

Is Bigger Better? The optimum scale for green ammonia plants

Nicholas Salmon

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Green fuels mega project set to make Oman world leader in green hydrogen and green ammonia

in International Shipping News 19/05/2021



An international consortium comprised of OQ, which is Oman's global integrated energy company, InterContinental leading dedicated green fuels developer, and EnerTech government-backed clean energy investor and developer announcing it is developing an integrated green fuels plant in Oman.

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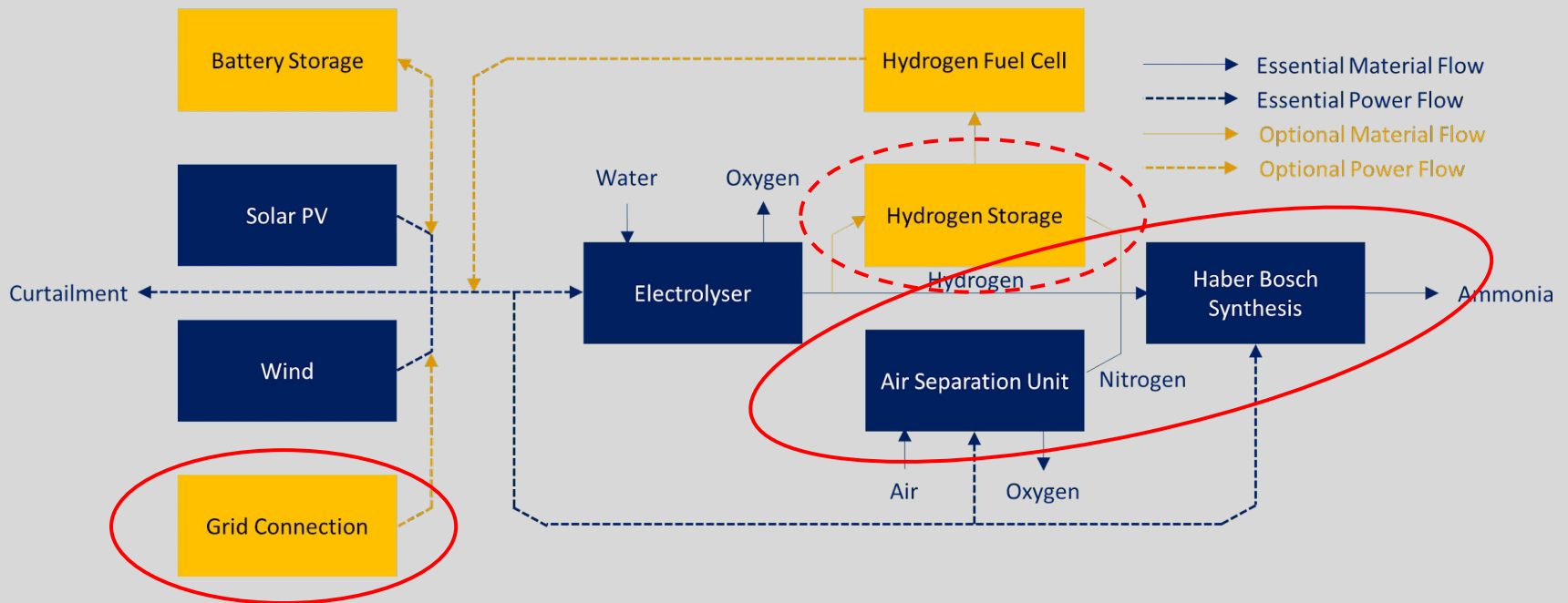
Green

