



Nirmal Gnanapragasam, PhD, P.Eng.

Founder and CEO

Canadian Hydrogen Safety Centre (CH2SC)



Nirmal Gnanapragasam holds a PhD in Mechanical Engineering from the University of New Brunswick and is a licensed Professional Engineer (P.Eng.). He is the Founder and CEO of the Canadian Hydrogen Safety Centre (CH2SC), a national organization established to resolve practical hydrogen safety issues. In his current role, he directs hands-on safety engineering—including risk assessments and CFD modeling—and provides high-level advisory on safety gaps and standards, building collaboration with over 140 stakeholders. Previously, he held several advancing scientific positions at Canadian Nuclear Laboratories (CNL).

With over 18 years of experience, Dr. Gnanapragasam has been deeply involved in international hydrogen safety collaboration through organizations like HySafe, the AIChE Center for Hydrogen Safety, and the IEA Hydrogen TCP. He is a board director for the Canadian Hydrogen Association (CHA) and has contributed to shaping national standards through the CSA Z341 task force and the Canada H2 Codes & Standards Roadmap. His work spans the entire hydrogen value chain, from production and storage to end-use applications.