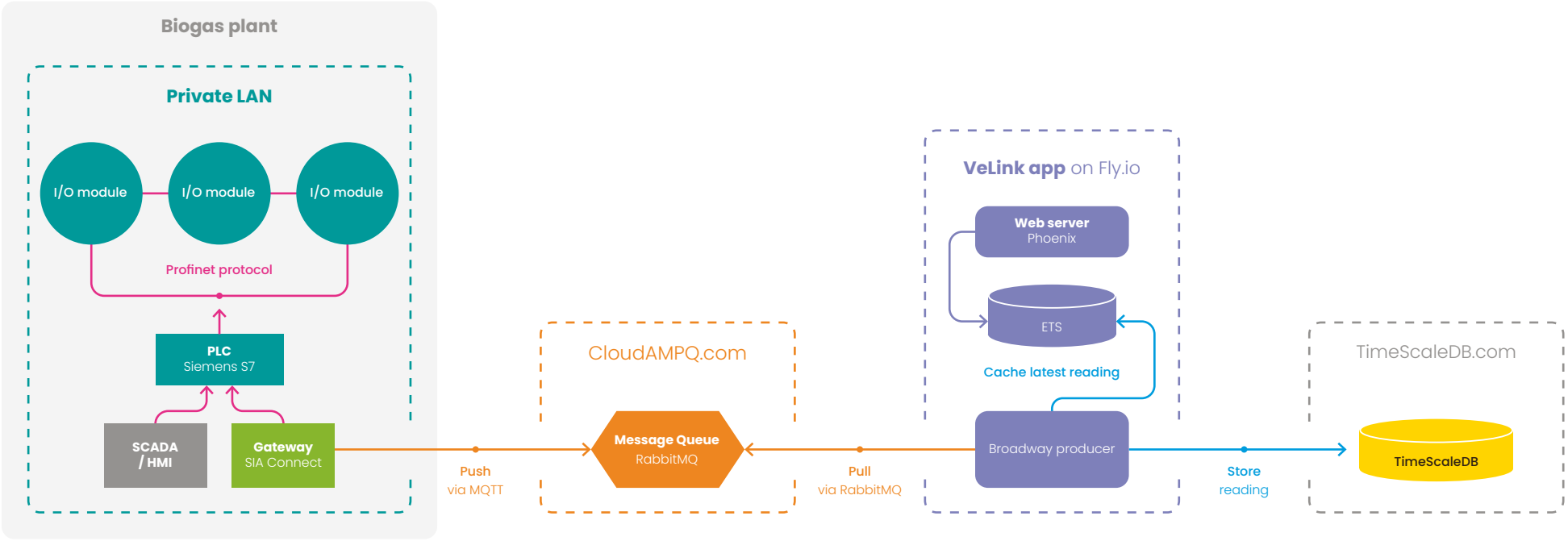
High yield is the key driver. Vélink™ ensures a high yield by:

- **Maximizing up-time:** Real-time monitoring of every process allows for timely discovery of issues.
- **Optimizing operations:** We analyze operational data to continuously optimize recipes and operations, implementing across the entire portfolio of plants.

