



Risk free pipeline development for the hydrogen industry

May 2022

Our aim

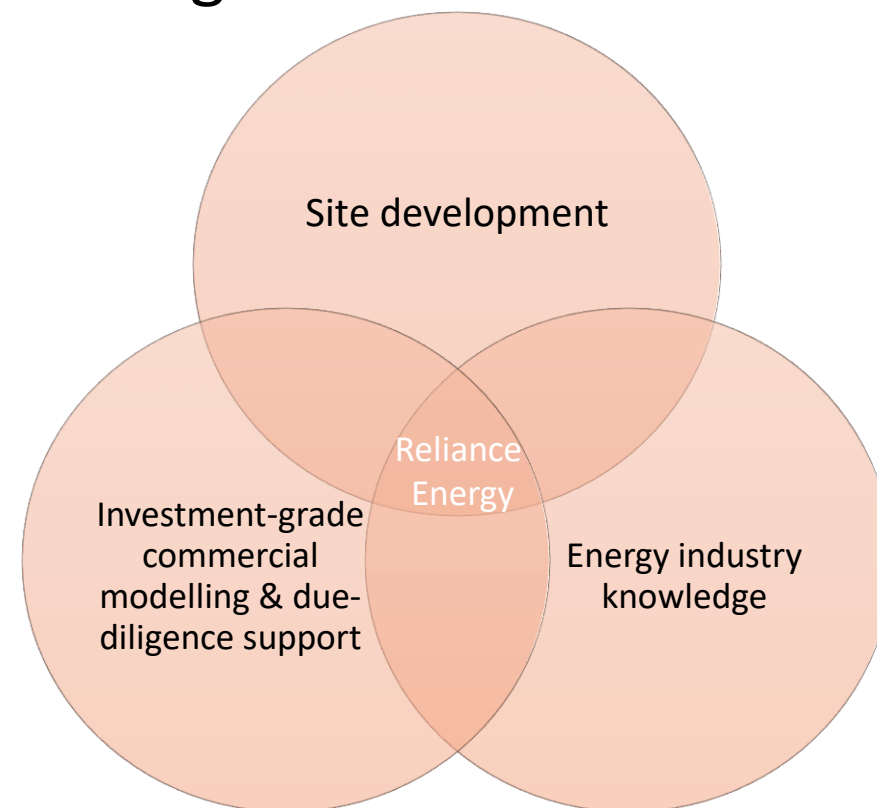
To support clients to roll out hydrogen production by securing a pipeline of sites that meet their commercial and technical needs

Reliance Energy:

An outsource development company for UK generators



- Reliance Energy supports clients to identify and articulate the business case to secure investment in future pipelines, whilst in parallel finding and preparing sites ready for construction when the investment is secured.
- We do this through drawing on our energy expertise and development toolkit to ensure that site development meets our clients' operational and commercial needs.
- By applying our understanding of the future energy scenarios, Reliance Energy identifies the commercial requirements for developments to best meet the risk appetite of the client, and then develops/re-develops sites to provide the client with an investable business case, backed by an investment grade model and all the required supporting documentations.



How Reliance Energy can help

- We have worked across multiple complex technologies, and have successfully applied our experience to securing project rights for technically unique, “proof of concept” projects
- That means all we need is a clear set of site parameters and we can start looking
- We are currently sourcing sites based on our own research and have reached the conclusions below
- However, our preference would be to understand your specific requirements so we can be looking for your ideal locations

Factors we have considered

Technical Requirements

- Electrical supply
- Water supply

Planning Requirements

- Space requirements
- Staffing levels
- Desired operational hours
- Hydrogen storage requirements
- Vehicle movements per day

Emissions

- Noise emissions
- Oxygen to atmosphere

Our assumptions for a good hydrogen site (so far)

- In proximity to a specific point of demand
- Replaces current demand for grey hydrogen
- Industries likely to be early adopters:
 - Mobility including shipping, public transport and other commercial vehicles
 - Industrial uses, fertiliser production, oil refining industries, glass industry, welding gas
- Injection points for gas networks
- Close to renewable source of electricity
- Close to an electrical grid connection with excess import capacity
- Good transportation links

