

# H100 Fife – Project Advisory Board

16 February 2022



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# Agenda

1. Project Update
2. Cost
3. Schedule
4. Risk
5. Ofgem Project Direction Conditions & Deliverables
6. Scottish Government Grant Conditions
7. Contracts & Procurement
8. Stakeholder & Customer Engagement
9. Actions
10. AOB



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# H100 Fife – Project Advisory Board

10 August 2021



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# Agenda

1. Introductions & Update to Terms of Reference
2. Key Updates
3. Programme Update
  - Backwards looking Q2 2021
  - Forwards looking Q3 2021
4. Risk Register
5. AOB and Q&A

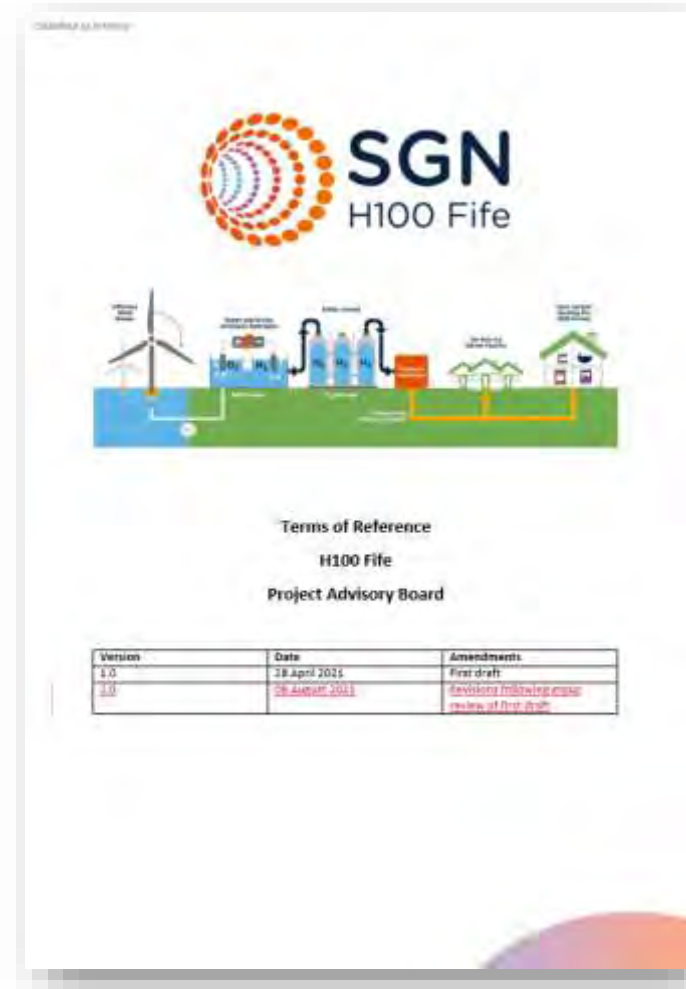


# 1. Introductions / Updated Terms of Reference

## Role of the Board

To support SGN in the delivery of H100 Fife, the Project Advisory Board will:

- Gain awareness and appreciation of the project and its progress.
- Have visibility of issues or challenges that risk the project's ability to deliver.
- Bring any unidentified potential risks to the attention of SGN.
- Support, where practical, with solutions to mitigate against project risks.
- Where possible, identify opportunities for coordination and alignment of Project Advisory Board reporting and actions with other existing interfaces and forums e.g. BEIS Hydrogen Programme Management Board, to ensure consistency of project dissemination
- Where required, review project deliverables and feedback in a timely manner so as not to impact the project's deliverability against the programme.
- Support the project in reaching milestones and stagegates where this ask doesn't fetter the discretion of the member and/or organisation represented.
- Visibility of any major project changes that may arise.
- Attend Project Advisory Board meetings on a regular basis as defined by these terms of reference, and where attendance isn't possible, make best endeavours to elect a stand in representative.



