

Towards Global Ammonia Energy Certification Standards

Presented By

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Building Ammonia Energy Markets

The Basics: Confidence in Product and Process

- Environmental attributes for AE necessary for its financial viability as low carbon energy
- Confidence in the AE supply critical to long-term capital investment, and might include:
 - Clear and predictable low carbon standards (even where graduating over time)
 - Certain path for scoring carbon intensity, etc.
 - Bright lines as to scope of relevant emissions
 - International adoption of same (or compatible) methodologies

But what methodologies?



Methodology Matters

Key Questions

- Does green v. blue become “clean” or low carbon AE?
- Origin assurances, with or without reference to production methods;
- Alignment with other hydrogen-related energies;
- The divergence between bespoke supply and commodity trading;
- The roles of registries, methodologies and verifications;
- How much regulatory oversight should be invited?



Certification Standards Coming

More Questions.... Less Answers

- Is there a role for protocols?
- Self-verification possible?
- Offsets to meet certification standards – if so, under what restrictions?
- Improvements beyond AE standard may be accredited and traded?
- Possible undermining of restrictive standards through bilateral and regional differentiation.
- Broader international trade implications



Thank You

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