Vélink™ | Feature map V. 4.0



Flow of IoT data for Vélink



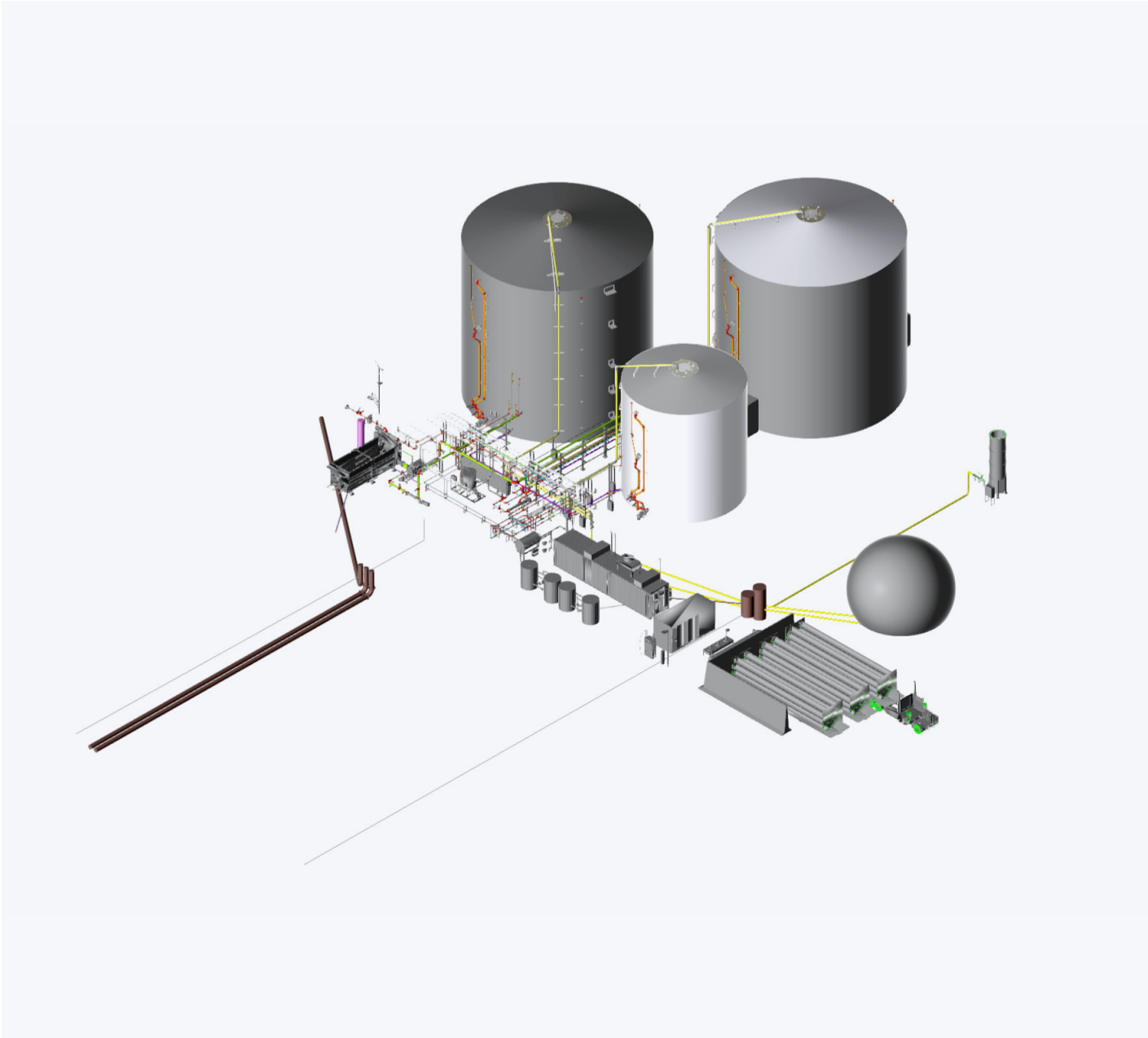
Example: Reading message

```
{
  "value":  2.90582,
  "uid": "C_MD2_TT_01_PV",
  "timestamp": "1710426838515"
}
```

