

# YOUR PARTNER IN HYDROGEN

## WHO WE ARE

Hulteberg is a catalyst research, development, upscaling and production powerhouse. With almost 20 years of experience, we can move your catalyst project from idea to implementation faster than anyone else.

The company was founded in 2006 by Professor Christian Hulteberg, holding a Ph.D. in Chemical Engineering and Catalysis. His fields of expertise include hydrogen energy, biomass gasification as well as environmental and chemical engineering, and he has assembled a stellar team of accomplished individuals for swift and efficient execution of catalyst development projects, upscaling and production.

## CONTACT US

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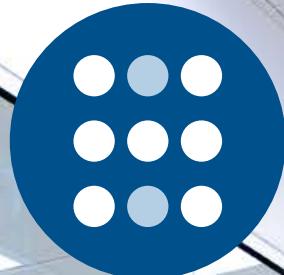
[HULTEBERG.COM](http://HULTEBERG.COM)



FROM IDEA TO  
IMPLEMENTATION

 Hulteberg

# HYDROGEN



## HYDROGEN CATALYSIS



We can transform almost any hydrocarbon into fuel-cell quality hydrogen. That is at least our ambition. Over the last two decades, we have developed one of the most complete catalyst and adsorbent portfolios for producing hydrogen in small scale. Our catalysts are innovative and well proven with customers using them all over the globe.

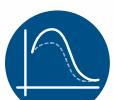
## BASIC DESIGN



In addition to the catalysts, we are here to guide you in the reactor design. Based on your operating conditions, we can make sure you use the right catalyst, in the right amount and with the right adsorbents.

All based on your specific operating conditions and fuel. And if you are looking at less traditional operational conditions, we are happy to do verification testing for you.

## TESTING CAPACITY



The team at HC&E are experienced in developing and commercialising technology in the field of catalysis and chemical engineering. A significant part of our operation is the development and qualification testing of our catalysts. We have a number of test rigs with the capacity of operating at a range of conditions with respect to temperature and pressure.



## HYDROGEN GENERATION MATERIALS

- HYDROCARBON SATURATION
- BIOGAS PURIFICATION
- PRE-REFORMING
- STEAM REFORMING
- PARTIAL OXIDATION
- AMMONIA CRACKING
- METHANOL REFORMING
- LOW AND MEDIUM TEMPERATURE WATER-GAS SHIFT
- SELECTIVE CO OXIDATION AND METHANATION
- SULFUR ADSORPTION
- CHROMIUM ADSORPTION
- SILICA ADSORPTION
- AMMONIA ADSORPTION