



Helsinki City Refinery

The joint venture of Helen, L&T and VTT

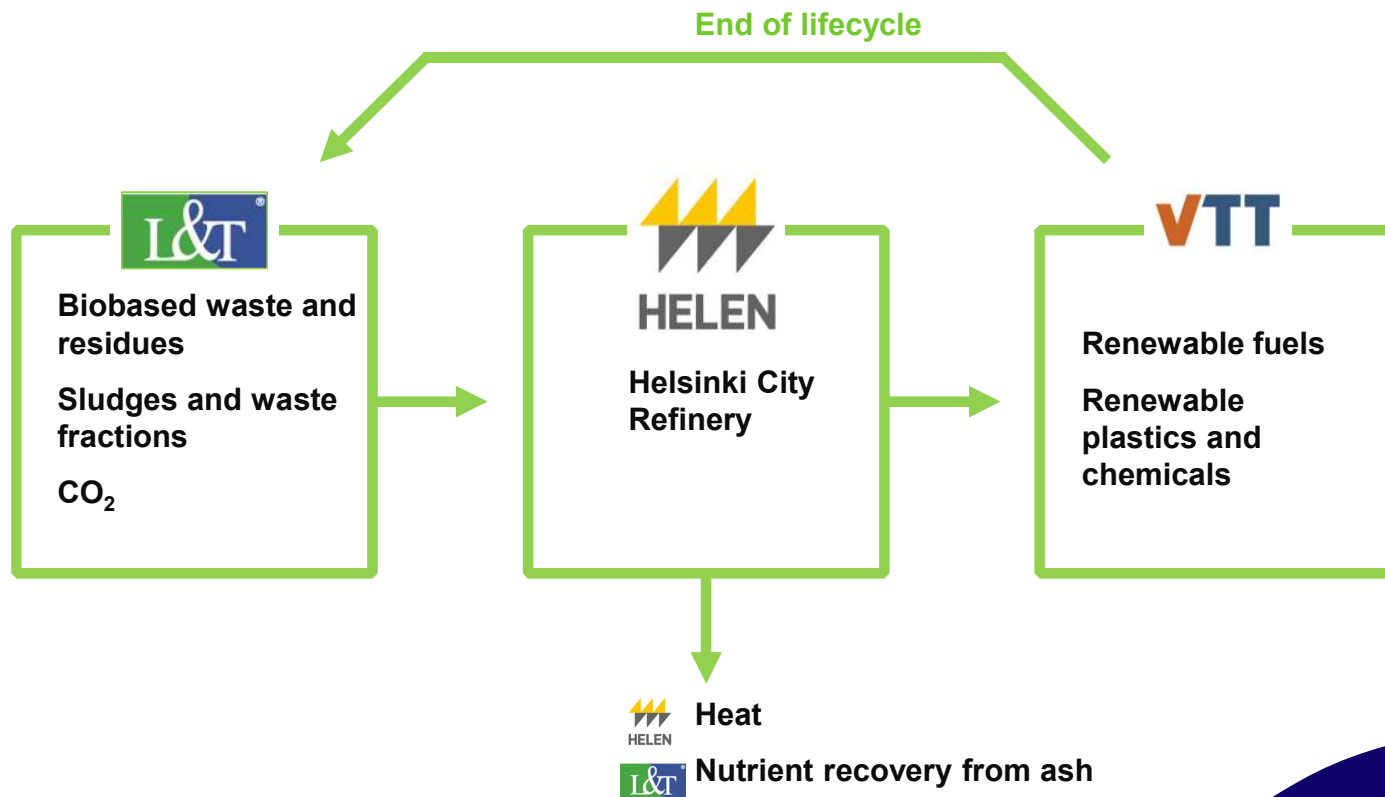
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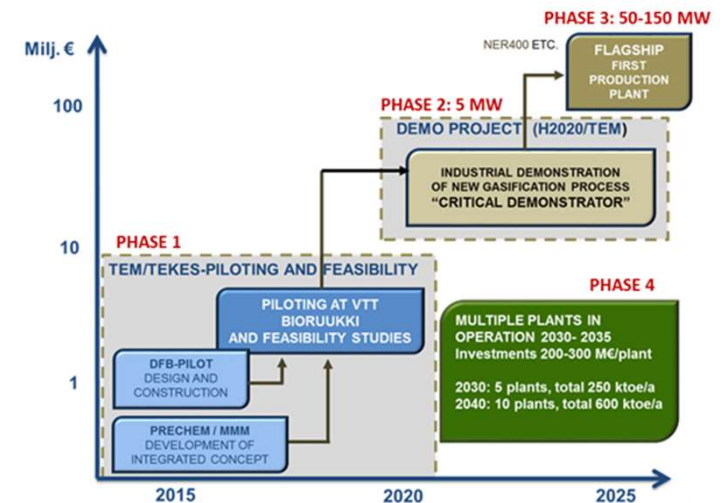


