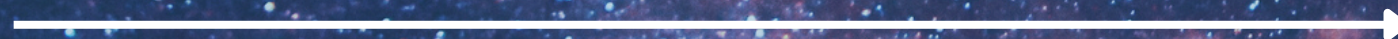




# Understanding hydrogen: The basics

**The most abundant  
element in the universe**



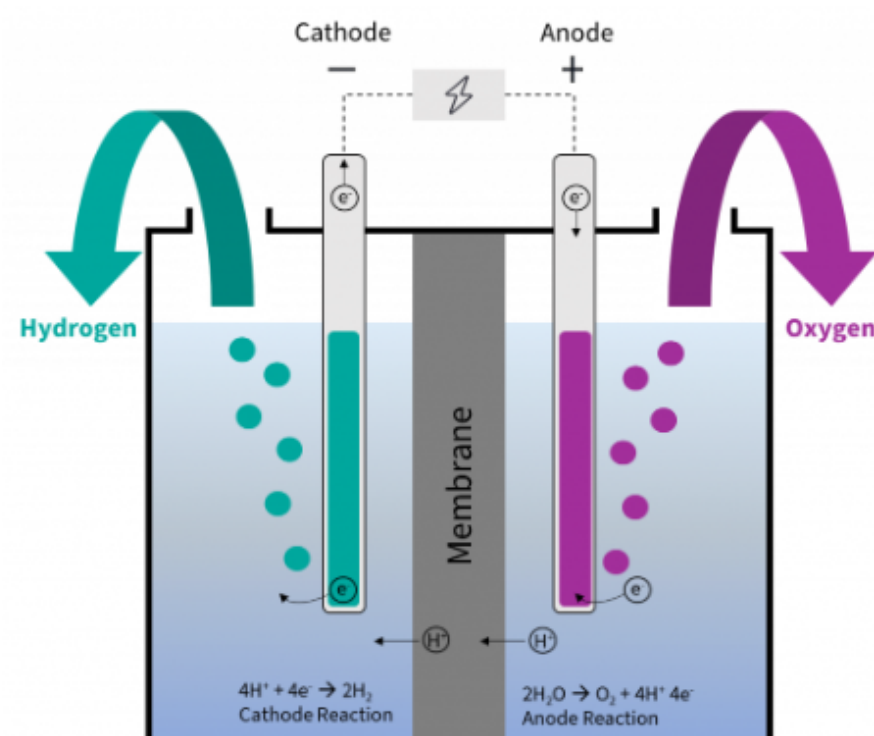
**LEARN MORE**

[www.h2bulletin.com/knowledge/hydrogen-basics](http://www.h2bulletin.com/knowledge/hydrogen-basics)  
[www.thoughtco.com/hydrogen-element-facts-606474](http://www.thoughtco.com/hydrogen-element-facts-606474)



