

Hydrogen Economy

Seizing Today's Opportunities

Short Course

A brief introduction to hydrogen energy, its production by renewables and its applications, as well as export industry opportunity

WHO IS IT FOR?

- This course is aimed at personnel and consultants who are interested learning more about the advantages and uses of different Hydrogen technologies.*
- This course will also suit anyone wanting to implement hydrogen in their projects.*

Certificate of Participation provided

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The Hydrogen Energy Group
<https://h2e.com.au>

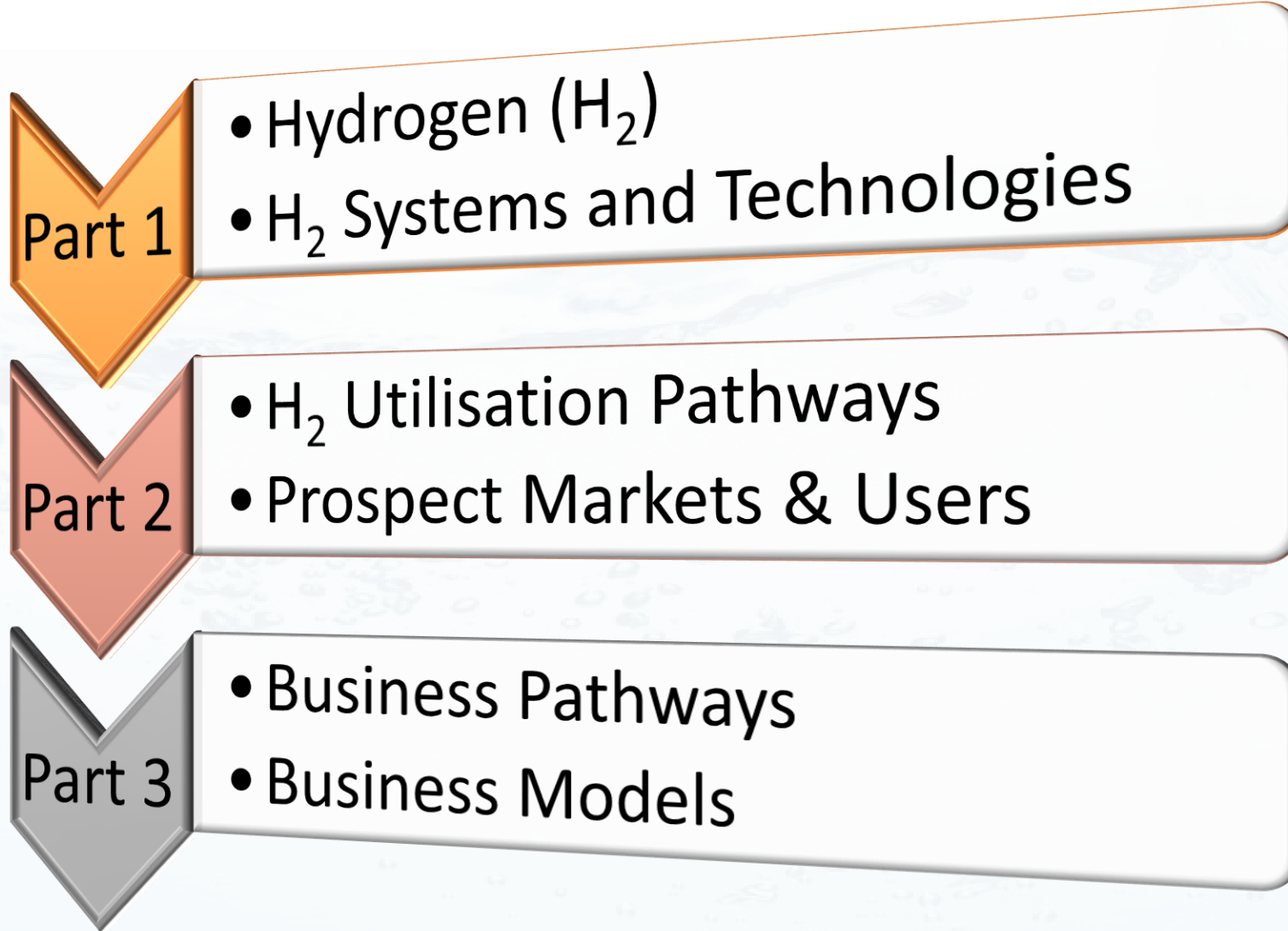


Hydrogen Role in the Economy

“Hydrogen Economy”



Outline



Half a day short course content

- Transition to clean energy (net Zero-Emission)
- Renewable energy (RE) resources merits and challenges
- RE storage technologies
- Why Hydrogen
- How safe is hydrogen
- Hydrogen Value chain
- Hydrogen systems' components
- Types of Hydrogen and energy content
- Hydrogen production pathways and technologies
- Electrolysis and types of electrolysers
- Water requirements
- Hydrogen storage technologies
- Hydrogen utilization pathways
- Fuel Cells and types of FCs
- Hydrogen to power technologies
- Hydrogen as a direct fuel
- Hydrogen blend into the gas network
- Hydrogen separation technologies
- Methanation
- E-fuels and e-diesel from hydrogen
- Who is involved
- Australia hydrogen strategy and roadmap

- Hydrogen export opportunity and technologies
- Hydrogen in green industries
- Hydrogen systems and applications
- Hydrogen-based Hybrid systems
- Grid connected and SAM systems
- Prospect end users
- Examples of proposals
- Hydrogen for transport
- Hydrogen fuelling stations (existing examples)
- Existing Hydrogen systems and component
- Hydrogen certification scheme
- Investment opportunities
- Investment pathways
- Hydrogen Systems selection criteria
- Component cost competitiveness
- Hydrogen production costs breakdown
- Who is involved
- Funding programs and how to apply
- Business models
- RE sourcing arrangements
- Overview of the latest reports and strategies
- Explore the supporting e-documents (over 300 reports and datasheets)
- Q&As and open discussion

