



NILSSON ENERGY

INTERNATIONAL COOPERATION
PROVEN EXPERIENCE
FINANCING DECENTRALISED GREEN H2 PROJECTS

INTRODUCTION

Martina Wettin (M.Sc.)

Co-Founder Nilsson Energy
Member of the European Clean
Hydrogen Alliance Roundtable on
Buildings

martina@nilssonenergy.com



Ravin Mirchandani

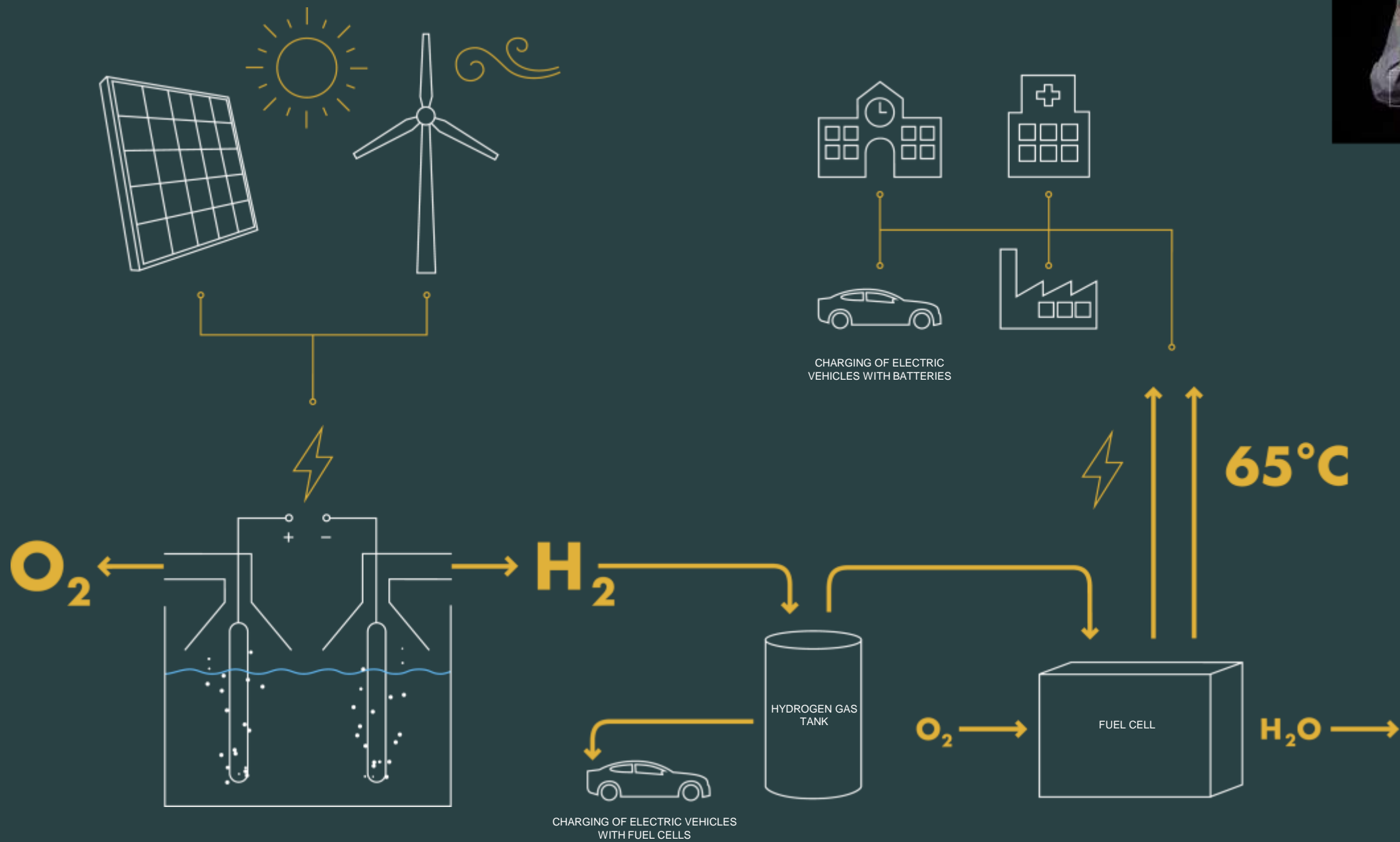
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Indo Australia Chamber of Commerce
Vice President:
Indo French Chamber of Commerce &
Industry

ravin.mirchandani@adorpowers.com

A SCANDINAVIAN DECENTRALISED PERSPECTIVE

PROVEN EXPERIENCE:
PROVISION OF EMISSION FREE ELECTRICITY, HEAT AND TRANSPORT.





