

CWP GLOBAL

Green Hydrogen

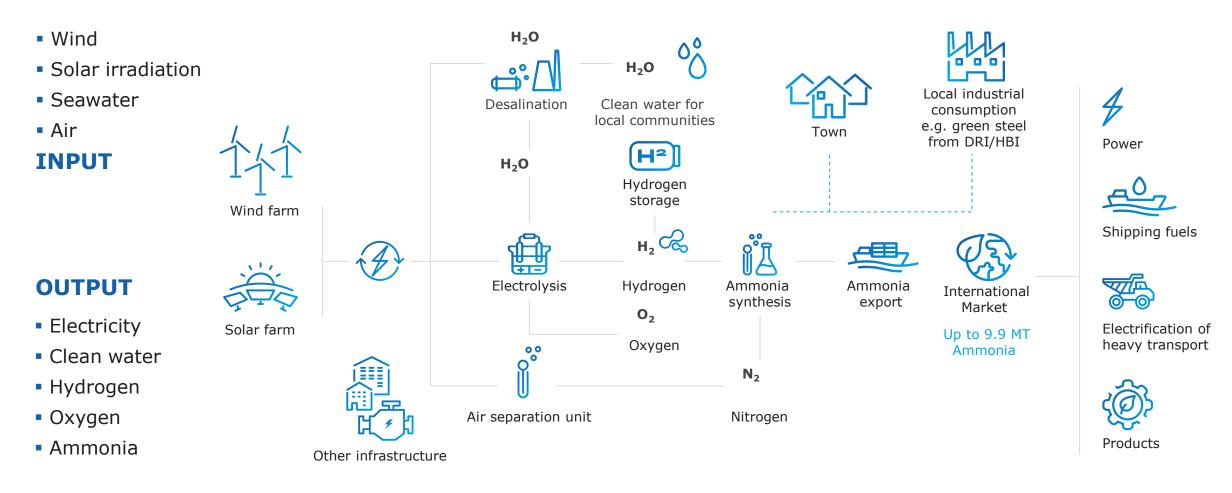
Value chain opportunities to de-carbonise the future

Margaret Mutschler Development Director for Africa August 2022 Unpacking the value chain and the supporting ecosystem required for realizing net zero by 2050



PTX INFRASTRUCTURE

Our PtX concept comprises a system of upstream renewable energy generation facilities, downstream production of green hydrogen & ammonia, and export facilities ensuring maximum safety & loading efficiency. This concept is applied to all our projects, and we strive to develop additional revenue streams where possible.



AN ECOSYSTEM OF OPPORTUNITIES

Direct Value Chain Off takers and Opportunities



National grid Large Scale users Regional traders Ancillary Market

Mangroves or

similar crops

Rail

National/local water supply network **High Value** Agriculture

Medical Use Industrial Use

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Steel (HBI/DRI) Methanol Power Generation Aviation Fuel Bulk Transport Plastics Mining Trucks Heating Public transport Gas Blending High Temperature heat Refinery



Marine fuel and bunkering Power Generation Fertilizer Explosives

Economic Diversity

Socio-Economic and Environmental Sustainability

Energy Security Water Security

Food Security

The Supporting Ecosystem

Consultants Administrative Support Services Logistics and traveling Accountants and Auditors Marketing and Branding Public Consultation, Awareness Translation Theater Warehousing IT and Web Support Modeling and Optimisation **Electrical Services** Substation and Lines Civil and Buildings Earth works, trenching and road works Pipelines Assembly of trackers/solar parks/WTG Welding **Contract Management** Arbitration Project Management Site supervision Communication (GSM, etc) Monitorina

Banking to to Supply Invest Accommodation Tourism Vehicles Hire Ready to be Employed Office Space Accounting **Conference Venues Employment Agencies and Advisory** Certification and traceability Laboratory Services Legal Manufacturing Steel structures and tanks Cabling Pre-fab/construction offices and housing Catering Storage Medical Clinics and Emergency Training Catering Mentoring Tools and Equipment Security and Safety

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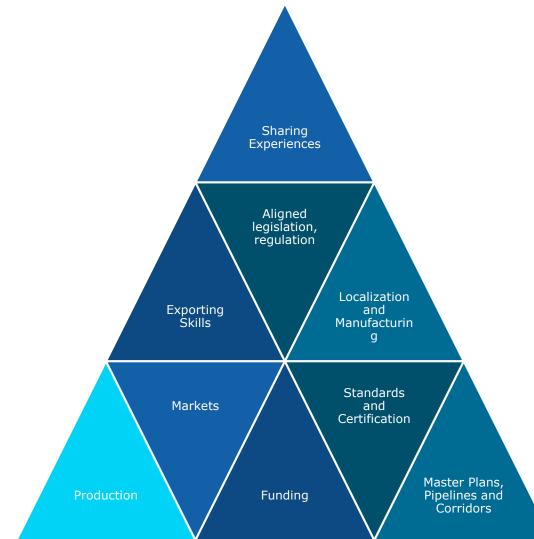
We need to seek the connections between the dots, to make sure we tap into, explore, and maximise the impact of the development and implementation of this industry on other industries:

- it is an input, an impetus, and we should give it legs and find many houses for it.



CONNECTING THE DOTS ON A CONTINENT

Green Hydrogen could be the catalysator in building a solid foundation of a strong African Union and Namibia can be a lead-facilitator





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Investing in a sustainable future



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