

Agenda

- Company presentation
- Hydrogen at HydraSpecma

HydraSpecma

Agro Västmanland. 250612

Hydra
Specma

HydraSpecma

The ownership reaches back in decades and begins in 1988 where *Hydra-Grene* joined *Schouw & Co.* *Schouw & Co.* makes an effort to create value through active and developing long term ownership, in close cooperation with HydraSpecma's management.



1,500

Skilled employees



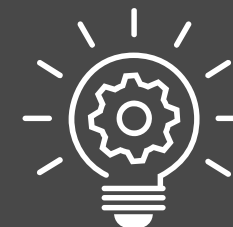
11

Countries worldwide



413m EUR

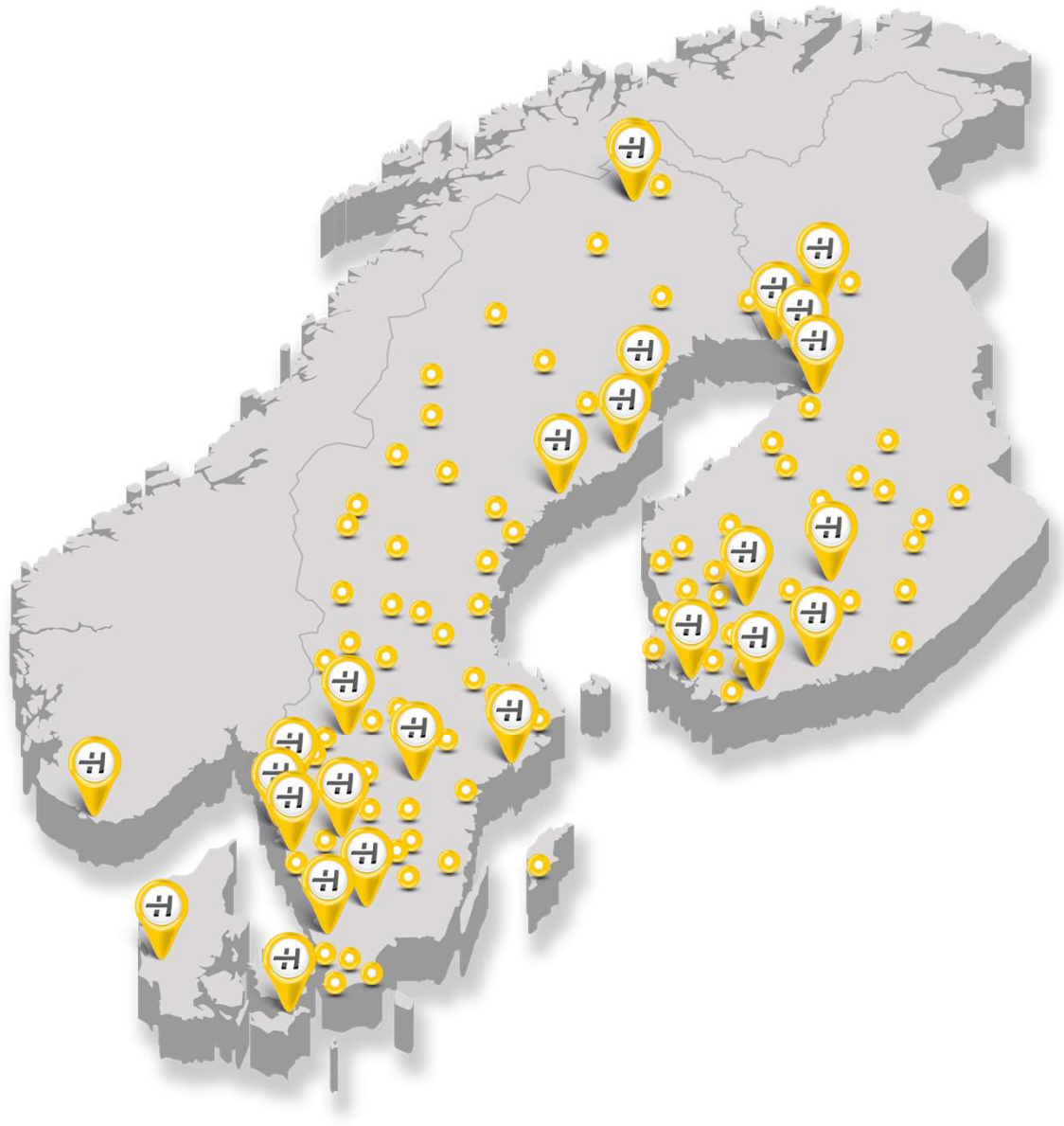
Revenue in 2023



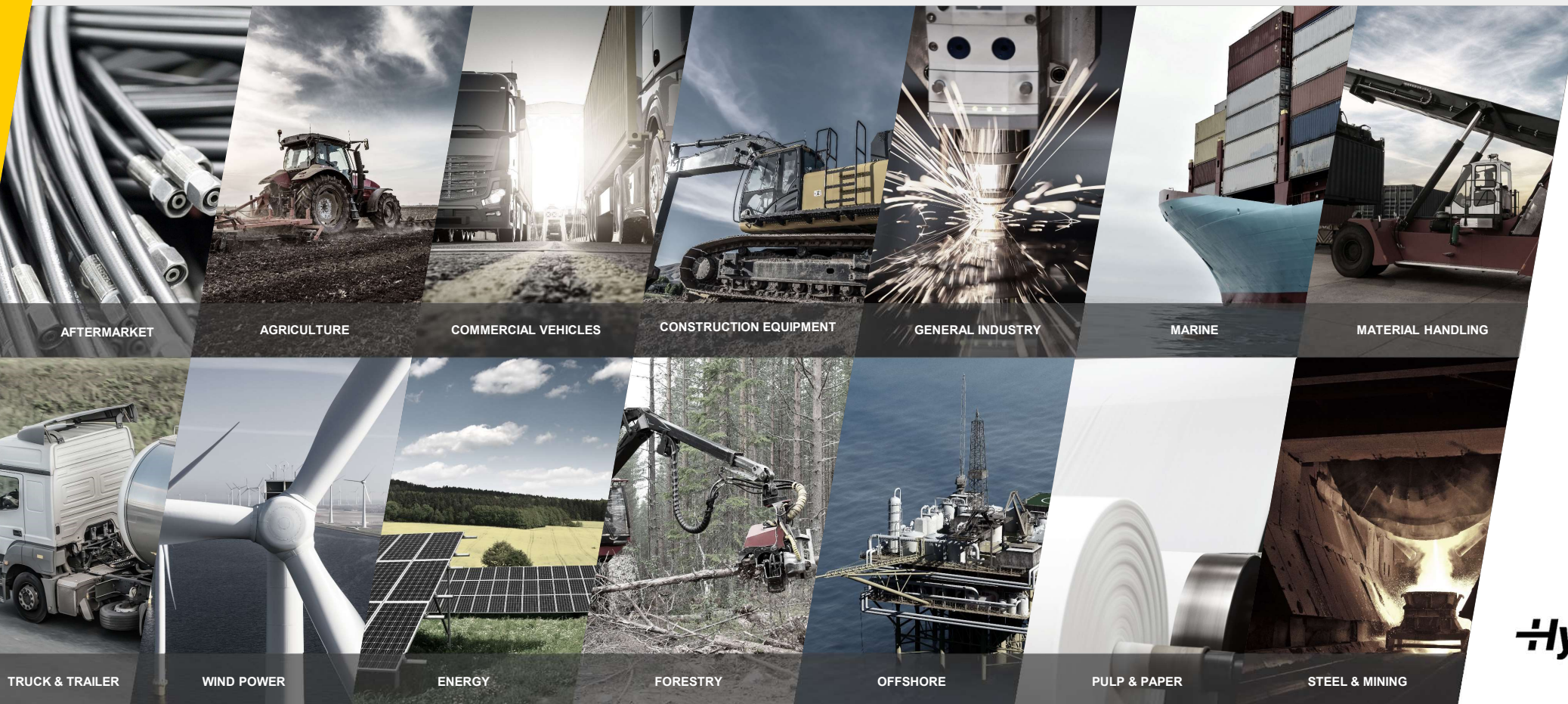
+100 years

Experience

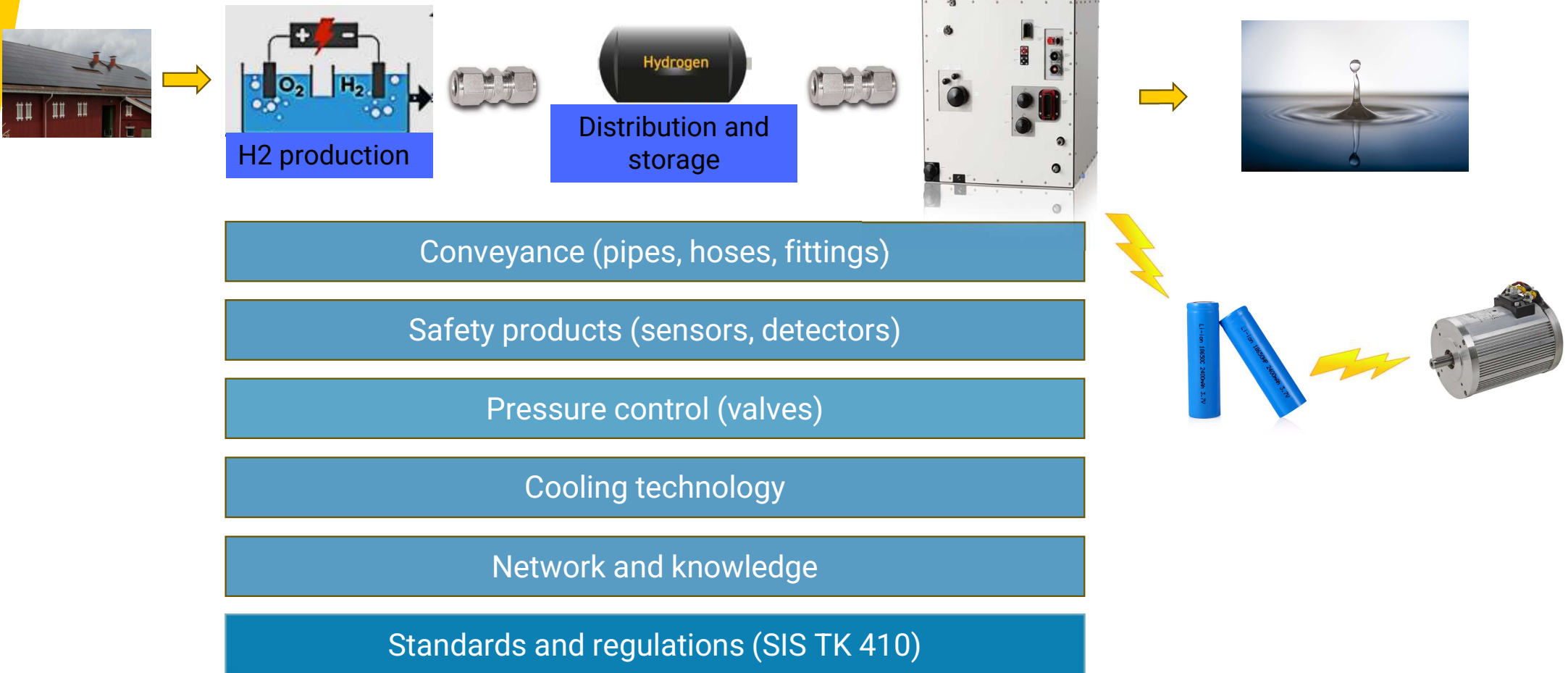