[Watch film clip](#)

Hydrogen in buildings: current and planned projects

The map displays various hydrogen projects across Europe, color-coded according to their archetype:

- 100% H₂ distribution grid project** (Purple dots)
- Blends of hydrogen and (bio/synthetic) methane in the gas grid (i.e. up to 20% H₂)** (Brown dots)
- Centralised heat and power using H₂ for district heating and cooling networks** (Pink dots)
- Off-grid, decentralised heat and power using H₂** (Orange dots)

Specific projects labeled include: H100 Fife, Hy4Heat, HyDeploy 2, HyNet North West, HyDeploy 1, H21, GREEN OCTOPUS, Sustainable Ameland, mySMARTLife, Industrial Innovation Campus, Roadmap Gas 2050, Projekt KRUH2, ReHeat EU, DVGW H2-Quality, Thüga group, Erdgas Mittelsachsen, Tauron, Hephaestus, Hydrogen Silesia Power, SBB Energy, Wunsiedel Fichtelgebirge, Öhringer-H2-Insel, LAVO, Augsburg, H2 Loop, H2SmartGrid, River Wind, BLUE DANUBE, Wasserstoffhaus Irschenhausen, H2-Ready Gas Meters, H2GasQualityTracking, Thüga AG, ReHeat EU, Badanova, erdgas Schwaben, Sticky Stack, Chateaufneuf, ADH2x, Wasserstoffmodellregion Saar, Neue Weststadt - Esslingen, GRHyD, THyGA, 2G's CHP fleet retrofit, Stad aan 't Haringvliet, Rotterdam-Rozenburg, ThyGA, ReHeat EU, HAßfurt city, Sachsenenergie, "H2-20" AVACON, SmartQuart, Energiepark Mainz, Thüga group, Hypos, Haßfurt city, Thüga group, DVGW H2-Quality, ThyGA, ReHeat EU, get-H2 Nord, The Green Village, Grasshopper, Uithoorn, Wettringen, HEAVENN, HyNet (H2-IQ), Hamburg-Othmarschen project, Fish-farm, Airport, Electivillage, Research Centre, HYDROBUST, Off-grid Living Lab.