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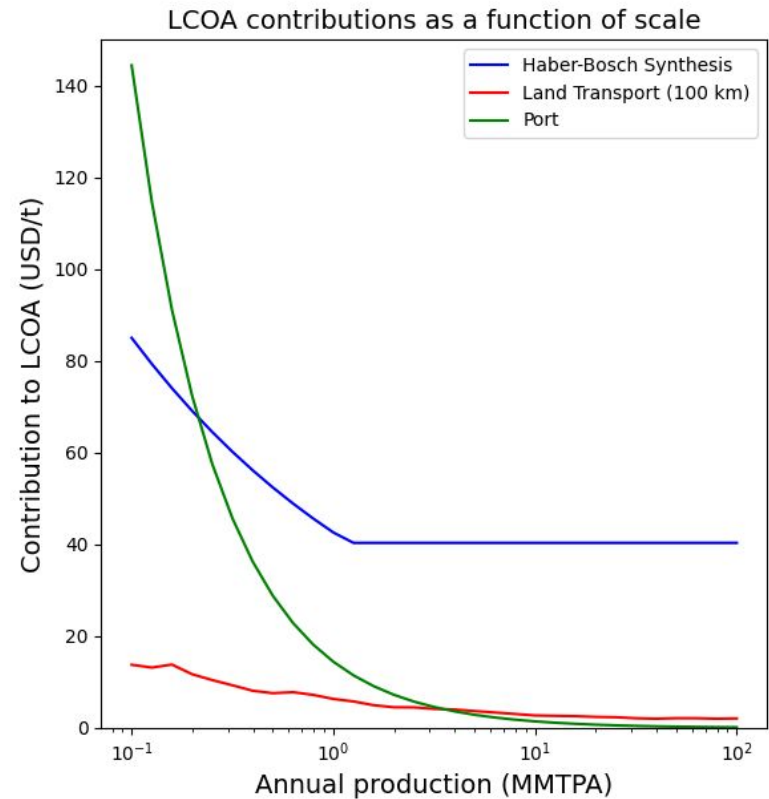
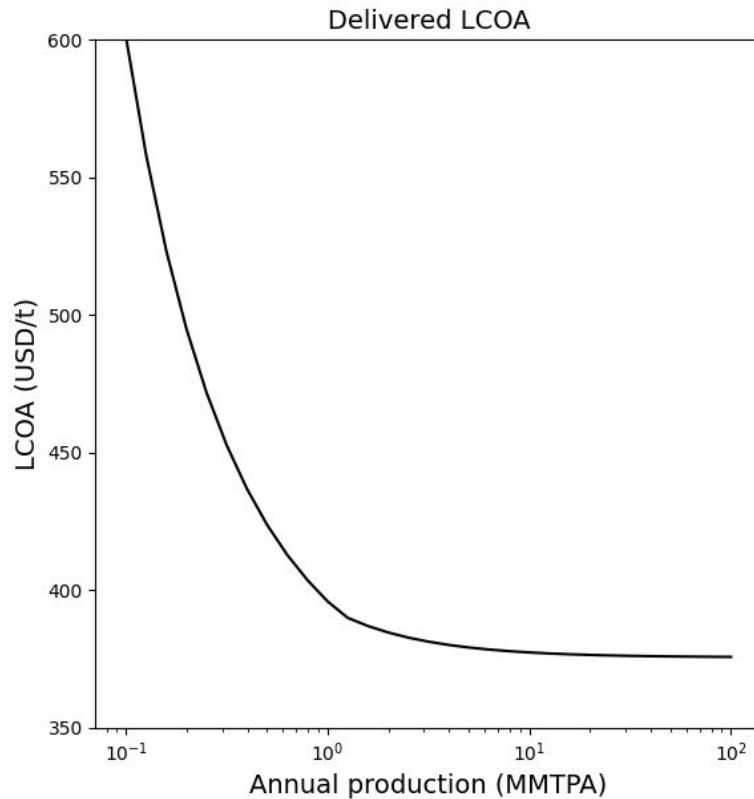
By [Heesu Lee](#)

