

BRAZILIAN CHAMBER OF COMMERCE IN GREAT BRITAIN



Department for Business & Trade

ALLEN & OVERY

Hydrogen in Brazil

1 March 2024

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Green Hydrogen: Opportunities & Challenges

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1 March 2024

A brief overview of challenges and opportunities



What is Allen & Overy seeing in the worldwide green hydrogen market?



Which use cases provide the main opportunities for green hydrogen?



What are the key structuring and commercial challenges for green hydrogen projects?

What are we seeing and where are the opportunities?

A snapshot of what we are seeing in the green H2 market



Liebreich's Hydrogen Ladder



*As ammonia or methanol **As e-fuel or PBTL ***As hybrid system

Source: Michael Liebreich/Liebreich Associates, Clean Hydrogen Ladder, Version 5.0, 2023. Concept credit: Adrian Hiel, Energy Cities. CC-BY 4.0

Key issues in developing and financing green hydrogen projects

Green Hydrogen Project



Defining scope and risk profile for all relevant project parties will drive overall structuring and approach to financing (including JV structures, project counterparty selection and risk allocation in project agreements)



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Hydrogen projects hot topics



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Three fundamental decisions to be made:



These 3 key decisions will lead to the next set of key structuring decisions through an iterative dialogue to drive an overall business model.

Interdependencies

Understanding and dialogue

Understanding interdependencies across the business model is a prerequisite for delivery

Understanding the overall risk appetite will drive speed of delivery and consistent messages to the market

Business model that works for the Project

Risk and its allocation will drive the structure(s) alongside an integrated financial model

Determining the business model will drive the tax and legal inputs (not the form of company or organization driving risk)

Dialogue between work streams is critical and involvement of cross work stream expertise (tax, transfer pricing, financing and legal) will assist in fast-track solutions



Offtake, offtake, offtake

Offtake is critical: what are the drivers & interdependencies?