ADDING TO THE PROJECT PIPELINE



Off-grid (Microgrid)
Electricity, heat &
transport
Est. 2015
Sweden

DECENTRALISED GREEN HYDROGEN PROJECTS
ON- AND OFF-GRID

**NILSSON
ENERGY**

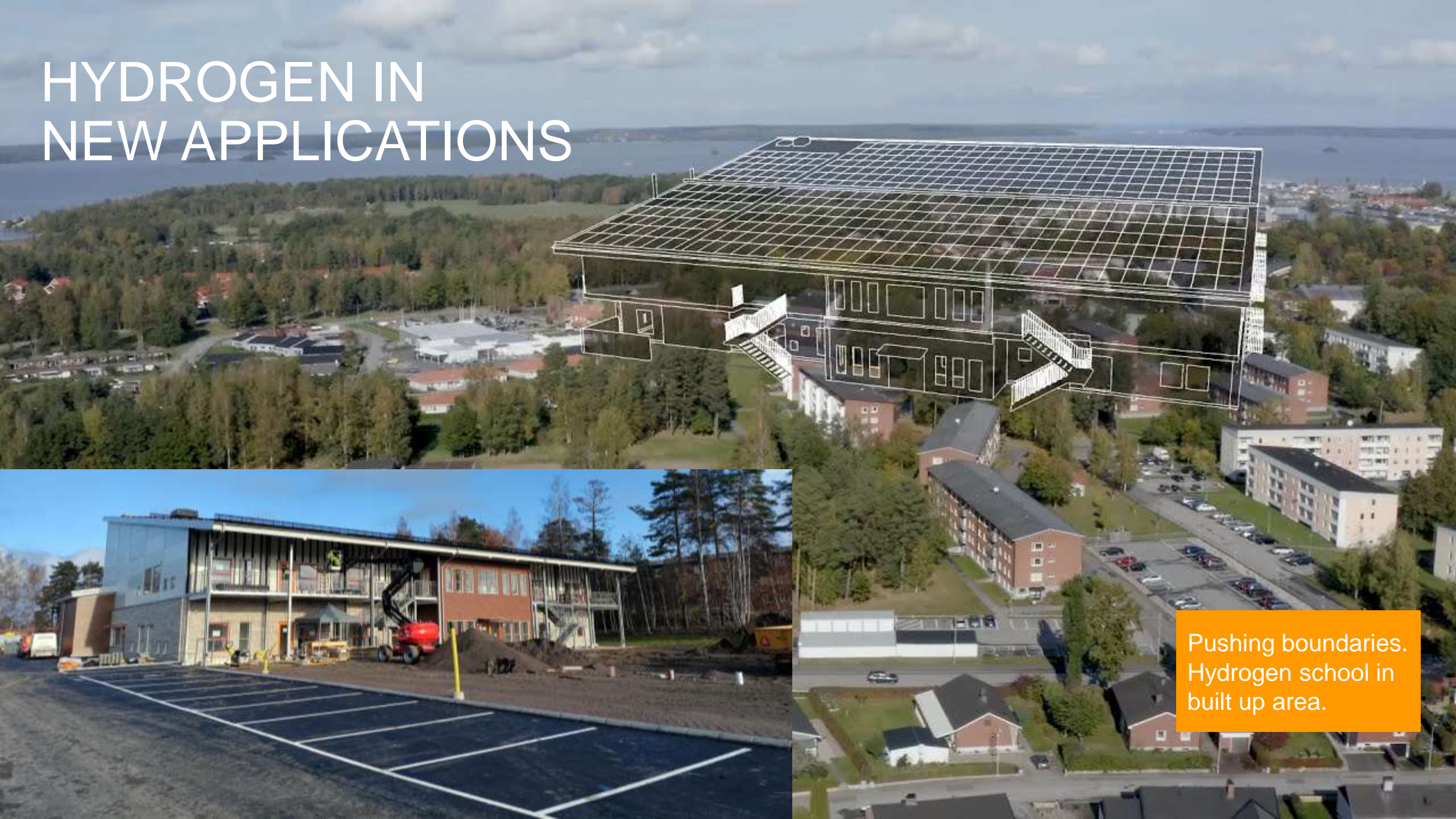


Press for further info

Decentralised
green H2 production to
boost local economy &
add to present
infrastructure



