

# Swedish-German Cleantech Platform

A business accelerator powered by the Swedish Energy Agency



**Swedish-German  
Cleantech Platform**

A business accelerator from the Swedish Energy Agency



**Swedish  
Energy Agency**



**Tysk-Svenska Handelskammaren  
Deutsch-Schwedische Handelskammer**

# Participants 2024

## Sustainable Mobility

 CanaryBit



**CANDELA**

 **Processkontroll**  
GREEN TECHNOLOGY

**compular**



**STILRIDE**

## Sustainable Cities

**EMULAT** 

**FASAD  
GLAS**

**Grundels**  
CLIMATEGLASS

**LIQWAY**®



**MINE STORAGE**

 **SKYQRAFT**



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# CanaryBit



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Get in touch!



WITHOUT DATA, SUSTAINABILITY IS **NOT ACTIONABLE**

We enable **CYBER SECURE INFORMATION SHARING**

for better strategies & insights

while **PRESERVING CONTROL AND OWNERSHIP OF DATA.**



**STEFANO CUCCHIELLA**

CTO & Co-founder

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Our research is included in the Royal Swedish Academy of Engineering Sciences (IVA) **TOP-100** list in 2023 listing research projects focusing on **climate change, energy supply, welfare technology, cyber security, and crisis preparedness.**



# Candela



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# CANDELA

Founded: 2014  
Employees: 220+  
Offices: 3 continents

Unlocking the potential of water and speeding up the transition to fossil fuel free waterways

Drastic cost reduction for operators

A fleet scalable to your need

High-speed, no-emission passenger transport



00

Zero emission  
Zero air pollution  
Zero noise pollution  
Zero water pollution

90%

Up to 90%  
lower energy  
and service  
costs.

97.5%

Up to 97.5%  
CO2 reduction  
over the full  
life cycle.

95%

Up to 95%  
reduction  
in energy  
consumption.

# Luvly



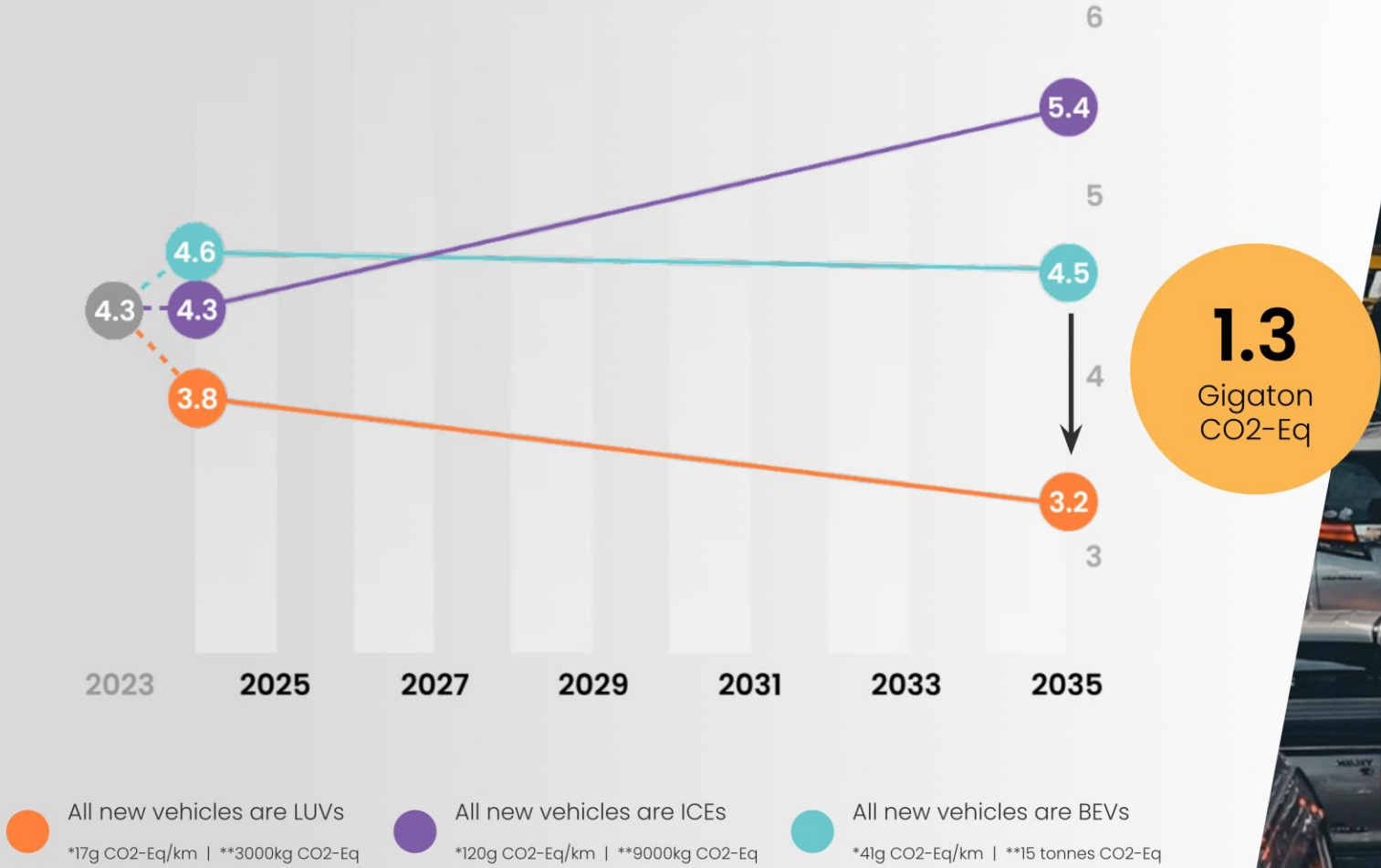
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# The Problem