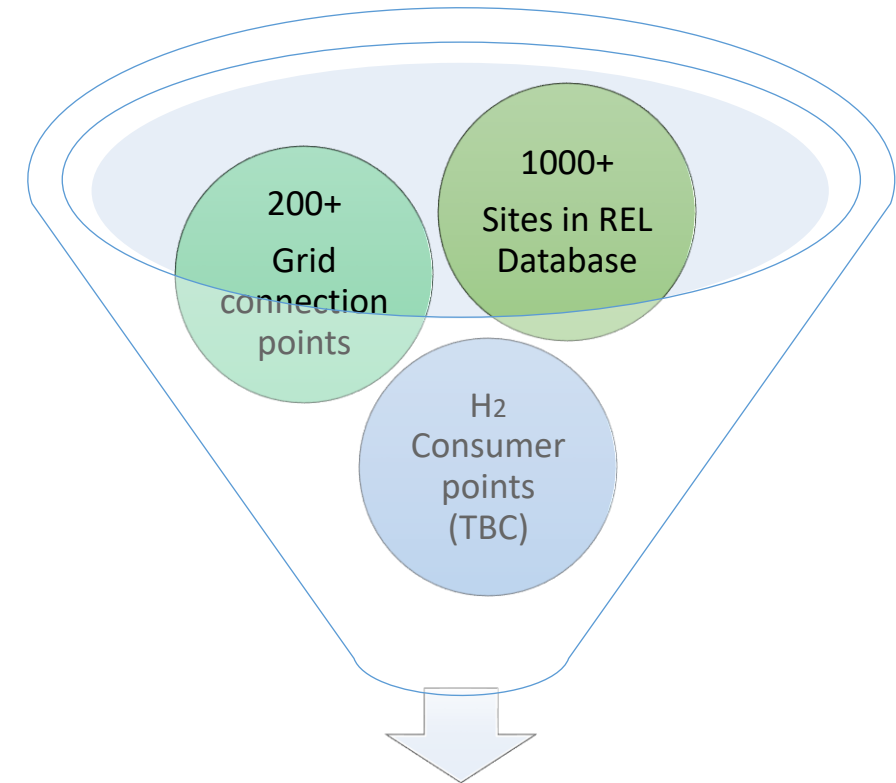
Where we'd begin

- Reliance Energy has an existing database of 1322 prequalified prospective sites, created and populated as part of its legacy as a FlexGen developer.
- Many of these sites were rejected due to no availability of gas supply, environmental constraints or planning concerns over fossil fuel generation – parameters that would not apply to hydrogen production.
- Paired with information on hydrogen demand areas, these can be easily filtered to progress site origination for hydrogen production and supply sites.

Project > Discontinued Projects										
Live?	REL No.	Project	Client	Aborted	Aborted Reason	PPN Signed	Notice Issued	Grid?	DNO	Grid Status
<input type="checkbox"/>	REL0080	Venetia Road		26-02-2019	Land			NA		
<input type="checkbox"/>	REL0072	Rodstock		19-05-2018	Grid			NA		
<input type="checkbox"/>	REL0085	Neptune Street		04-05-2018	Grid			NA		
<input type="checkbox"/>	REL0081	Burley Place		18-07-2018	Planning			NA		
<input type="checkbox"/>	REL0033	Dorehouse		17-08-2020	Client	12/02/2016		NA		
<input type="checkbox"/>	REL0022	Steam Crane Wharf						NA		
<input type="checkbox"/>	REL0037_2	Carrington 2		25-01-2019	Planning			NA		
<input type="checkbox"/>	REL0031	Amy Johnson Way, Shorebury		27-02-2020	Gas	06/08/2017	02/27/2020	NA		
<input type="checkbox"/>	REL0051	Corby		15-09-2017	Grid			NA		
<input type="checkbox"/>	REL0061	Junction Eco Park		31-08-2017	Grid			NA		
<input type="checkbox"/>	REL0056	Seaton Burn		26-03-2018	Planning			NA		
<input type="checkbox"/>	REL0059	Higher Bury		09-01-2018	Planning			NA		
<input type="checkbox"/>	REL0058	Portland		12-12-2017	Grid			NA		
<input type="checkbox"/>	REL0053	Lower Duntun Rd		30-04-2018	Grid			NA		
<input type="checkbox"/>	REL0062	Sidmouth			Land			NA		
<input type="checkbox"/>	REL0068	Upton Warren, Bromsgrove		09-07-2018	Planning			NA		
<input type="checkbox"/>	REL0006	Dering Way		17-09-2020	Client			NA		
<input type="checkbox"/>	REL0071	Statthies Rd			Grid			NA		



Protect: Commercial



New Potential Sites for Hydrogen

Our Pitch.

- Pooling resources from Reliance Energy's historical energy projects along with the current technical trends, we can find the perfect sites for hydrogen projects
- These sites would be brought to you in the first instance for review, on a **no obligation basis**

What are we missing?

- What do *you* need from a typical hydrogen site?

Proposed next steps

- Reliance Energy to arrange a 45 minute consultation call with you and your team, to understand your objectives and site requirements
- We will then revert with an anonymised pipeline of projects that meet these technical parameters which would then determine our base for future prospects.

There are people who understand energy, and there are people who understand project development.

Reliance Energy specialises in both



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