



Biomass Gasification

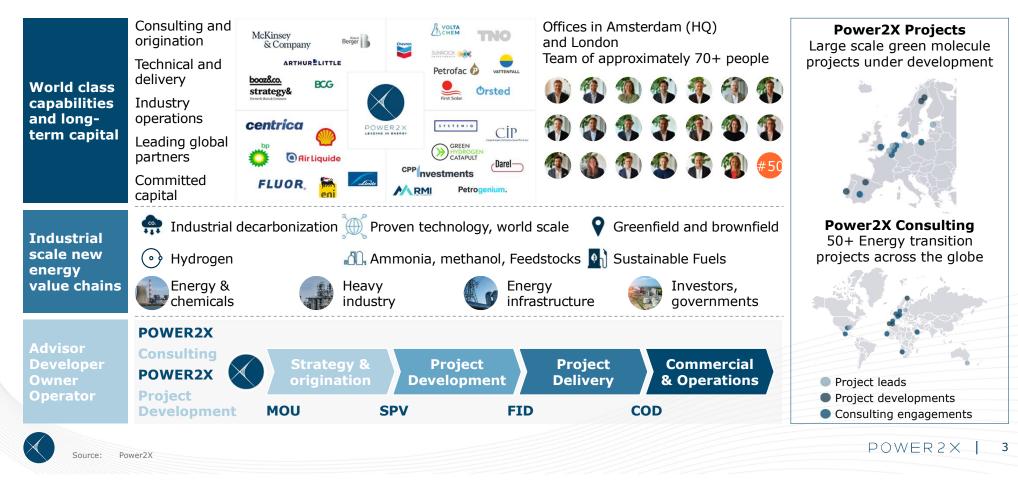
Perspective of a project developer

<u>Sriram Ragav SG</u>, June 2024, KIT Germany



Power2X aims to deliver top-quartile, most competitive green molecule projects for industrial decarbonization

Company introduction



Power2X is part of the CPPIB Sustainable Energy Group portfolio, providing capital & adding experience

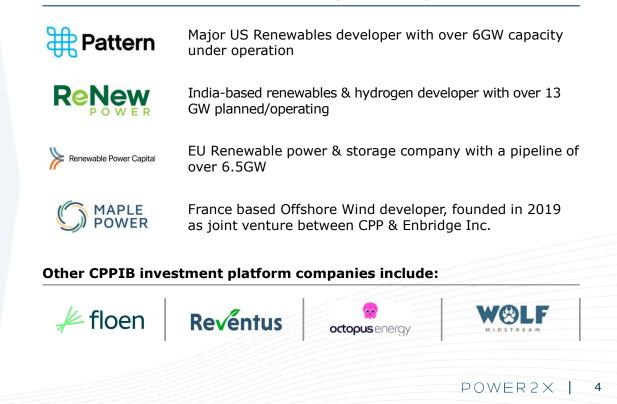
Capital & experience

Power2X has secured a long-term investment partnership which accelerate Power2X's growth

CPP nvestments

- CPPIB is a world-leading investment manager with EUR 400 bn assets under management (2023). CPP's Sustainable Energy group holds an investment portfolio of > EUR 20 bn in energy, power and infrastructure
- Power2X is CPPIB's platform company for investments in green molecules, industry & transport decarbonization
- Long-term investment partnership aimed at advancing Power2X's leading role in the global clean energy transition
- Initial €130 million commitment to accelerate growth of Power2X as a development platform and fund green molecule projects

Power2X can draw from extensive portfolio experience in energy & chemicals from other CPPIB investments / platform companies, such as:



Our projects and services accelerate the clean molecule transition in competitive and dynamic global markets

Power2X Project Development

World-scale clean molecule assets and infrastructure



MadoquaPower2X GW-scale green ammonia >€1Bn Capex, FEED (FID 2025) €245mln European Hydrogen Bank



