

# **Helen's demonstration in Baltic Sea H2 Valley project**



# Helen in brief

Employees in  
Helen Group

**1015**

Net sales of Helen  
Group in 2021

**1,318** EUR  
mill.

**1409** km  
of district heating network

**6,200** km  
of electricity network

Our security of electricity supply is  
among the best in the world:

**99.999 %**

**We produce district heat, district cooling,  
electricity and services for microgeneration  
of energy, electric traffic and more efficient  
energy use.**

Helen is carbon  
neutral by  
**2030**

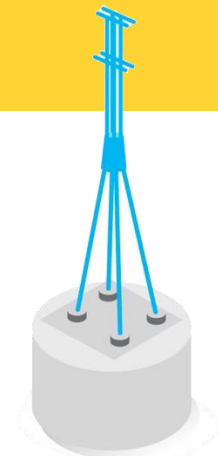


**Over a hundred years of urban energy**

The electricity company of the City of Helsinki was established in 1909 to create a safer and more environmentally friendly way to produce energy in a smoky city.

# Heating, cooling and electricity form the basis of our operations

We are building new solutions upon this expertise.



Electricity network



Electricity



Heating



Cooling



Local energy production



Smart buildings

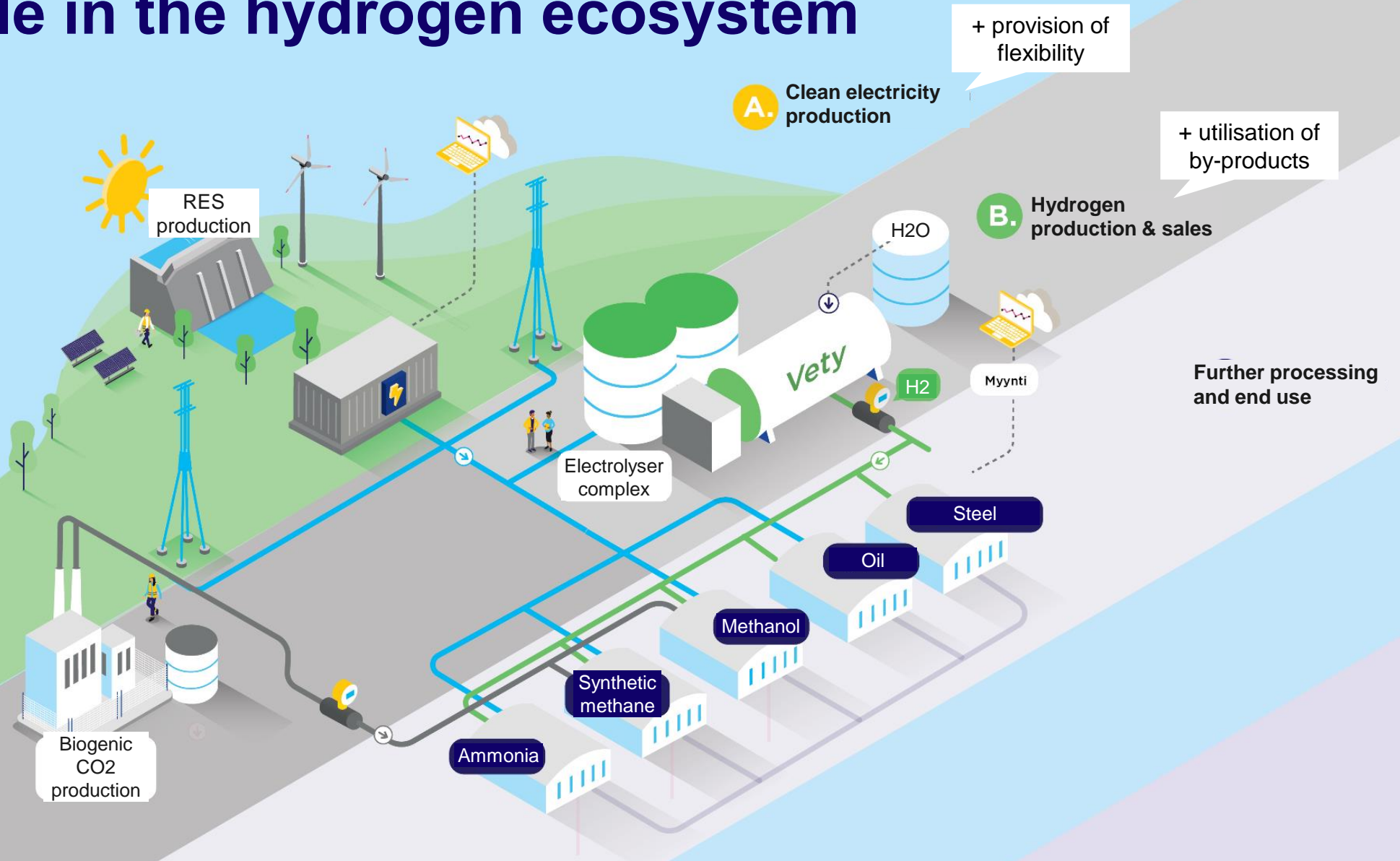


Electric transport



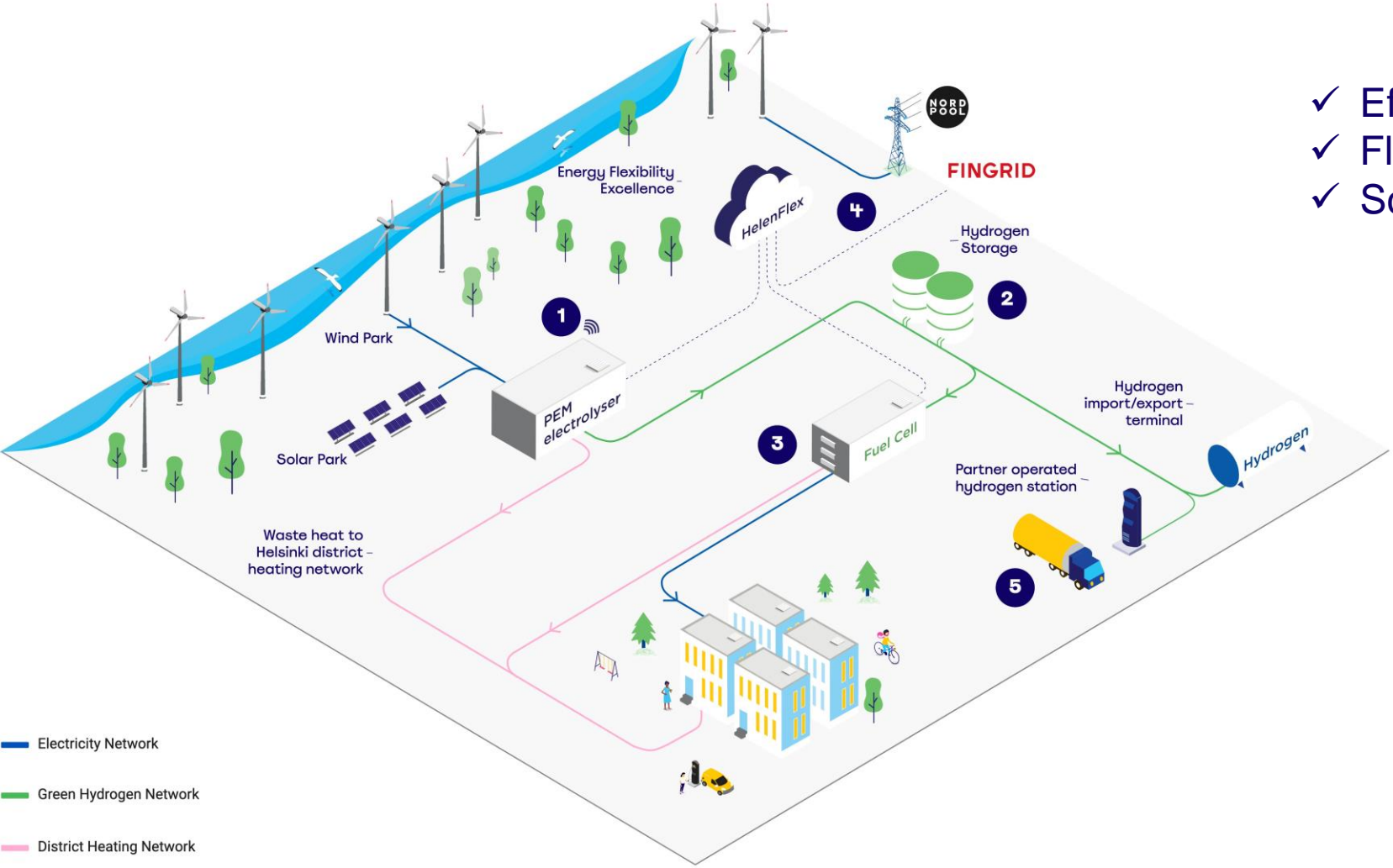
New solutions

# Helen's role in the hydrogen ecosystem



# 3H2 – Helsinki Hydrogen Hub

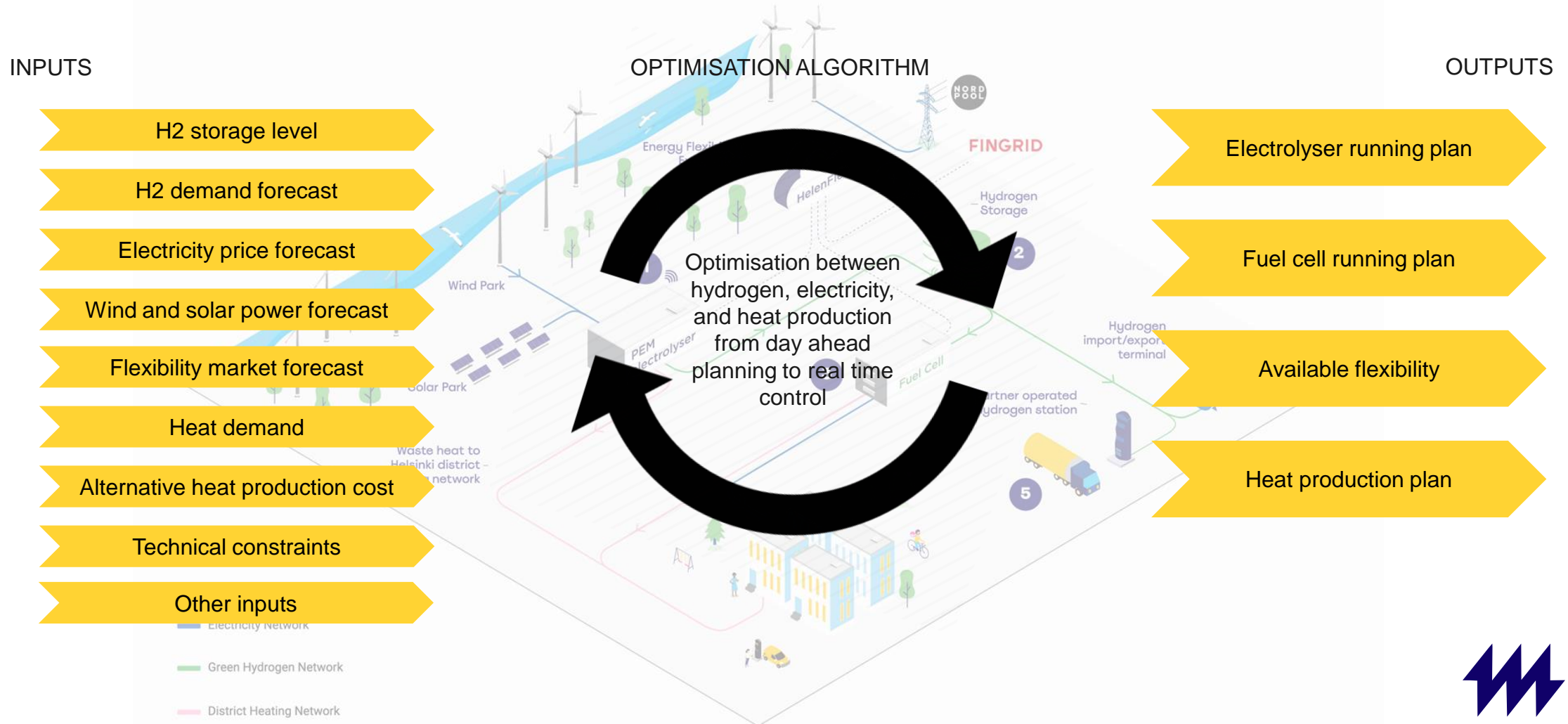
Helen's first step towards the vision of an Urban Clean-Tech Hub



