Skilling the Green Hydrogen Economy

ASIA PACIFIC GREEN HYDROGEN 2024 CONFERENCE & EXHIBITION

10 - 12 JUNE 2024

BORNEO CONVENTION CENTRE KUCHING, SARAWAK

Reflecting on Case Studies from Australia

Ir. Professor Sim Kwan Yong
Swinburne University of Technology
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INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 48 (2023) 19811–19820

Available online at www.sciencedirect.com

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journal homepage: www.elsevier.com/locate/he

Skilling the green hydrogen economy: A case study from Australia

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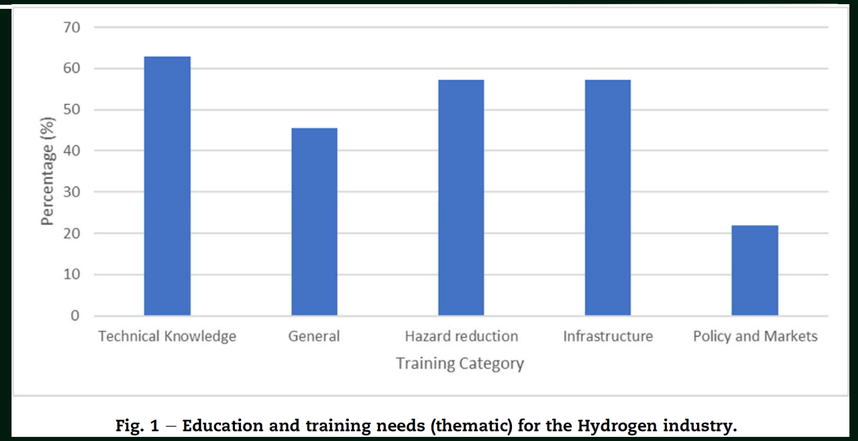

Fig. 1 – Education and training needs (thematic) for the Hydrogen industry.

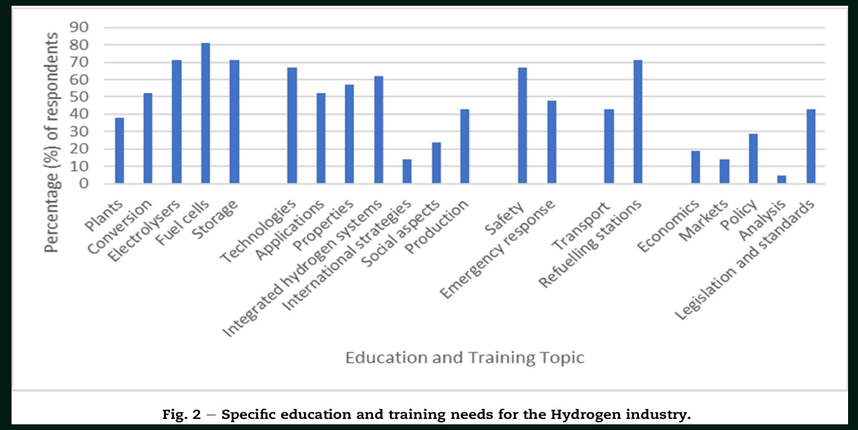

Fig. 2 – Specific education and training needs for the Hydrogen industry.

Key Highlights

- Cross-sector collaboration is needed to support education and training on hydrogen energy.
- Insufficient training is available to support skill development in hydrogen energy.
- Training on electrolysers, fuel cells, hydrogen storage and refuelling stations is most needed.

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Hydrogen Skills Roadmap

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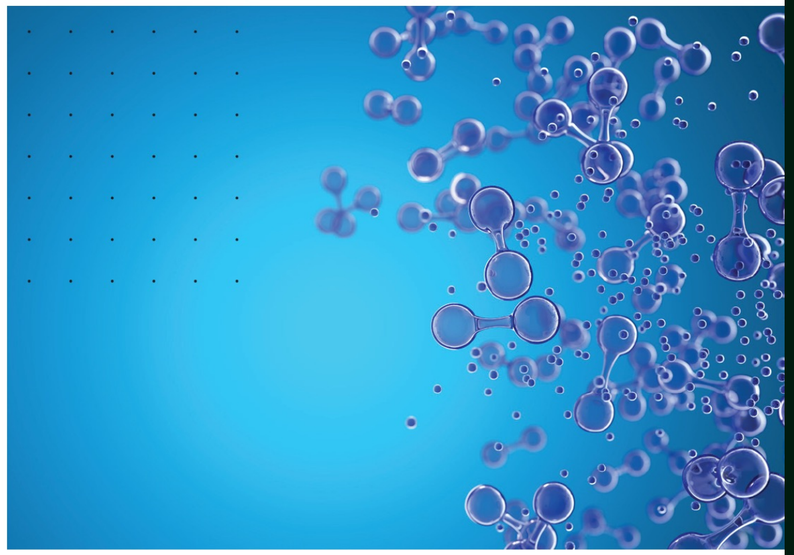

Hydrogen Skills Roadmap

An analysis of the skills and training needs to support a future hydrogen economy

September 2022

swinburne.edu.au

Recommendations:

Education

Schools - Hydrogen content in school for younger generation's engagement and preparedness.

Higher Education - Hydrogen subjects and industry engagement programs integration into higher education programs

Training

Training - identify technical skill gaps for trades and gas-related workers for training packages and future skills developments.

Train-the-trainer - national train the trainer program across the supply chain

Micro-credential - a national suite of industry-informed hydrogen micro-credentials for immediate training needs.

R&D

Further research to analyse specific skill sets within the gas and hydrogen economy.

A Hydrogen Skills Centre to leverage research and grow skills and knowledge.