ErasmoPower2X 650MW Green Hydrogen >€1Bn Capex



Power2XEstonia 500kt Bio/e-Methanol >€1Bn Capex

Various other projects under development incl. M&A

Power2X Consulting

World-class energy transition consulting across industries

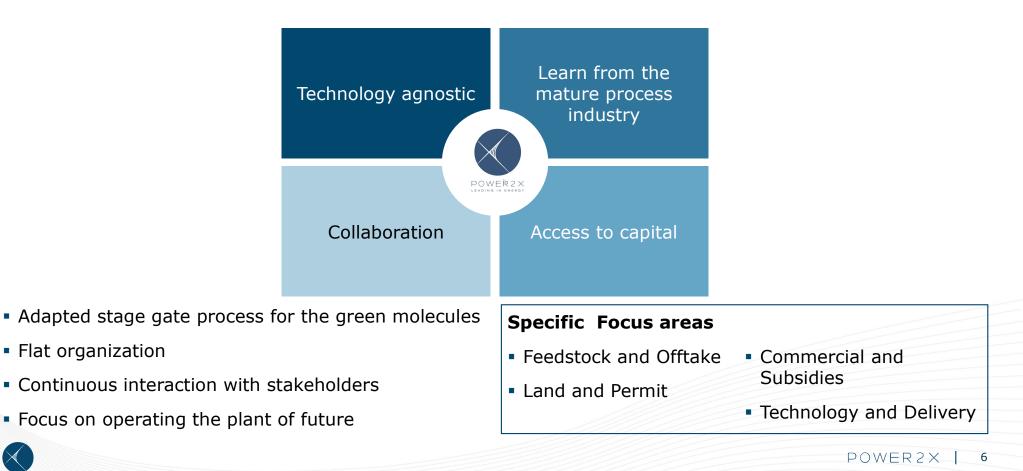




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Power2X differentiator

Flat organization





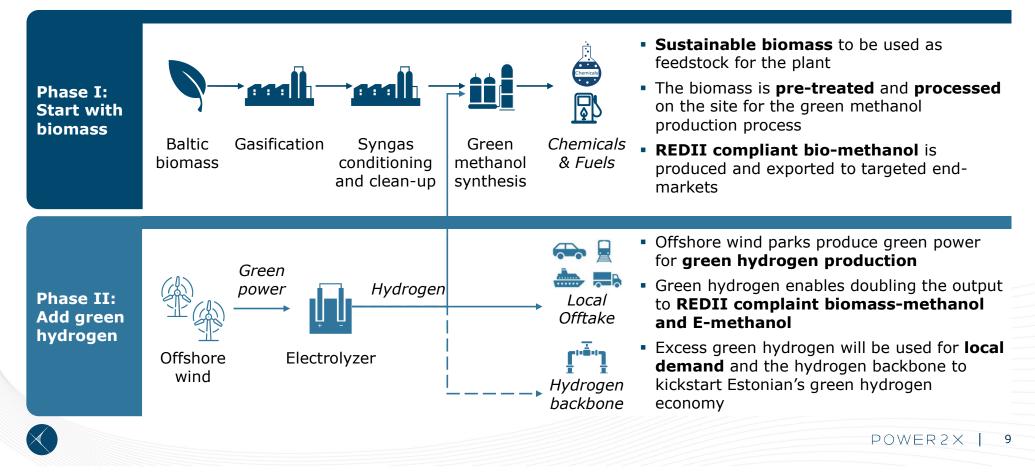
Power2X presents a keystone green Methanol plant for decarbonizing fuels & chemicals



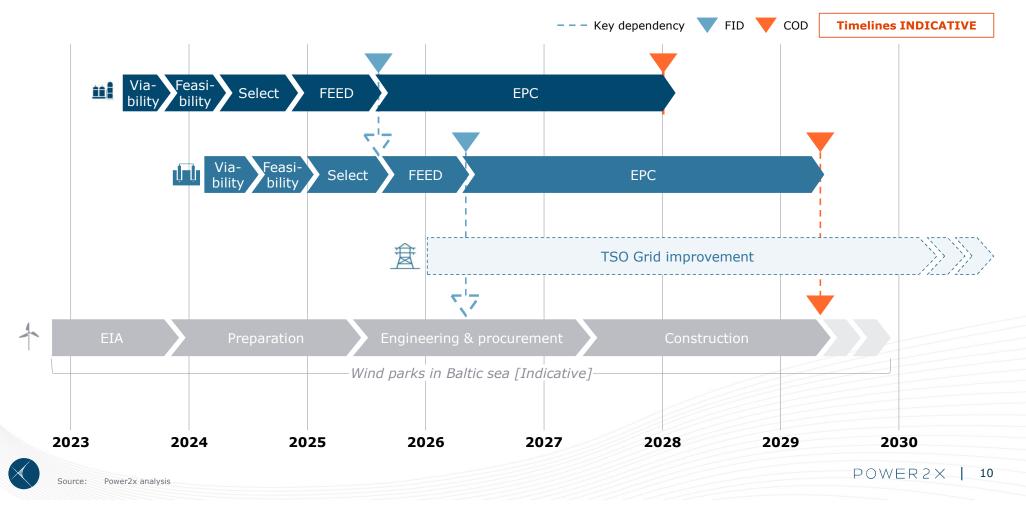
Green methanol will be produced in two phases enabled by biomass in phase I and green hydrogen in phase II

