



**Hydrogen 101**

**What  
technologies  
are needed in  
the hydrogen  
economy?**

Hydrogen Council

# What makes technology foundational to the growth of hydrogen?

**Efficiency Improvements:** Translates to lower costs and reduced energy consumption, making hydrogen more competitive.

**Scalability:** Hydrogen requires infrastructure that can scale to meet growing demand.

**Environmental Impact:** Effective technologies help reduce GHG emissions and minimize environmental impact

**Safety:** Advanced sensor technologies and leak detection systems ensure that hydrogen is safely produced, stored and transported.



What are important equipment and technologies for growing the hydrogen sector?



**Electrolyzers**



**Fuel Cells**



**Storage Systems**



**Pipelines**



**Fueling Stations**



**Safety  
& Sensor  
Equipment**