The 3D Model

Your plant's digital »blueprint«

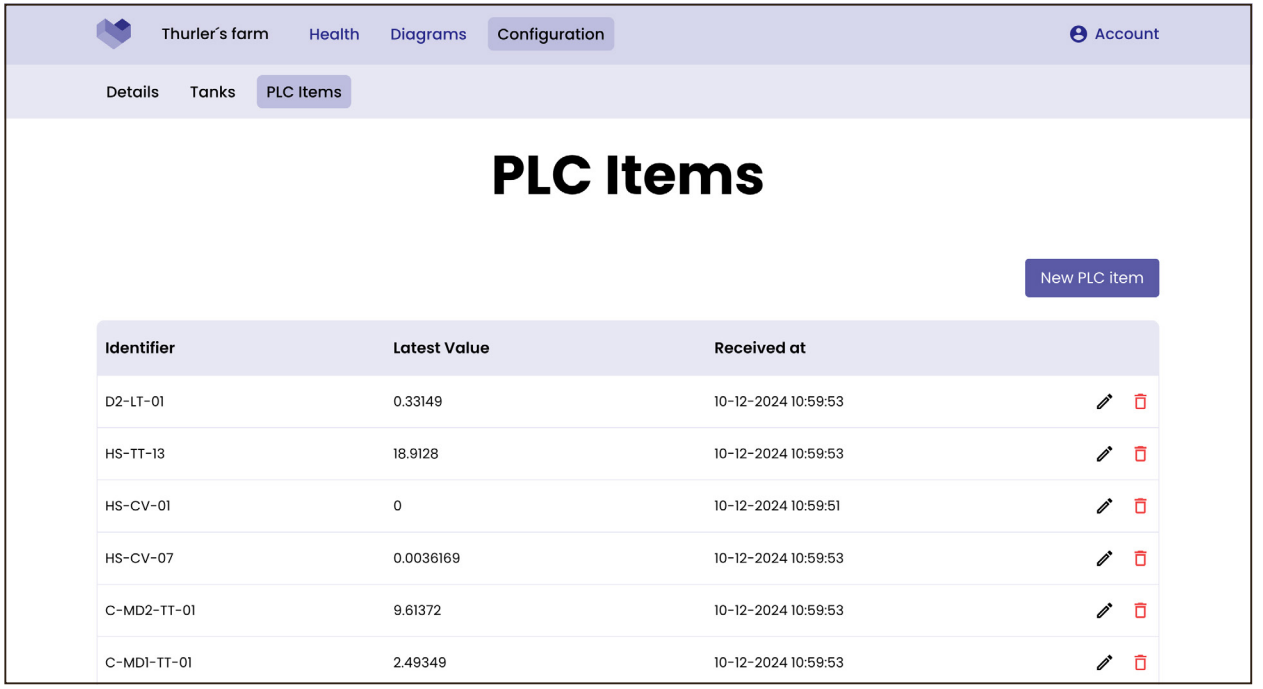
- Part of onboarding.
- 3D Building Information Model with component lists and specifications.
- Digital »Blueprint« for ongoing optimization and service of your plant.
- Workflow management and service personel training tool.



Reporting

The GHG reductions generated by a Biogas plant generates a major income stream. The value of carbon-credit/certificates, both in Europa and North America, have high price volatility, due to insufficient low-res reporting and verification.

With the Velink's logistics application and direct data collection on component level, Velink secures irrefutable high-res documentation. No green washing! Securing significantly higher selling price of carbon credits.