Project Concept

Simplified process diagram



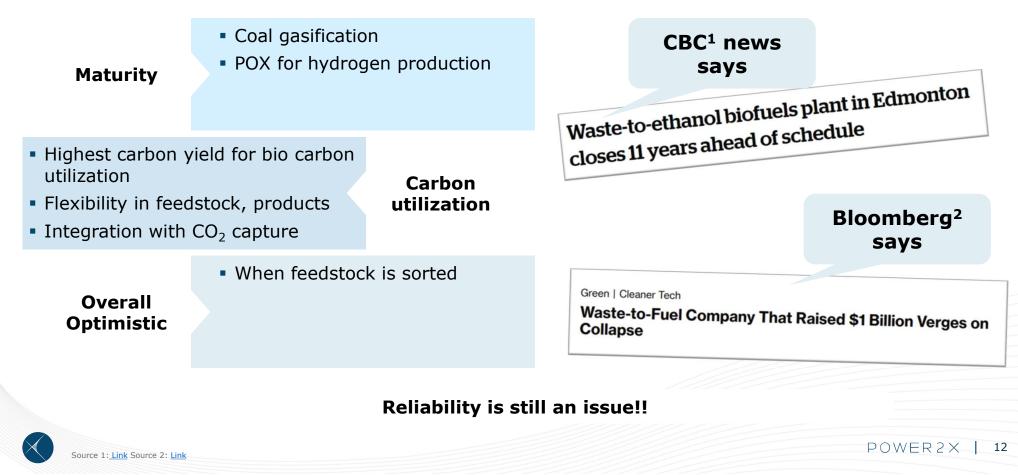
Power2X biofuels to start as biomass-only project, partnering with wind power for second phase





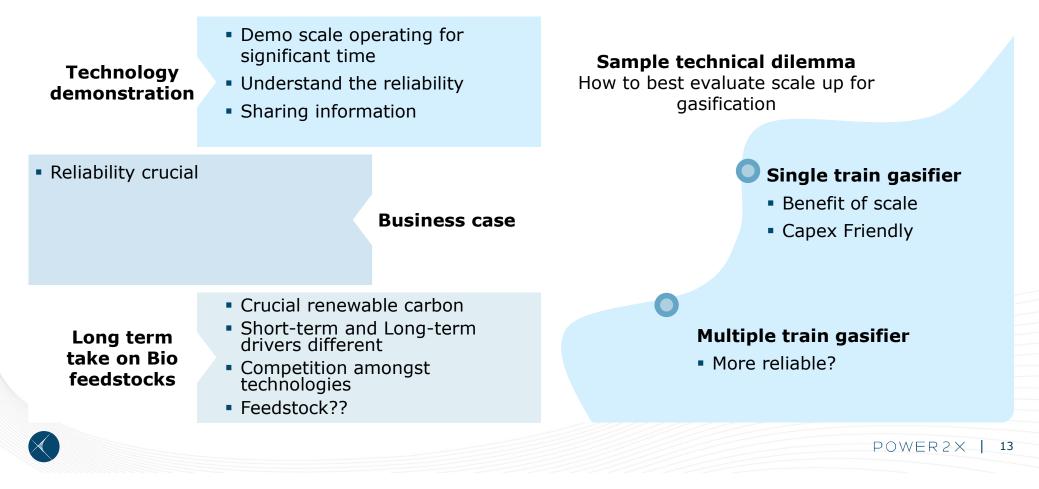
Outlook towards gasification

A mature technology with question marks



Moving the Needle

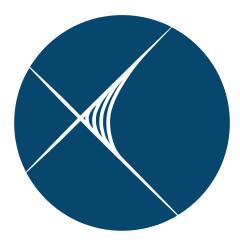
How to improve technology confidence





The perspective of a project developer





POWER2X Leading in energy