

**How we actively contribute to the  
development of the hydrogen society  
through tangible projects.**

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VÄTGASKONFERENSEN

**NILSSON  
ENERGY**



## Martina Wettin

Founding Partner Nilsson Energy

Board member Hydrogen Sweden and  
Hydrogen Council

Co-chair of the European Clean  
Hydrogen Alliance, Roundtable on  
Buildings

# About us

Nilsson Energy is an experienced knowledge partner and system integrator

- Founded in 2017 by Hans-Olof Nilsson, Pontus Lundgren and Martina Wettin
- Subsidiary of Qarlbo Energy since 2021 (Qarlbo & FAM) & sister company Hydri
- Headquarters in Gothenburg
- About 35 employees



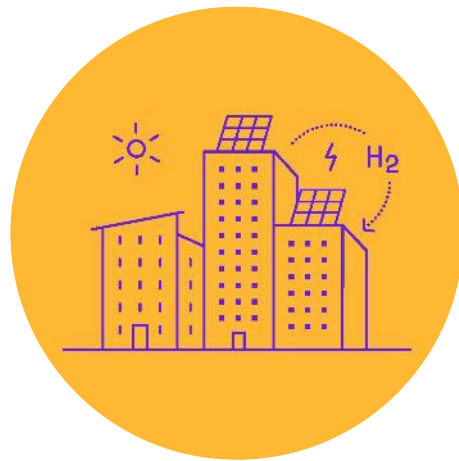
# Turnkey hydrogen solutions

Team Nilsson Energy are equipped with the knowledge, expertise and practical experience to deliver robust and safe decentralized hydrogen systems adapted to customer need.



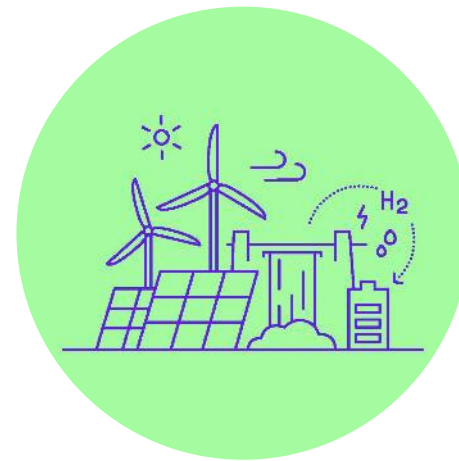
## Hydrogen production and storage

Solutions for diverse needs in industry, vehicle manufacturing, refueling infrastructure, safety and security compliance, and other businesses that necessitate hydrogen production and the storage of renewable energy.



## Electricity for buildings

Become self-sufficient in electricity with a complete hydrogen solution. All year round, for months, days or for flexibility services as ensuring a continuous power supply



## Electricity to go

Secure electricity with a portable fuel cell generator when and where you need it.



## Electromobility

Solutions to refuel H2 or to charge electric vehicles

# International outlook

- "Roundtable on clean hydrogen in buildings"
- Decentralized systems create a robust and democratic society.
- Strengthen independence and increase security.
- New collaborations and partnerships (countries, companies, organizations).
- All fossil-free and renewable energy sources will be needed.

European Clean  
Hydrogen Alliance



# Reference cases

# Mariestad - pre-school

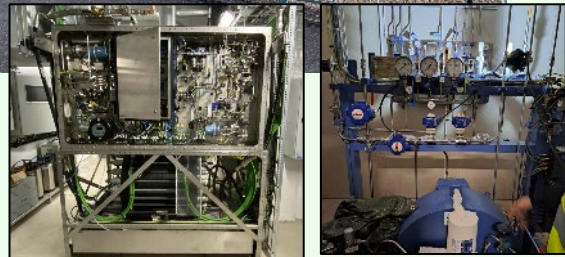


## Electricity in buildings

Pre-school, Mariestad Sweden

Self-sufficient hydrogen system

(H<sub>2</sub> production, H<sub>2</sub> storage, electricity)

