
Gelderland, Silicon Valley of hydrogen technologies

The Dutch province of Gelderland is a pioneer in the development of hydrogen technologies – technology that's being applied worldwide to make more and better use of renewable energy.



Contact

kiemt

Jochem Garthoff
+31 (0)6 57 93 41 19
Garthoff@kiemt.nl

www.kiemt.nl
+31 (0)26 446 14 69

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Hydrogen technologies are increasingly being applied to make better use of renewable energy. Gelderland is a world leader in this transition. The underlying technology for hydrogen energy is developed in Gelderland and used all over the world. Here in Gelderland, the sharpest minds from the fields of business, education and government are designing this promising technology for the future.

Parties

Companies and organisations in Gelderland developing hydrogen technologies:



Number of FTE in hydrogen technologies: **277** Potential number of FTE in hydrogen technologies by 2025: **650**

Example projects in Gelderland



(Mobile) hydrogen fuel stations



Power2Power-system, green hydrogen chain



Hydrogen buses and garbage trucks



Hydrogen Eusebius-church



Tender 80 hydrogen cars



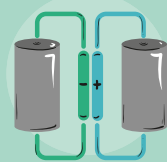
Research blending hydrogen into natural gas network



Development HM10, hydrogen car



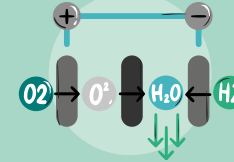
Hydrogen lab HAN



Research and development hydrogen bromine flow battery



Purification of polluted hydrogen sources



Research and development fuel cell

Students

Average number of students to graduate in hydrogen technologies per year (HAN)

55

Average annual revenue

€ 28.000.000,00

Market

International currently **37%**

National currently **63%**

International expected **57%**

National expected **43%**

Social impact

Better use of current infrastructure

Prevent high social cost

Faster implementation renewable energy in network