



## An AIChE® Technical Community

The Center for Hydrogen Safety (CHS) is a non-biased and nonprofit corporate membership organization that promotes the safe operation, handling, and use of hydrogen across all installations and applications. CHS facilitates access to hydrogen safety experts; develops comprehensive safety guidance, outreach and education materials and activities; and provides a forum to partner on world-wide technical solutions. Participation in CHS provides assurance that groups of experts have a common communication platform with a global scope to ensure safety information, guidance and expertise is available to all stakeholders. **Learn more at [aiche.org/CHS](http://aiche.org/CHS).**

### MEMBERSHIP IMPACT

A CHS membership communicates your commitment to safely harnessing the benefits of hydrogen. Members are:

- Demonstrating that safety as a fundamental principal
- Ensuring that neutral and trustworthy hydrogen safety resources are sustained and have global impact
- Helping ensure that safety is not a significant impediment to stakeholder and public acceptance of hydrogen technology

### MEMBERSHIP BENEFITS



#### PROJECT/FACILITY SUPPORT

- Design Reviews
- Hazard Analysis Support
- Facility/Site Safety Reviews



#### NETWORKING

- Hydrogen Safety Conferences
- Working Groups



#### TRAINING & EDUCATION

- First Responders
- Researchers
- Technicians



#### OUTREACH

- Stakeholders
- Code Officials
- Communities



#### INCIDENT RESPONSE RESOURCE

- Timely Information on Incidents
- Fact Sheets
- Resource Guides

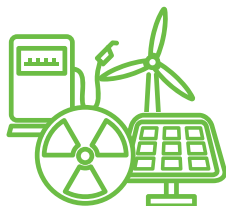
**BE PART OF CHS! [www.aiche.org/chs](http://www.aiche.org/chs) • [www.h2tools.org](http://www.h2tools.org)**

CENTER FOR <b>Hydrogen</b> SAFETY	MEMBERSHIP TYPE (COST)	EXECUTIVE (\$50,000 USD/yr)	GOVERNMENT (\$25,000 USD/yr)	INDUSTRY (\$15,000 USD/yr)	SMALL BUSINESS (\$5,000 USD/yr)	NATIONAL LAB (\$5,000 USD/yr)	UNIVERSITY (\$2,000 USD/yr)
PRIME BENEFITS							
Seat on the Managing Board		■					
Direct strategy and Influence path of CHS		■					
Participation in working groups		Guaranteed	As Available	As Available	As Available	As Available	As Available
Discounted HSP review charges		-25%	-25%	-15%	-10%		
Discounted credentialing		-50%	-25%	-25%	-25%	-25%	
Discounted conferences and workshops		First 5 Free	■	■	■	■	■
Discounted eLearning courses through AIChE Academy		Free	■	■	■	■	■
Demonstrate commitment to safety		■	■	■	■	■	■
Newsletters and technical bulletins		■	■	■	■	■	■
Incident coordination and resources		■	■	■	■	■	■
Participation in monthly members meetings		■	■	■	■	■	■

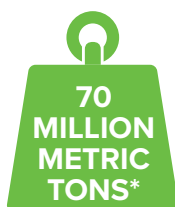
**CHS IS PROUD TO HAVE THE FOLLOWING ORGANIZATIONS AS  
STRATEGIC PARTNERS IN SUPPORTING THE GLOBAL HYDROGEN SAFETY OBJECTIVE**



**BE PART OF CHS! [www.aiche.org/chs](http://www.aiche.org/chs) • [www.h2tools.org](http://www.h2tools.org)**



Hydrogen is derived from petroleum, wind, solar and other sources. Hydrogen is gaining momentum as an energy carrier.



Chemical



Refining



Electronics







Pharmaceuticals

70 million metric tons of hydrogen are produced globally every year for industrial applications.



**U.S. >\$200 billion**  
in revenue by 2023

## March 2020 Status: Hydrogen Fuel Cells and Infrastructure

				
USA <sup>[1]</sup>	8,098	42	Prototype Phase	>30,000
Europe <sup>[2,3]</sup>	1290	76	~100	~300
Japan <sup>[1,3]</sup>	3,521	22	Prototype Phase	160
China <sup>[2,3]</sup>	50	2800	>1500	2
<b>Total<sup>[1,2,3]</sup></b>	<b>~18,000</b>	<b>~3,000</b>	<b>~1,600</b>	<b>~31,000</b>

[1] California Fuel Cell Partnership

[2] *Fueling the Future of Mobility* (2020), Deloitte and Ballard

[3] The International Partnership for Hydrogen and Fuel Cells in the Economy

**Ready to Apply for CHS Membership? Visit [www.aiche.org/chsmemberapply](http://www.aiche.org/chsmemberapply)**

Questions? To learn more, contact:

Nick Barilo, P.E. Director of the Center for Hydrogen Safety, AIChE

Tel: 509-371-7894 • Email: [nickb@aiiche.org](mailto:nickb@aiiche.org)

[www.aiche.org/chs](http://www.aiche.org/chs) • [www.h2tools.org](http://www.h2tools.org)