

Skills and Training to Support the Hydrogen Economy

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Context and scope

The project seeks to build an understanding of the workforce needed to support a safe and effective hydrogen economy in Australia across six key supply chain areas by 2030:



Hydrogen production



Blending hydrogen into natural gas



Hydrogen distribution



Hydrogen as a transport fuel



Hydrogen storage



Hydrogen as an export fuel

By understanding the makeup and scope of the future workforce, consideration can be given to the education and training landscape that is needed to support this workforce. Understanding what changes are needed in the Australian education and training system to support and enable a safe and effective hydrogen workforce was the central question addressed in this piece of work.

Approach



CONSULTATIONS
(DOMESTIC AND
INTERNATIONAL.)



LITERATURE REVIEW



DATA ANALYSIS



SKILLS
FRAMEWORKS AND
TRAINING REVIEW

Key findings



No new job roles are required. Existing job roles will be augmented to undertake hydrogen activities.



46 job roles will be needed to support the hydrogen supply chain.



Incremental hydrogen-specific upskilling will complement workers' existing base of education and training.



Training gaps must be addressed (e.g. equipment integration, co-firing gases, storage) to adequately prepare the workforce.



Estimates indicate that **13,150 - 16,100 FTE** will be required by 2030 (medium production scenario).

Thank you

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