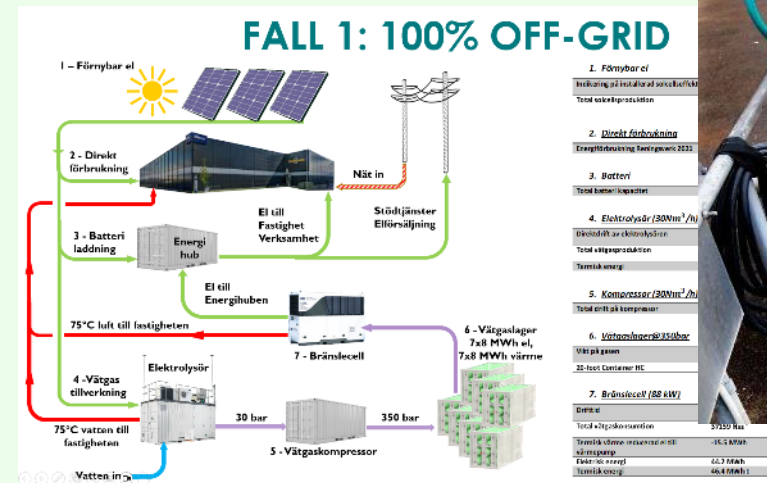


# Karlstad airport + treatment plant



Electricity to go – fuel cell generator

Backup power and EV charging at airport



Complete hydrogen system

Feasibility study for treatment plant in Molkom including decentralized H2 production, H2 storage and electricity





