

Session Title: Biorefinery

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Abstract title: Efforts in Europe and the United States, Biofuels

St1 Cellunolix® process is producing bioethanol as a main product, but also lignin, turpentine, furfural, concentrated fermentation rank and CO₂ from the softwood sawdust at the demonstration plant site in located Kajaani, Finland. The name plate capacity is 10 ML of bioethanol and the CO₂ reduction compared to the fossil fuels is over 60 %. To fulfil the biofuels blending mandates St1 is preparing to start the HVO production in the Gothenburg oil refinery and planning of the next 50 ML lignocellulose bioethanol plant in plant is already at the final stage.