Global CO2-Eq Emissions from Passenger Vehicles (in Gigaton)



Based on GreenNCAP data with EU Energy mix (282g/kWh) over 12 years \*Emissions from usage \*\*Emissions from production

# The Recipe for Minimobility



## Tesla Model 3

Weight	1760 kg
Battery	60 kWh
Production CO2-Eq	15.4 tonnes
Usage CO2-Eq	41 g/km

## Luvly O

Weight	400 kg
Battery	6 kWh
Production CO2-Eq	2.9 tonnes
Usage CO2-Eq	17 g/km



Based on GreenNCAP data with EU Energy mix (282g/kWh) over 150 000 km



Join us for a Luvly future!

[www.luvly.se](http://www.luvly.se)

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

Thank you!

LinkedIn



Björn Lindblom  
Co-founder & Chairman  
[bjorn@luvly.se](mailto:bjorn@luvly.se)



# Processkontroll Green Technology



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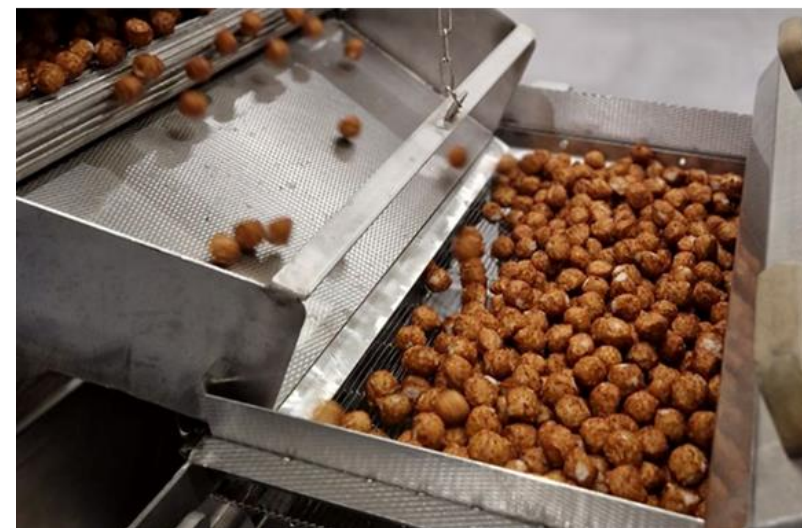




# Facilitating Biomethane & Hydrogen in Mobility and Industry Transition







# Biomethane production – but no immediate offtake?



[www.pkgt.se](http://www.pkgt.se)  
[harald.freytag@pkgt.se](mailto:harald.freytag@pkgt.se)



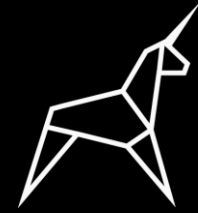
# Stilride



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# CREATIVE DESIGN AND SUSTAINABLE TECHNOLOGY



STILRIDE®

STILRIDE is a Swedish Technology company with the belief to reshape the future of industrial manufacturing.