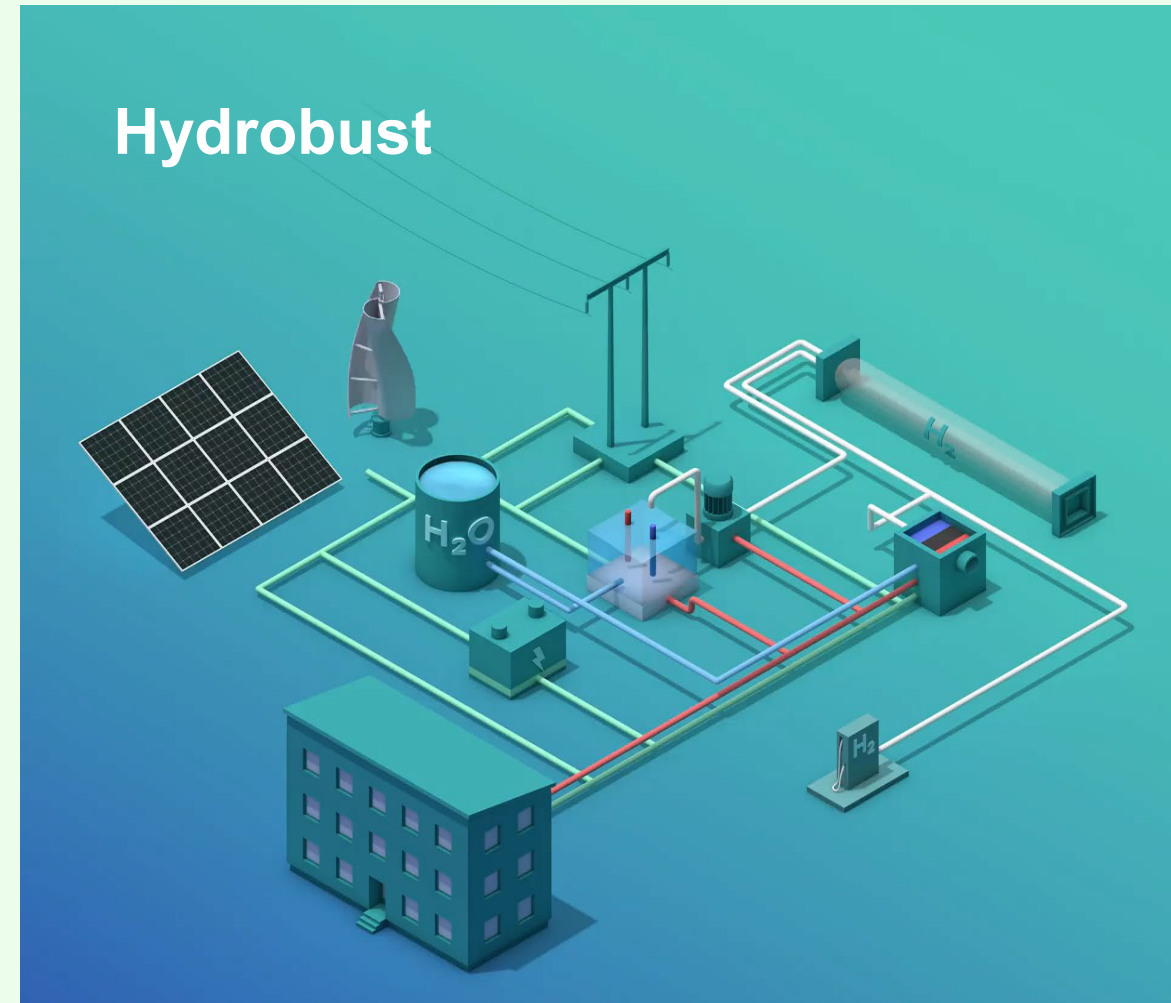
# Sjöbo



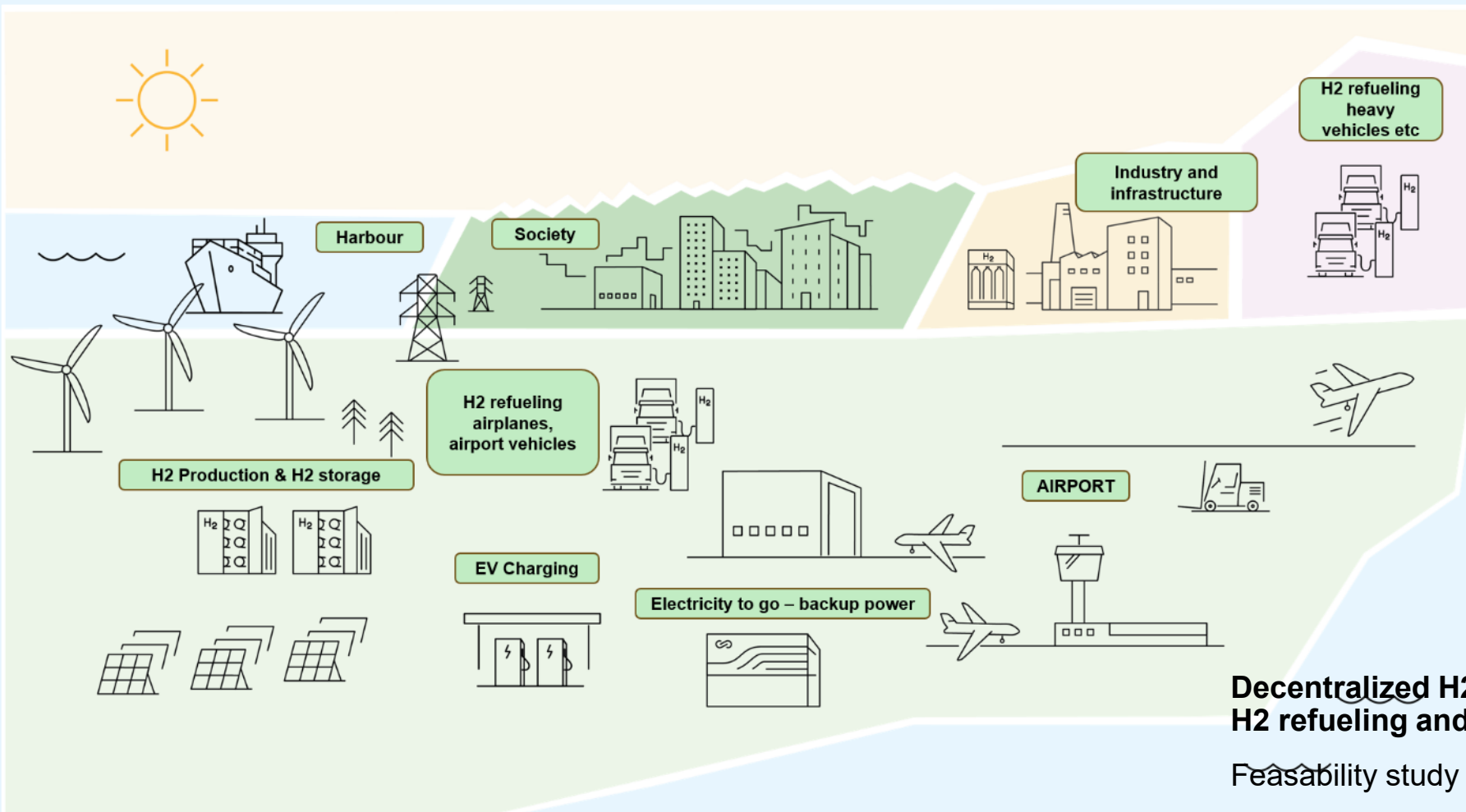
## Electricity in buildings + H<sub>2</sub> refueling

Sjöbohem, Sweden

Self-sufficient hydrogen system solutions for an office and H<sub>2</sub> dispenser for refueling.



# Green airport – 27 Swedish airports



**Decentralized H<sub>2</sub> production, H<sub>2</sub> storage, electricity and H<sub>2</sub> refueling and EV charging**

Feasibility study for 27 airports

NILSSON ENERGY & HYDRI

# Network of hydrogen filling stations

- Expansion of 26 hydrogen filling stations in Sweden.
- Commissioned during **2024 - 2025**
- Nilsson Energy - first public H2 filling station in Sweden 2018 - Mariestad



