

# HyUSE

Use of hydrogen in combustion technology  
for industry and mobility

Start	October 2024
Subsidy	€ 14.246.250
Private contribution	€ 2.344.685
Leadership	Frank Willems (TNO), Hamed Aslannejad (Utrecht University)

7 universities

2 research institutes

12 industrial partners

5 universities applied science



## Research Tasks

- 1

**HYDROGEN AS A FUEL**  
in the energy intensive  
industry and for power  
generation
- 2

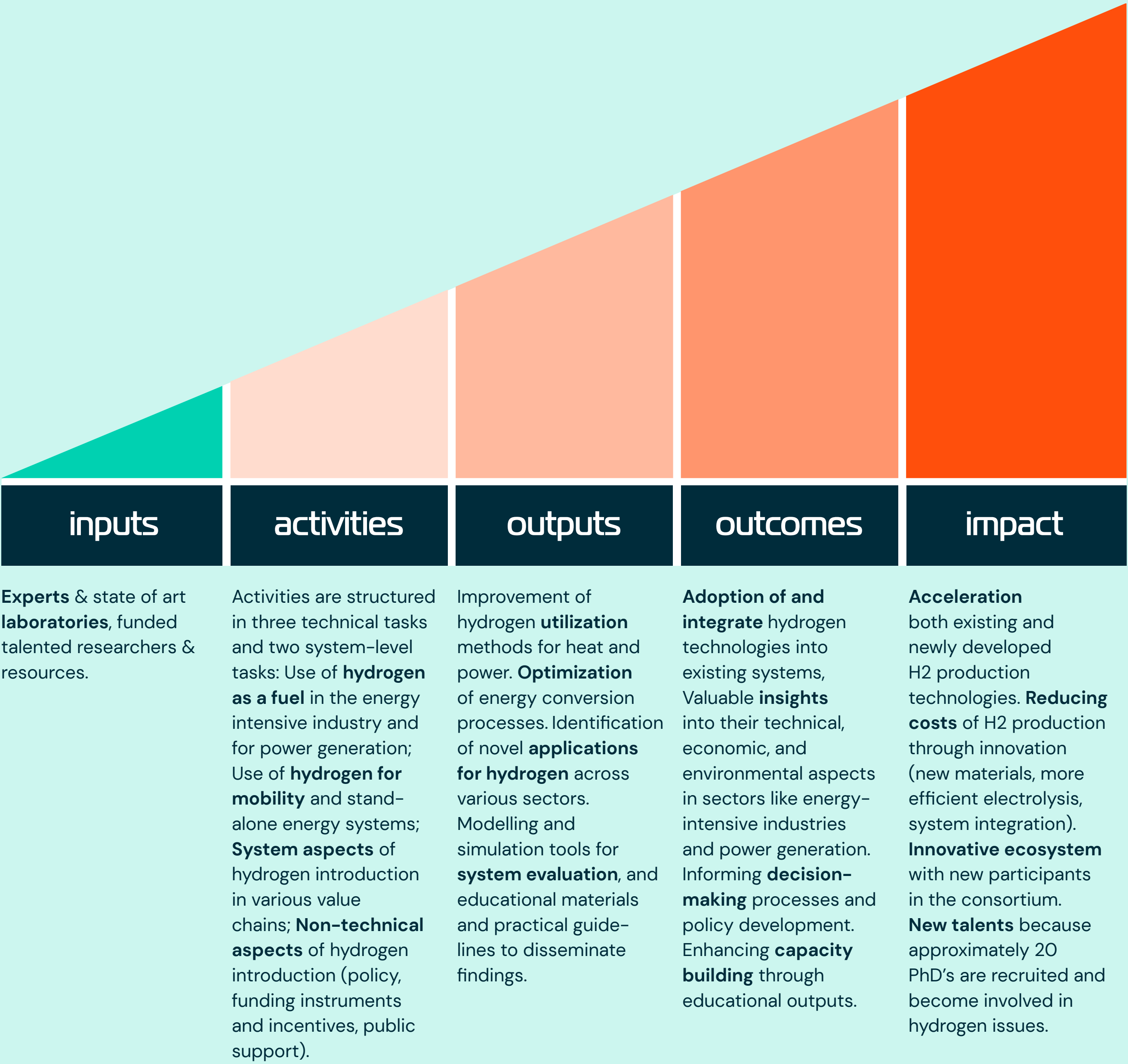
**HYDROGEN FOR  
MOBILITY**  
and stand-alone  
energy systems
- 3

**SYSTEM ASPECTS**  
of hydrogen introduction  
in various value chains
- 4

**NON-TECHNICAL  
ASPECTS**  
of hydrogen introduction  
(policy, funding instru-  
ments and incentives,  
public support)

# GroenvermogenNL ambitions

Acceleration	☑
Scaling up	☑
Reducing costs	☑
Innovative ecosystem	☑
New talents	☑



2024	2025	2026	2027	2028	2029	2030	Beyond
<ul style="list-style-type: none"><li>Methodology and overview ecosystem</li></ul>	<ul style="list-style-type: none"><li>Combustion systems, fuel cell, and techno-economic research</li></ul>	<ul style="list-style-type: none"><li>Assessment of applications</li></ul>	<ul style="list-style-type: none"><li>Design and prototyping</li></ul>	<ul style="list-style-type: none"><li>Scale up and testing,</li><li>Recommendations, policy mix, identification of hydrogen valleys.</li></ul>			<ul style="list-style-type: none"><li>Continue phase 2</li></ul>