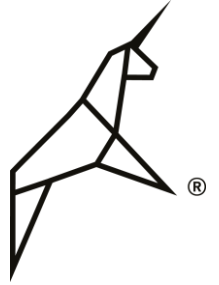
Our proprietary STILFOLD technology utilizes the principles of curve folding into “industrial origami”.

To demonstrate the potentials, we developed our flag ship product STILRIDE 1 – an ultimate light electric motorcycle for urban mobility.





PAIN POINTS AND TRIGGERS



# THE PROBLEMS WE SOLVE



A **large number of parts** increases the complexity, costs and risk ratio.



**Metal stamping** is a very energy-intensive process that also results in excessive waste.



Customised **casting, machining** and injection equipment is capital and time intensive.



**Industrial emissions** account for 23% CO2. Growing due to increasing product complexity.

# Emulate Energy



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# THE ELECTRICITY MARKET – THE PERFECT STORM

**RISING CONSUMER  
EXPECTATIONS AND  
EMERGING  
COMPETITORS**



# EMULATE

We help electricity retailers navigating through the storm –

offering solutions for a changing energy landscape.

Book a demo and learn more:



URL: [emulate.energy](https://emulate.energy)

E: [Cathrin@emulate.energy](mailto:Cathrin@emulate.energy)





# Fasadglas



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TIMBER FACADE SYSTEM

# CO<sub>2</sub>: Wood vs Alu



1 ton of bARK gluelam wood  
= 108 kg CO<sub>2</sub>eq



1 ton of extruded aluminum =  
6 tons CO<sub>2</sub>eq





## TIMBER FACADE SYSTEM

- Wood-based systems for Prefab & Stick Built ✓
- Lowest CO<sub>2</sub>eq footprint on the market for curtain wall systems ✓
- Ucw below 0.40 ✓
- Tall buildings (+20 floors) ✓
- Fire rated for EI45 ✓

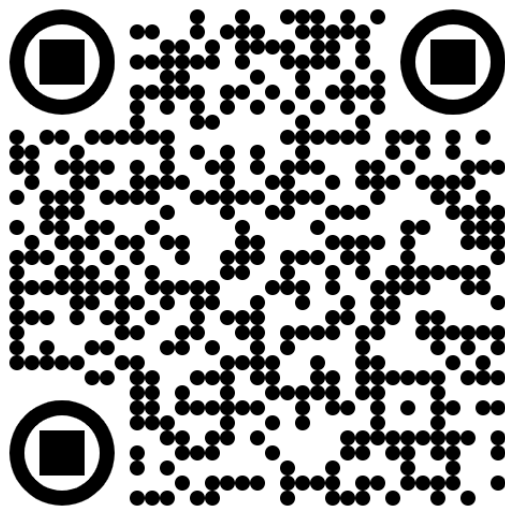






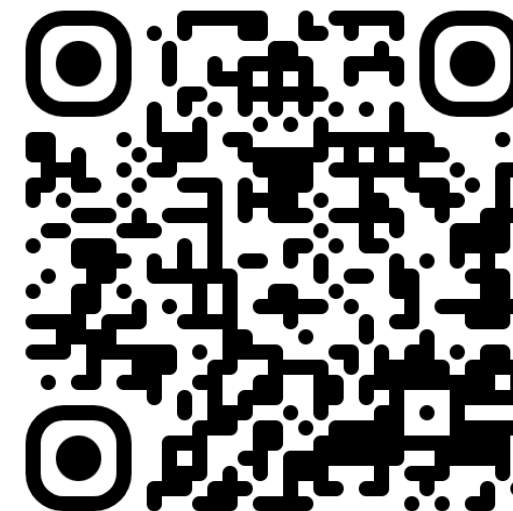
Johan Kling

System Development Manager



Erik Stening

Sales and Marketing Manager



# Grundels



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The smart option to  
reduce energy-cost  
and waste

**Grundels®**

CLIMATEGLASS





# What?

Grundels Window System focuses on existing buildings.