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## 2. Key Update – Planning (Site Visualisation)



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## 2. Key Update - Home Visits

 **Hy4Heat**  
demonstrating hydrogen for heat

 Department for Business, Energy & Industrial Strategy

**WORK PACKAGE 7**  
Annex:  
To Site Specific Safety Case for Hydrogen Community Demonstration



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# 5. AOB and Q&A



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# H100 Fife Scottish Government Update

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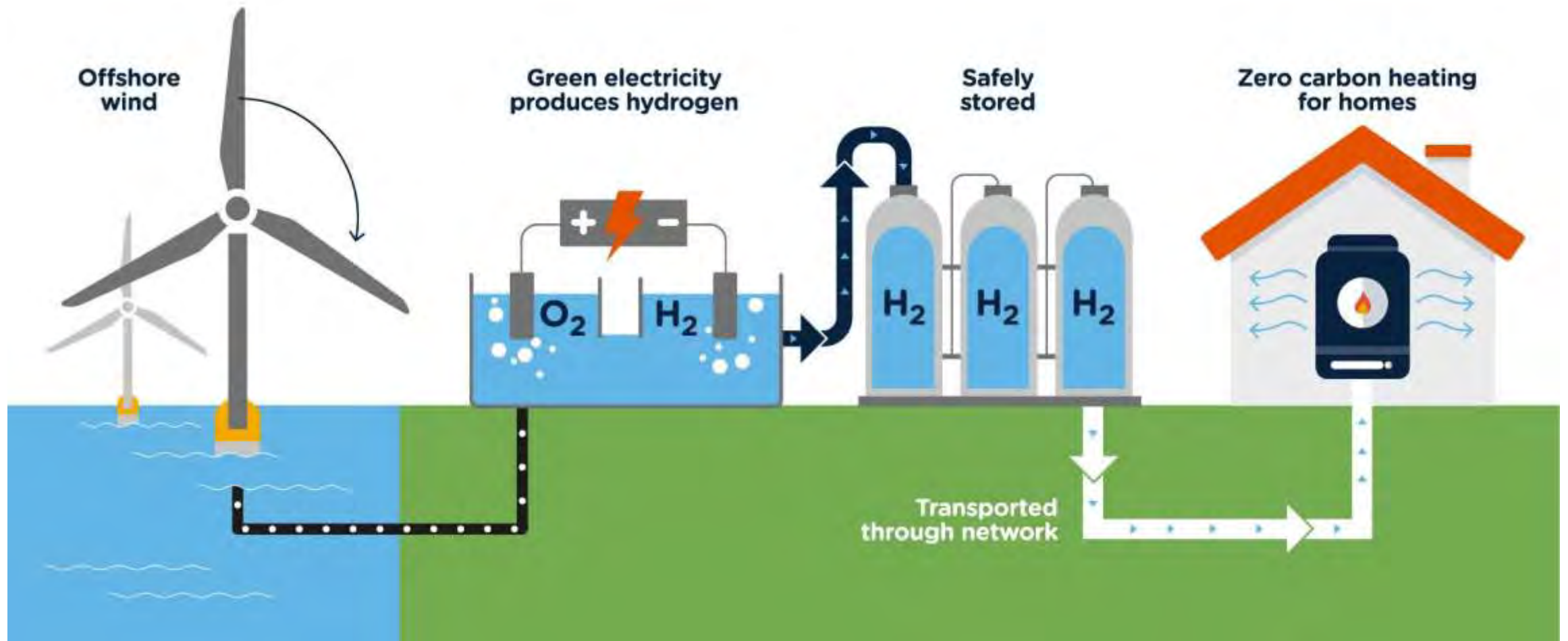
13 October 2020



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# H100 Fife – End to End Demonstration



# H100 Fife – Levenmouth Site



Energy Park Fife



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# Value for Money & Outcomes



- Firm Costs
- Signed Commitments
- Market Engagement
- Internal and External SMEs
- Earlier Project Phases

**Reducing Cost Uncertainty**

- Accuracy reviews
- Probabilistic Modelling
- Contingency assessments

**Cost Risk Analysis**

- Project management structure
- Procurement Process
- Go / No Go Stagegates

**Robust Cost Management**

### Example Critical Outcomes

- Prioritised learning to inform Hydrogen system transformation
- Validation of 80% of 280000km network materials, components, construction and operation on a live network.
- Quantifying and qualifying customer and social acceptance of hydrogen for heat in real-world trial
- End to end system interfaces management and learning across the whole system
- Statistically significant and scalable
- Future demand forecasting through heat profile data
- Informs heat policy decisions and future regulation
- Shared learning and knowledge transfer to facilitate hydrogen projects and roll out
- **Market creation**



> £1trn challenge of net zero decarbonisation



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Thank you



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# H100 Fife – Project Advisory Board

