

The connection between renewable Carbon and renewable energy

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Society needs chemical building blocks, currently all based on fossil carbon. The chemical and energy industries have embarked on a journey to use waste, biomass, CO₂, renewable electricity etc. as feedstock. New and existing technologies in the advanced chemical recycling space make it possible to produce these building blocks from renewable alternatives.

Through developing the next generation of chemical recycling, product streams can be produced to make full carbon circularity possible. BioBTX has developed its ICCP technology via which it can produce a myriad of valuable drop-in chemicals, such as benzene, toluene, xylene and other chemicals out biomass and via recycling.

Simultaneous with the transition towards renewable carbon for chemicals, the energy sector is shifting towards electrons, via e.g. lithium-ion batteries. Together with two partners renewable graphite was produced for the use as anode materials in batteries. The presentation will focus on the new innovative approach towards renewable graphite production and the possibilities advanced chemical recycling bring to the overall carbon supply chain.