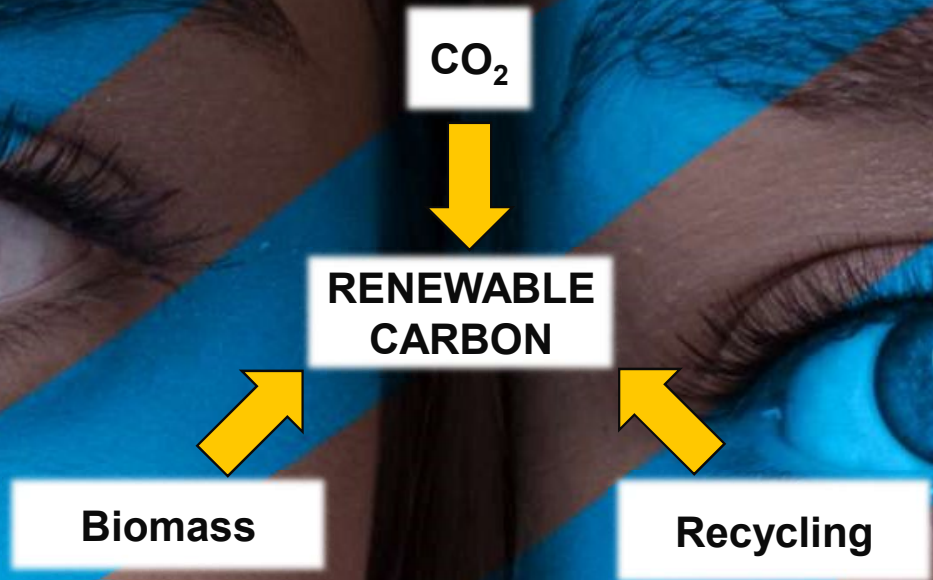
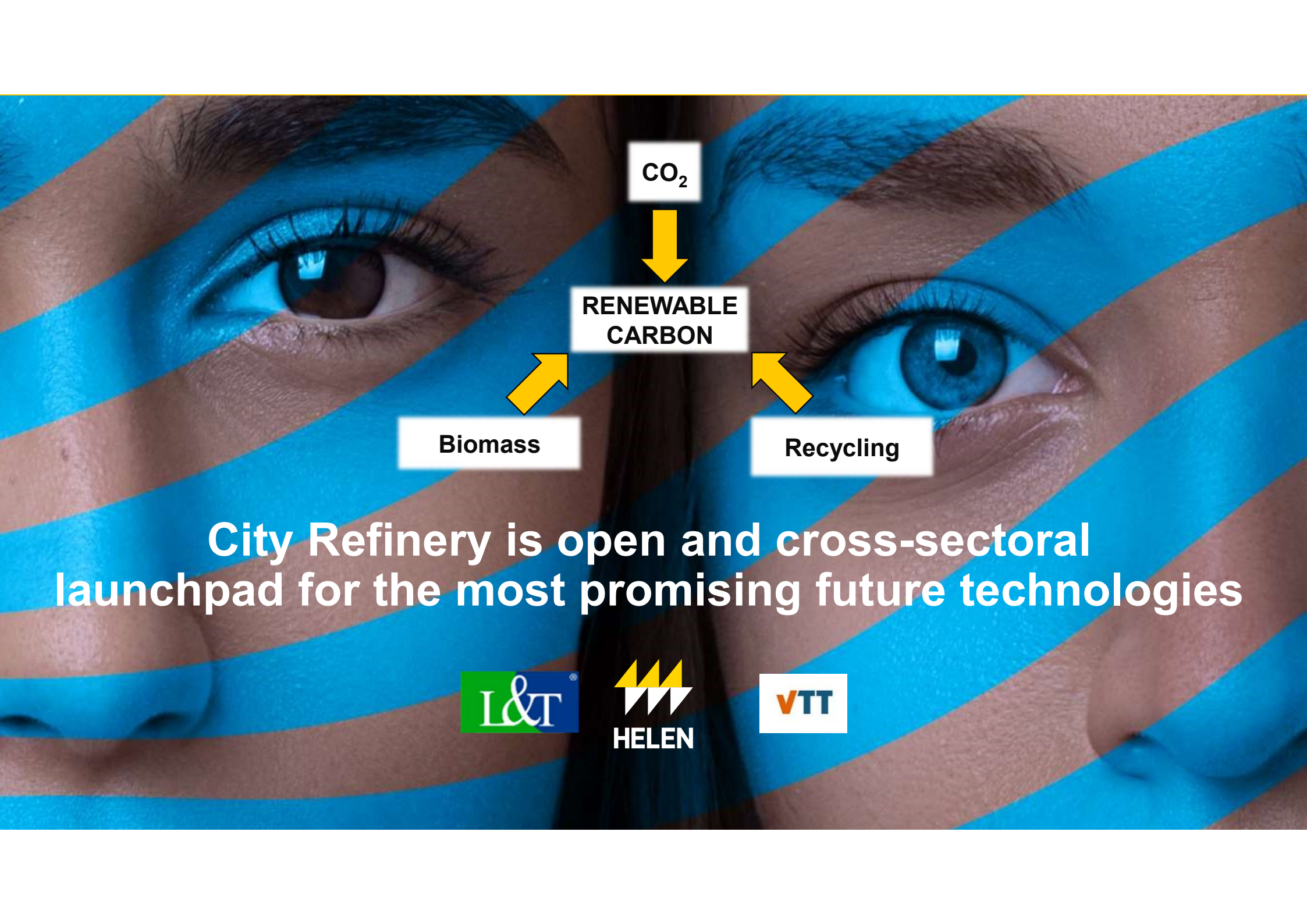
Joint Venture



- Joint venture is consisted of three different stages (phase 2-4):
 1. Bioruukki: VTT owned piloting template for advanced material streams and technologies

 2. City Refinery: Demonstration plant (5 MW) creates a strong reference case of the Finnish technology and circular economy knowhow
 - The scale is suitable for pre-industrial demonstration of various different synthesis technologies (e.g. P2x, CCU)
 3. Scale-up to first production plant (~100-150 MW) brings in the industrial scale reference and feasibility for the selected technology
 4. Commersalisation of the most potential technology





City Refinery is open and cross-sectoral launchpad for the most promising future technologies