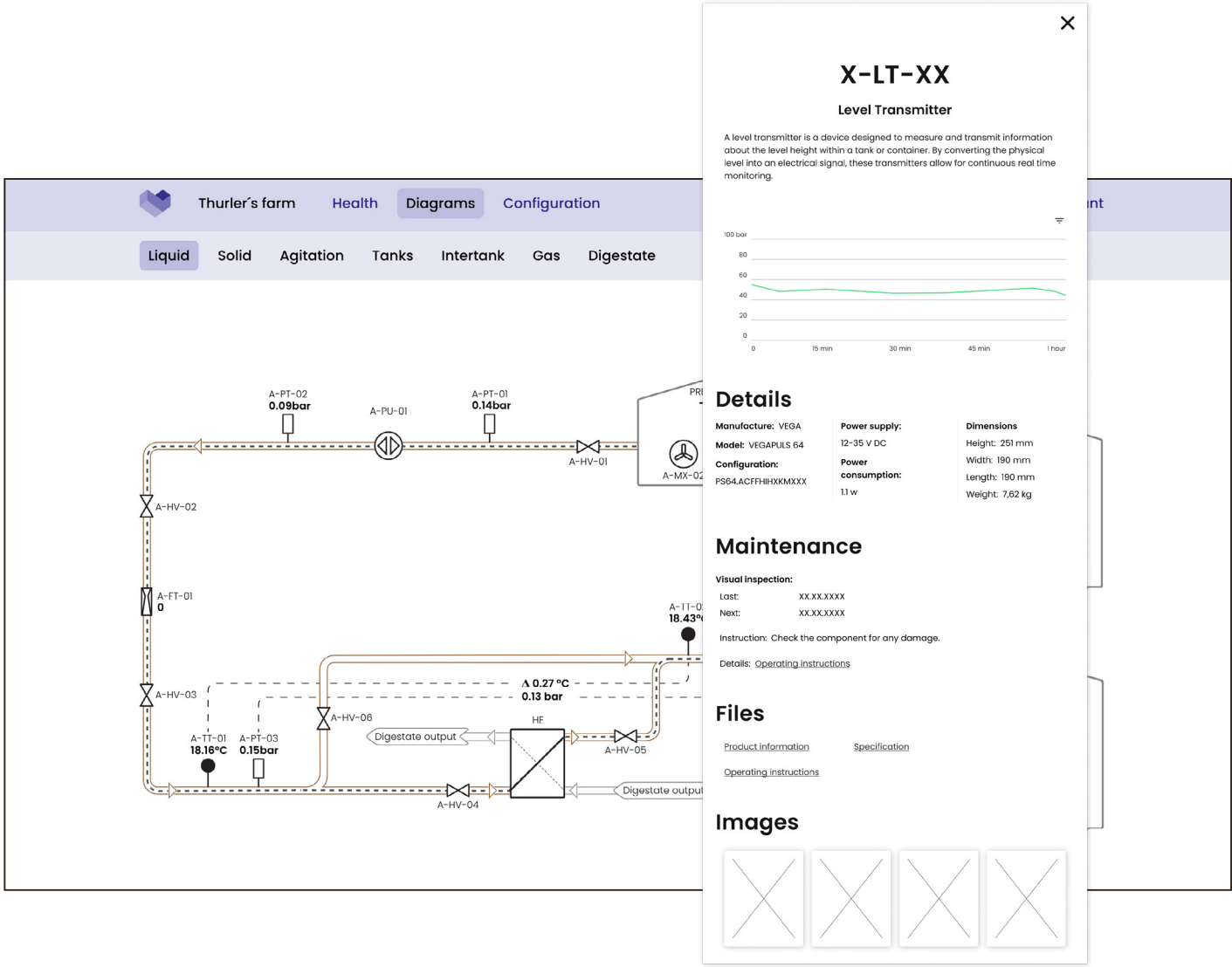


Monitoring

PLC/SCADA has been around for a long time, their useability is in a broad sense ready for disruption. The process of anaerobic digesting of organic waste is a sensitive biological process that can be compared with pharma. It is also a well-known mechanical process plant that compares with other process industries.

As a partner company with Vécycle EPC contractor, we have developed a user-friendly interface that is easy to understand – why make it difficult when it can be easy.

Vécycle generates a building information model (BIM), that integrates easily with Velink. Existing plants can easily get their digital twin with 3D modelling tools. **Vélink is ready to offer its solution to existing plants.**



Operations

Due to having all data in real time and the ability to process and co-relate data, we can generate precise instructions on abnormalities to service organizations. With the help of machine learning, 90% of alarms can be resolved without human intervention, based on real life experiences in Denmark.

Preventive maintenance and mitigation of operational challenges is made easy with the Vélink interphase for engineers, managers, service providers and community members.

The result is understanding, steady and very high uptime of plants on Vélink!