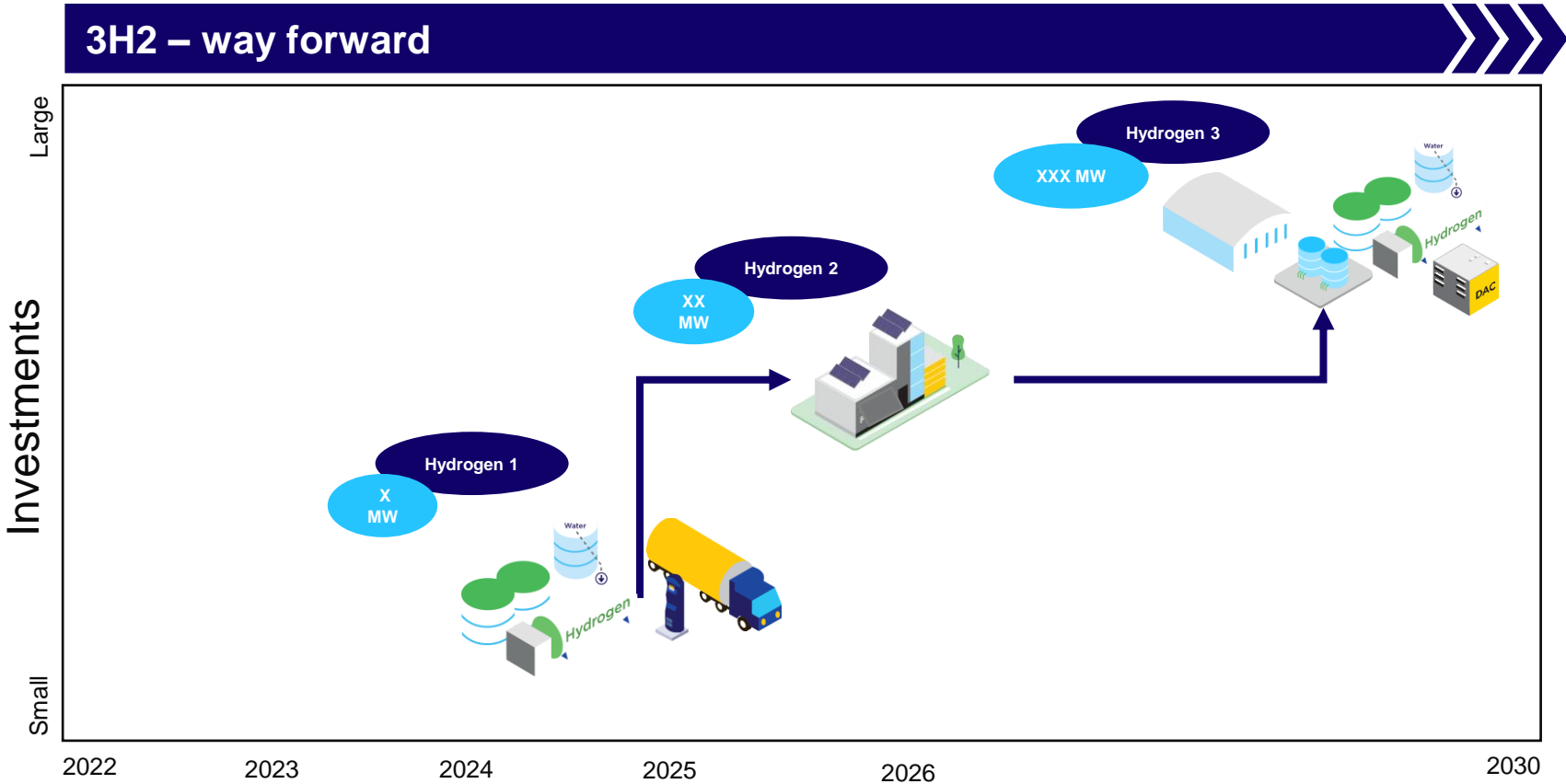
- ✓ Efficiency
- ✓ Flexibility
- ✓ Scalability



# Demonstration of highly optimised sector integration between hydrogen, electricity, heat, and transport



# Capabilities built in the demonstration enable scale-up of Helen's hydrogen business





**HELEN**