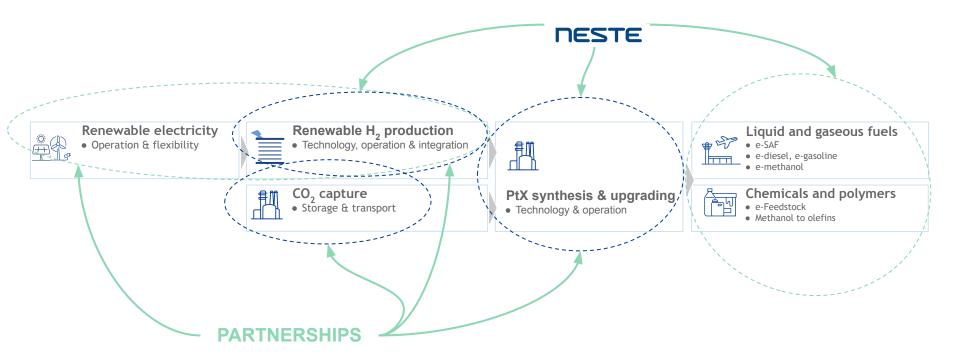
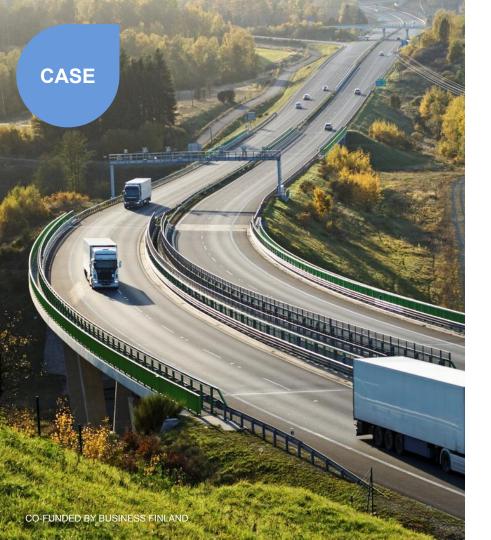




Collaboration is required for scale-up

Strengthening our partnership and networks across the value chain in the business platform Power-to-X









Conversion of captured CO₂ to fuels and chemicals

- Small-scale piloting of high-efficiency, cost-effective power-to-liquids production
- Co-Innovation project with VTT and 13 companies from Finnish value chain
- 2021-2023
- EUR 3.3 million







Neste Veturi program PtX status

Project E-Fuel, 2021-2023

Targeting to demonstrate the entire Power-to-Liquids value chain from H2 production until synthetic crude upgrading into jet fuel during 2023



Long-term tests of solid-oxide electrolysis completed System design work finalized for pilot operations



Continuous operation of the synthesis unit completed successfully New reactor design initiated

Novel catalyst material development ongoing

Infrastructure and automation construction work started at Bioruukki First risk assessments completed



System model and analysis environment building to forecast impact of varying operational setups - tool to support decision making

Project SynJet, 2022-2023



Syngas to C4 olefins and to fatty alcohols as active intermediates are being addressed by catalytic experiments and computational catalysis. Results allow evaluation of new conversion pathways that could challenge more established ones. Tentative for SAF but also for new materials. NESTE