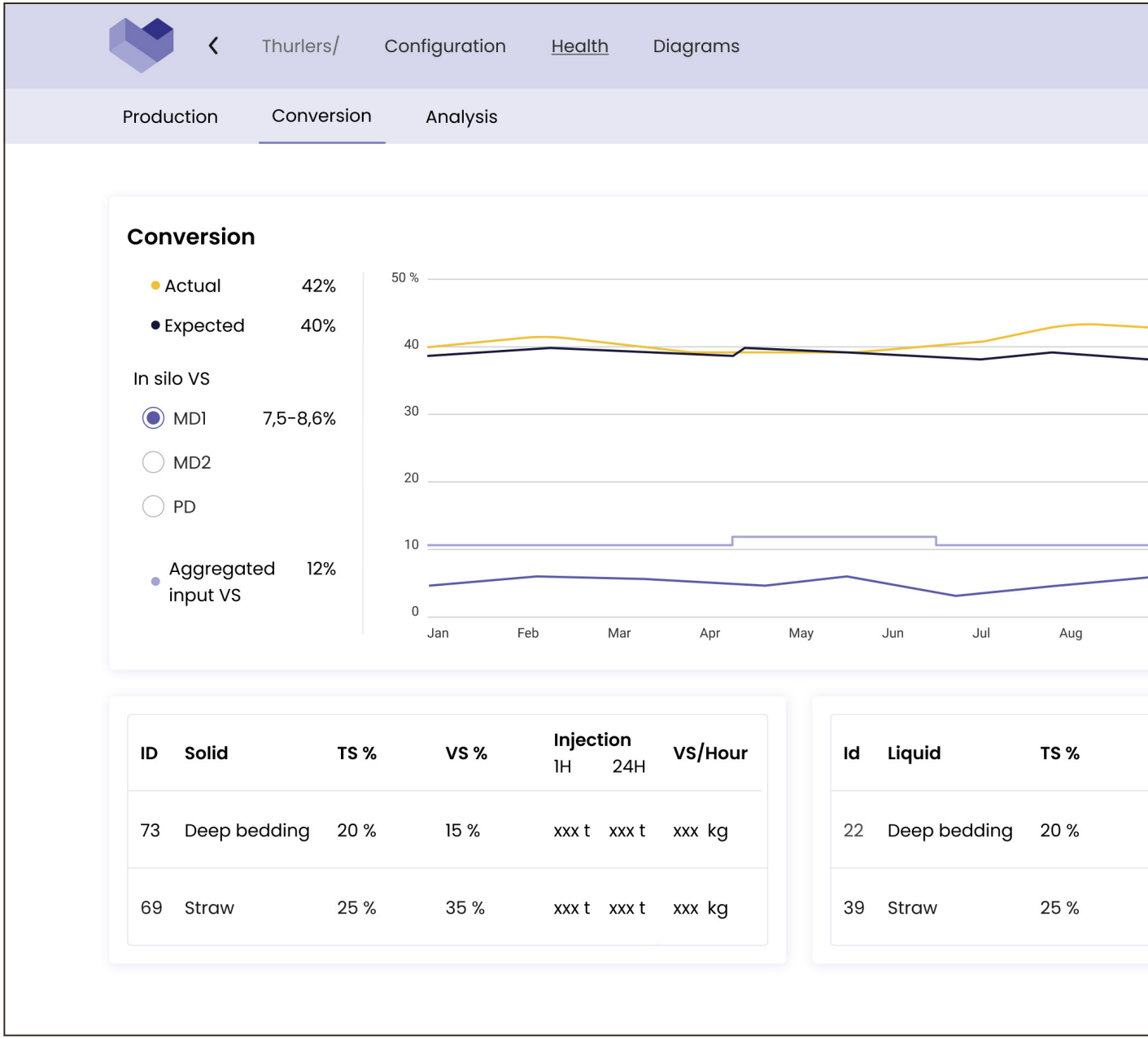
Optimization

In close collaboration with the best biogas experts Denmark has to offer (DTI/SEGES/Planenergi), spearheaded by our own chief scientist, Niels Østergård, Velink operationalizes the deep knowledge, that has been developed in Denmark in the past 35 year.

