

Prepar-H₂

Advice from experienced staff about preparation and operation of H₂ demonstrations



www.newenergy.is/en/preparh2/



• Topics:

• Employees' view on hydrogen fuel

• Project design

• Planning the Budget

• Selection of Partners

• Completion of project

• Management style

• Expectation management

• Keeping up commitment

• Communication in projects

• Property rights/confidentiality

• Dealing with media

• Delays and unexpected cost

• Problem solving approaches

• Remarks on bureaucracy

• Questions from public



More insights and lessons in the Prepar-H₂ checklists

We offer you good insight and practical recommendations on hydrogen demonstration projects. These have been collected from employees that have 5-10 years of experience within hydrogen service. Look for the Prepar-H2 checklist on line:



www.newenergy.is/en/PreparH2



Highlights:

- Interviews were conducted with 25 persons who have practical experience from using hydrogen as fuel in transport or stationary applications. They are drivers, technicians at hydrogen stations, fleet operators; they have worked in maintenance and repairs, followed up bus operations, project management, overseen data collections and research.
- The interviews give insight into the various posts along the hydrogen fuel chain both in reformation and electrolysis.
- The interviewees came up with topics of concern. Many were notes on good practice or mistakes in project management, others concerned commitment and communication while still others touched on policies and administration.
- Mismatches were found in expectations and real performance. Silver bullets pampered by media and the approach to hype up issues was profoundly resented.
- Research parallel to hydrogen demonstrations has been repetitious and is in need of new approaches with sound theoretical background.
- Cost of transport is rising, cost of hydrogen is coming down but emerging technologies are becoming cost competitive in view of life-cycle costs.
- End users are more interested in technology than environment but hydrogen is a good option to cut carbon emissions when renewable energy or waste hydrogen is put to use in transportation.

- **Project full title: Preparing Socio and Economic Evaluations of Future H2 Lighthouse projects:**
- **Prepar-H2** (Agreement ref. No.245332)

Outcomes:

- Economic aspects related to introduction of hydrogen as transportation fuel.
- Social studies in context with hydrogen deployment: Analysis, quality, gaps and recommendations
- Prepare-H2 checklist. Practicalities of running hydrogen fuel chains

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