









## **Technological Challenges**

Onboard Storage

Limits of Hydrogen Volumetric Densities

Fuel System	H2 Density, g/L	
Gaseous H2	25	
Liquid H2	70	
Methanol	99	
Liquid Ammonia	110	
Reversible Metal Hydride	125	

## Practical Hydrogen Volumetric Densities

Practical H2 Density, g/L	Storage Efficiency, %
10	40
20	16
23	23
26	37
44	40
	10 20 23