Our strong Nordic presence makes us an ideal partner for Nordic manufacturers and the aftermarket



Market Segments



Green hydrogen value chain



Comparison of energy content in different energy carriers



If we have a jeep dunk contains 20-liter diesel, this is approximately 200 kwh energy.



A battery with 200 kwh, need a volume approximately 280 litre and have a weight of 780 kg



With compressed hydrogen gas at 350 bar with 200 kwh, need a volume 250 litre, at a pressure of 700 bar, need a volume of 140 litre. The weight is approximately 6 kg.

Comparison of energy content in different energy carriers



Property	Comment	Comment	Comment
Initial investing	Low, Is available	Some cases big	Big
Environmental friendliness	Not at all, better with E-fuel	Good, If renewable electricity is used	Good, if Green Hydrogen is used
Manageability / Logistics	There is a risk of spillage	Good, same cases poor	Good when everything is in place
Safety	Well proven	Good	There are risks

Components from Hydrogen

For now,

- Double ferrule ring
 - Available at to different material, >10 %nickel for standard
 - >12% nickel. for premium
- Coupling cutting rings
 - Invention with cutting ring. Approved by TÜV up to 700 bar.
- Special fittings, HydraSpecma
- Pipes
- Metal hoses (Wiro)
- Pressure Sensors
- Different valves, filter
- Leak Detectors (Insplorion)