»The understanding of the complex biological processes in a biodigester cannot be put into a computer, I tried in the nineties.« – Niels Østergård.

But that was exactly what we promised Niels to do, when he started with us five years ago.

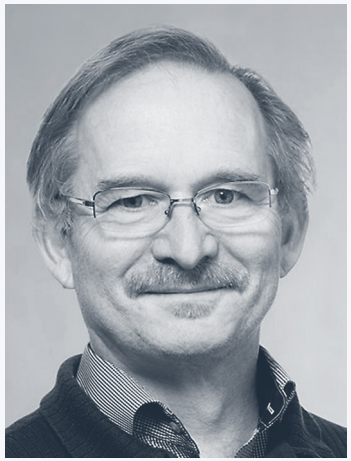
Initially we worked with Novo Nordisk Engineering to stack-in statistical software (JMP) to make corrections in setting upstream in real time.



Vécycle Center of Excellence

Véservice™ draws on the expertise of Vécycle's Center of Excellence, headed by Chief Scientist Niels Østergaard and drawing on 30+ years of Danish biogas experience from knowledge institutions such as PlanEnergi and SEGES Innovation.

Vécycle's Center of Excellence is the highest level of trouble-shooting analyzing and advicing on operational challenges faced by Véservice™.



Niels Østergaard, Chief Scientist

Niels has a lifelong background as one of the leading experts in the Danish biogas industry advising on design, commissioning and calibration of plants globally.

Vécycle™ Center of Excellence is supported by:

SEGES INNOVATION

PlanEnergi

DANISH TECHNOLOGICAL INSTITUTE

Green Island Group and The Vé

Green Island Group incubates green solutions for communities around the world.

'Ve' is the old Norse notion of the community forum where important decisions are taken in common.

In Green Island Group, we have adopted the Old Norse Vé notion as a token for creating self-governing sustainable communities of the future – because:

- We believe that many sustainable solutions must be community based, owned and managed to be successful.
- We are convinced that a significant part of green transition will happen from below, with communities engaged in creating a prosperous sustainable future for themselves and the community they live in
- We are based in Denmark, and as such rooted in a Nordic way of living and doing business with a high degree of equality and flat hierarchies.
- We stand on long cooperative business tradition and a collaborative work culture.
- We are part of the strong Danish green tech and Digi tech sectors and combine the best solutions from here, with the best from the rest of the World.
- We have head office in Copenhagen – in BLOXHUB co-working space for green urban development and have satellite offices in several countries.

Vésolutions

At Green Island Group we always work in tandem, green technology to communities in the real world and digital from project conception, over engineering, to operations.

The total fossil free community is possible, the CAPEX of green utilities is not higher, but the OPEX for the households and industries of hybridized green utilities is less than half of conventional fossil driven solutions.

It is a no-brainer – except the hybridization of a full community utility solution requires 34 real time prioritizations and billings decisions, requiring a digital operational platform.

vetown.org brings it all together on community scale.

Vétown™

Green tech

Vécycle™

Biogas plant for conversion and recirculation of bio resources.

Véclimate™

Climate conditioning units for supplying heating and cooling.

Véwater™

Water purification plant for delivering and recirculating water for specific purposes.

Vépower™

Facilities for generating, storing, and supplying power from renewable sources.

Software

Véhub™

Digital platform for community creation and development.

Vésprint™

Digital project management tool for implementation of decisions.

Vélink™

Digital infrastructure for smart interactive operation of a utility infrastructure.

Vécoin™

Digital monetary system and supplementary currency for internal value flows in communities.

Contact

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More information

www.vecycle.dk
www.greenisland.group