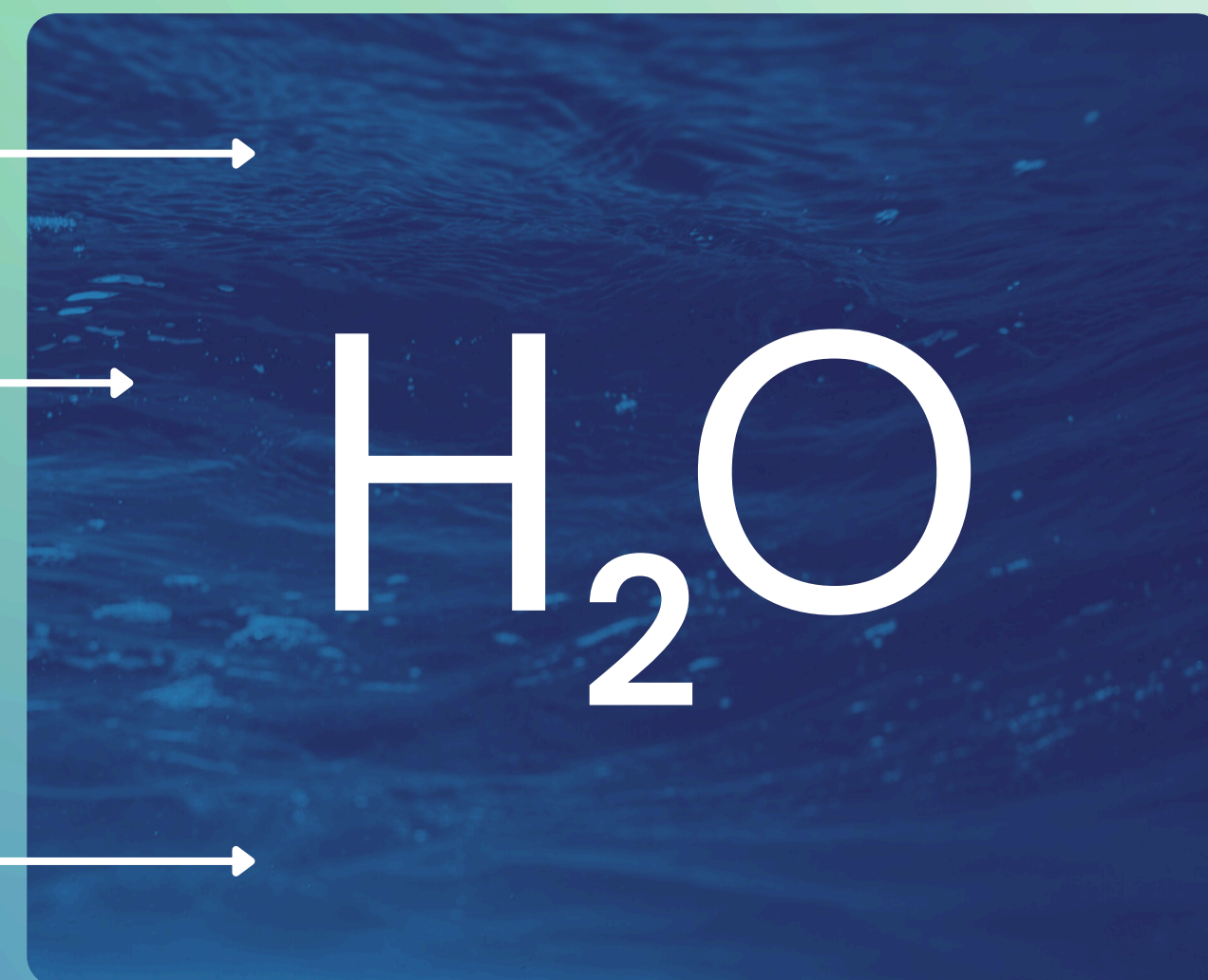


# Why Hydrogen is Important: The Big Picture



LEARN MORE

[www.ptx-hub.org/water-electrolysis-explained](http://www.ptx-hub.org/water-electrolysis-explained)





# Why hydrogen is important: the big picture



The Commission will help kick-start the EU industry to achieve the EU climate goals. On 9 October 2019, a conference will take place in Brussels to unite businesses and national and regional policymakers to launch a climate policy breakthrough

## SOURCE

[www.ec.europa.eu/newsroom/growth/items/656646](http://www.ec.europa.eu/newsroom/growth/items/656646)

**Hydrogen**  
for Climate Action







# The crucial difference: Why “clean” hydrogen?

## Black and grey hydrogen

(from coal and oil)



## Green hydrogen

(from water and renewable electricity)







# Cleanhypro's role: Driving the solution

**9**

## Pilot Lines



We aim to upscale and upgrade 9 PLs while developing associated services to provide qualified electrolysis materials and essential components, meeting industrial needs, and expediting their market adoption

**4**

## Showcases



CLEANHYPRO's showcases will serve as practical testing grounds for developed materials, driving innovation, and validating project performance toward its objectives

**28**

## Partners



We aim at harmonizing the testing protocols of stacks and components for the 4 electrolysis technologies, and at developing manufacturing quality label with specific tests at the cell level.

**2**

## Open Calls



CLEANHYPRO will launch two Open Calls to fund at least 16 democases, fostering innovation and testing the sustainability of its Single Entry Point (SEP) platform for clean hydrogen production