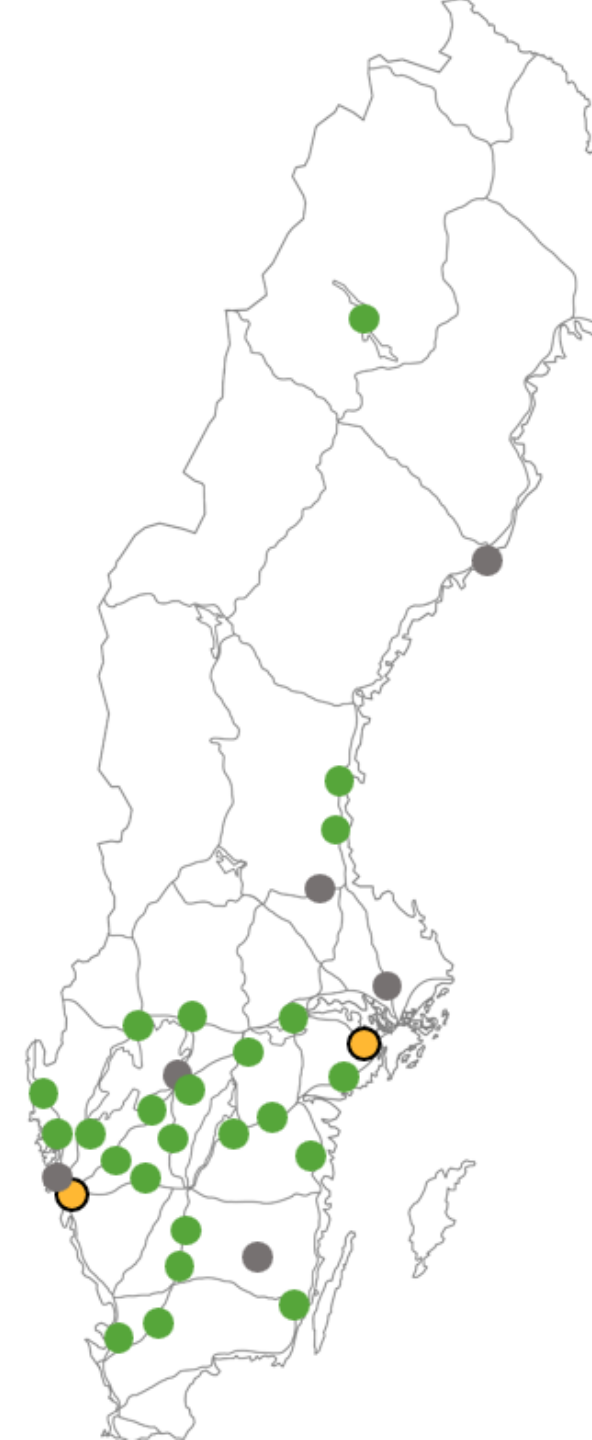
## Hydris stationer ●

Rasta Lilla Edet  
Rasta Håby (Munkedal)  
Rasta Mariestad  
Rasta Hallandsåsen  
Rasta Markaryd  
Rasta Värnamo  
Rasta Brändåsen (Kumla)  
Rasta Ödeshög  
Rasta Tanum  
Rasta Grums  
Rasta Värmland (Karlstad)  
Rasta Arboga  
Rasta Hagsta (Gävle)  
Rasta Tönnebro (Söderhamn)  
Rasta Nyköpingsbro  
Rasta Ringarum (Valdemarsvik)  
Rasta Mantorp (Mjölby)  
Rasta Götene  
Rasta Falköping  
Rasta Ulricehamn  
Rasta Vårgårda  
Rasta Kalmar  
Rasta Klevshult (Skillingaryd)  
Icemakers (Arjeplog)

## **Nilsson Energy new** ●

Göteborgs Hamn  
Nykvarn

## Existing ●



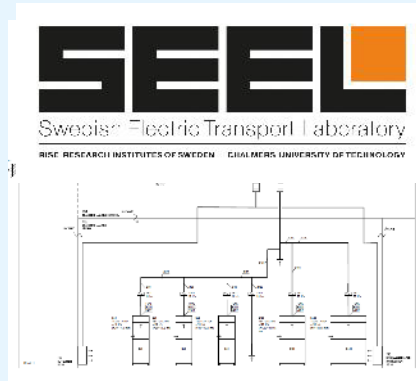
# Other reference cases



## Electricity to go and EV charging

Gasdagarna – an event with a complete portable electricity power system.

- Fuel cell power generator
- EV charger
- H2 storage pack



## Hydrogen production

SEEL – Swedish Electric Transport Laboratory –Säve Sweden

System that connect outdoor hydrogen storage to test bed in the building



## Hydrogen production

Mälardalens university, Sweden, DTU – Copenhagen, Denmark, Åland univeristy, Finland

Small scale H2 production for test lab.

Questions?

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# Thank you!

[www.nilssonenergy.com](http://www.nilssonenergy.com)

 Nilsson Energy AB

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