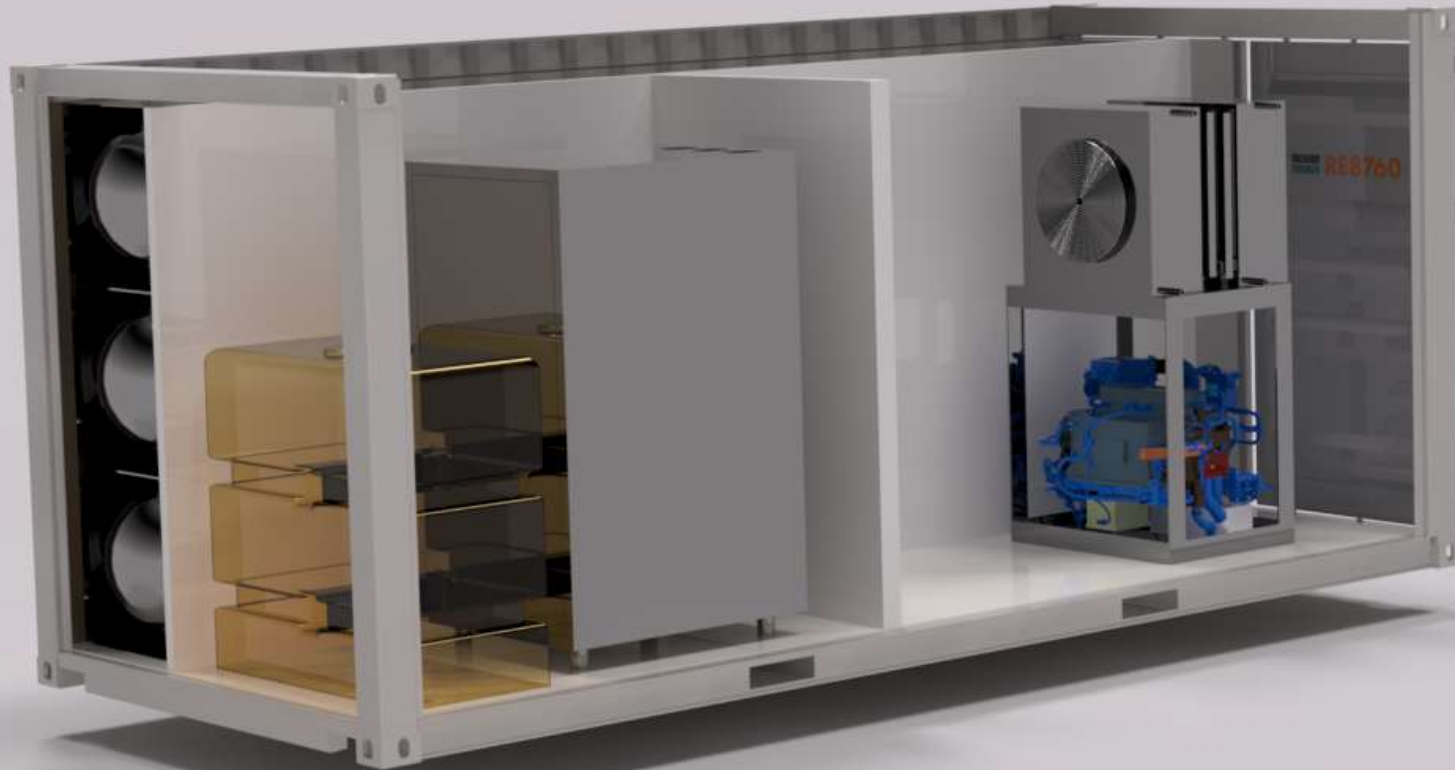
HYDROGEN IN NEW APPLICATIONS



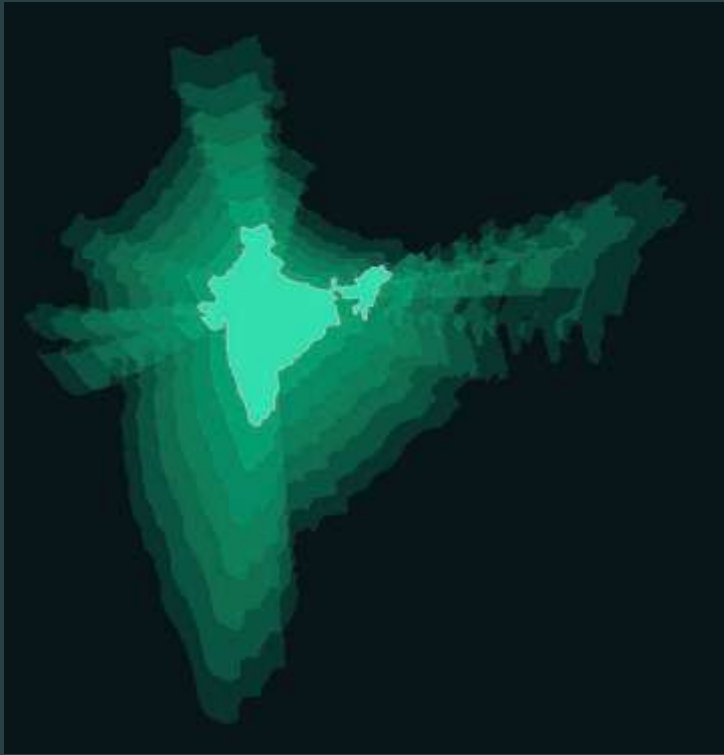
Pushing boundaries.
Hydrogen school in
built up area.

OPPORTUNITY!

CONTAINER BASED RE8760



OVER TO OUR HIGHLY VALUED PARTNER IN INDIA TO
ELABORATE ON OUR COOPERATION



Hydrogen as an enabler
for small scale off-grid
communities in India

HYDROGEN ALLOWS SMALL SCALE RENEWABLE ENERGY TO BE FIRMED

- Generation through wind & solar that is not linked to the grid
- Sustainable long term storage of renewable energy
- Green Energy 24/7/365 during adverse generation conditions to power homes & also for mobility
- Outcome:
 - Clean Environment
 - Energy Security
 - Lower TOTAL cost of power for remote communities



HYDROGEN DOES NOT ONLY HAVE TO BE ABOUT LARGE SCALE PRODUCTION OR INVESTMENTS

- H2 stand Alone (Small Scale) Power Generation can:
 1. Creates energy independence for remote communities in the North –East/ Central India + islands that survive on diesel or LPG haulage for energy.
 2. Cheaper than wheeling expensive grid power for small “Fringe-Of-Grid” power demand
 3. Has a lower LCOE than diesel + provides reliable local power generation
 4. Allows for long term storage of energy during high generation times for use over months /decades during low-gen periods
 5. Allows for localised HRS to generate H2 from solar for mobility.



**All with zero
harmful emissions.**

THE POWER OF BOLD PEOPLE & PARTNERSHIPS



Photo: Sören Håkanlind

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THANK YOU!

MARTINA@NILSSONENERGY.COM

RAVIN.MIRCHANDANI@ADORPOWER.COM

[HTTPS://NILSSONENERGY.COM/](https://nilssonenergy.com/)

[HTTPS://VIMEO.COM/USER92740057](https://vimeo.com/user92740057)

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