Our mission is to saving energy and improve living conditions.

All this with a minimum of waste!

600.000 windows made so far.

# How?

Grundels Window System adds an extra glass pane to the existing window, making it a triple glass window.

Glass on glass-no leakage!

Every step is based on a LEAN flow with all parts pre-fabricated in our factory.



**20%**

reduction in energy  
consumption

**50%** reduced noise levels

**70%**

lower cost than  
window replacement

**30 min**

installation time

**10 year**

warranty

**100%**

reduced cold draft

**0%**

no positions needed

**Grundels**  
CLIMATEGLASS

Thank you!

[lars.atterfors@grundels.se](mailto:lars.atterfors@grundels.se)





# Liqway



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**Martin Werme, 30**  
Co-founder  
Third generation pipe contractor

## The Liqway Method

### Expansion of district heating

An important part of the green energy system.

### Connection & maintenance work

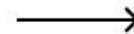
Takes several hours to get rid of the water inside the pipe, creating unnecessary downtime.

### The Liqway Method

Reduce downtime and maintenance costs while getting better quality.



Commonly occurring water flow that impedes work.



The Liqway Method - Draining away the flow



Tack!

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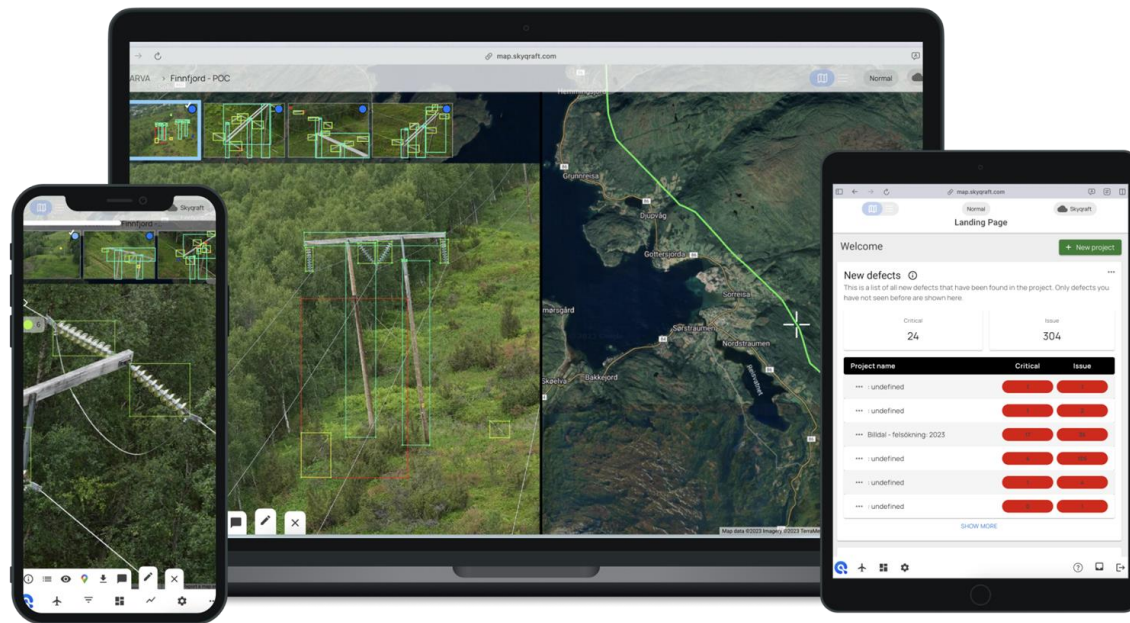
# Skyqraft



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# AI-powered Asset Analytics for power grids



## Visualization

Visual data made available across the organization, displaying asset location and condition.

## Insights

Actionable insights for improved decision making via automated defect detection and asset categorization

## Reporting

Reporting and customizable dashboard for a range of use cases, regulatory and operational.





# The Impact of Skyqraft AI-powered insights

Preventable outages  
reduction

90%

SAIDI (grid availability) score  
improvement

200-400%

Critical defects  
discovered

10x

Field teams  
efficiency increase

50-70%

Cost per Defect found  
reduction

85%

Improved asset & inventory  
intelligence

30-50%





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