## *Kick Off*

28 April 2021



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# Agenda

1. Introductions/ Draft Terms of Reference
2. Project overview & delivery structure
3. Conditions Update
4. Programme Update
  - Backwards looking Q1 2021
  - Forwards looking Q2 2021
5. Risk Register
6. Terms of Reference
7. AOB





# 1. Introduction / Draft Terms of Reference

- Gain awareness and appreciation of the project and its progress.
- Have visibility of issues or challenges that risk the project's ability to deliver.
- Support, where practical, with solutions to mitigate against project risks.
- Where possible, identify opportunities for continuity and alignment of Project Advisory Board reporting and actions with other interfaces and forums e.g. BEIS Hydrogen Programme Management Board.
- Where required, review project deliverables and feedback in a timely manner so as not to impact the project's deliverability against the programme.
- Support the project in reaching milestones and stagegates where this ask doesn't fetter the discretion of the member and/or organisation represented.
- Attend Project Advisory Board meetings on a regular basis as defined by these terms of reference, and where attendance isn't possible, make best endeavours to elect a stand in representative.



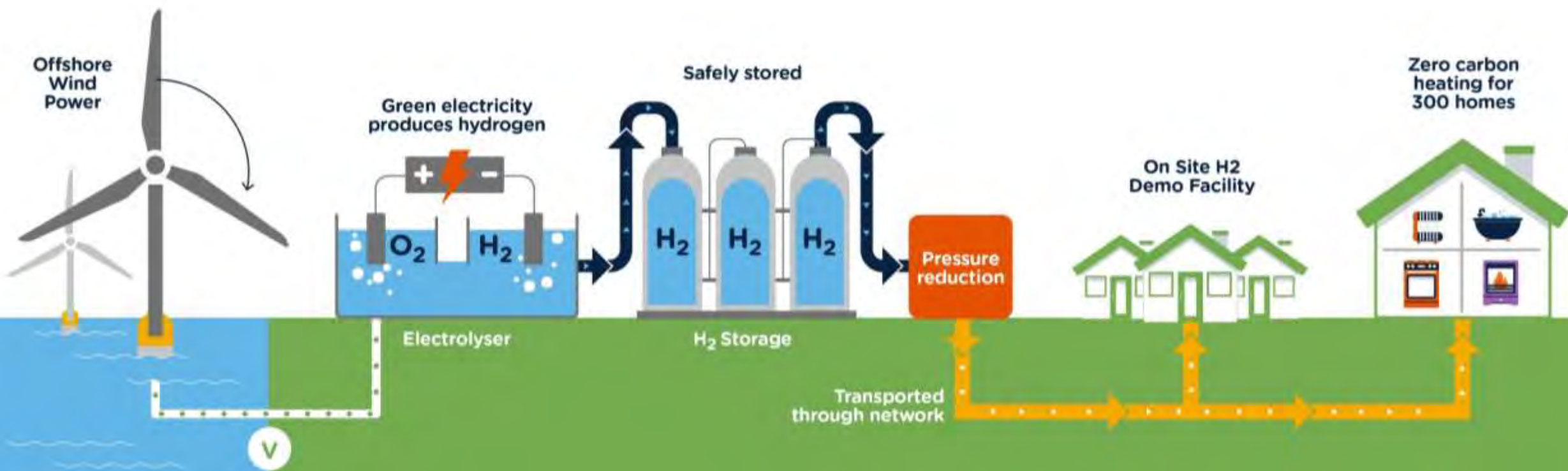
## 2. Critical H100 Fife Outcome Examples

- **Prioritised learning to inform hydrogen system transformation**
- **Validation of 80% of 280000km network materials, components, construction and operation on a live network.**
- **Quantifying and qualifying customer and social acceptance of hydrogen for heat in real-world trial**
- **End to end system interfaces management and learning across the whole system**
- **Statistically significant and scalable**
- **Future demand forecasting through heat profile data**
- **Informs heat policy decisions and future regulation**
- **Shared learning & knowledge transfer to facilitate hydrogen projects & roll out**
- **Market creation**



**> £1trn challenge of net zero decarbonisation**

## 2. End to End Demonstration



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**SGN**  
Futures



**SGN**  
H100 Fife

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# 6. Terms of Reference – Project Advisory Board



# 7. AOB & discussion



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# H100 Fife – Project Advisory Board

16 March 2022



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