

HYDROGEN: AN ENERGY CARRIER



Attributes of Hydrogen



Hydrogen is like the celebrity of the energy world - everyone is fascinated by it, but it's notoriously difficult to access. Though it's a challenging and complex process, the rewards are enormous..!

Hydrogen Production Pathways

Source	Fossil Fuels (C _x H _y)					Water (H ₂ O)		Biomass (C ₁ H _{1.4} O _{0.6})
Inputs	Natural gas		Brown/Black coal		Solar/ Grid	Nuclear	Renewables	Biomass
Process	Reforming	Pyrolysis	Gasification		Electrolysis		Gasification	
Carbon Movement	↓ S	↑ E	↓ S	↑ E	-	-	-	↓ S
H ₂ Spectra	Blue	Grey	Turquoise	Brown	Black	Yellow	Pink	Green

Applications of Hydrogen