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Production



Transport



Finance



Green ammonia is very capital intensive



Government finance is limited

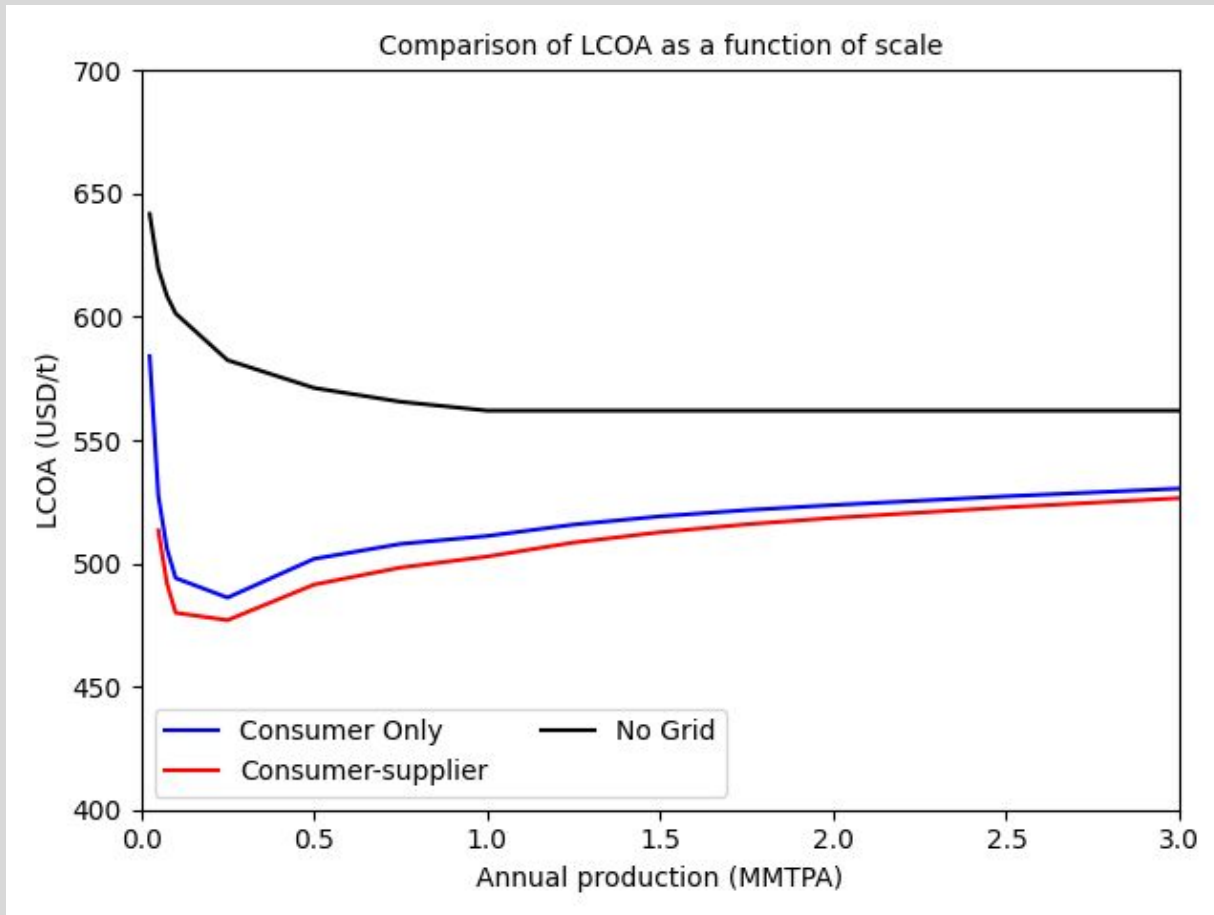


Markets for green ammonia are still small



Lead times could be extended

Grid Connectivity



Conclusions

- Micro-plants and ammonia don't mix – particularly for export
- Transport and infrastructure benefit from scale
- There is a relationship between scale and project finance
- It's worth pursuing alternative production techniques – but these may only work on small scales