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Carbon Recycling Platform

Kiverdi is commercializing new sources of amino acids, proteins, oleochemicals, and specialty oils derived from CO₂ and other carbon resources, using its proprietary Carbon Recycling Platform. Kiverdi's technology is able to produce a diverse range of high value, bio-based amino acids, mid and long chain fatty acids, proteins, triglyceride oils and hydrocarbons, to serve important markets.

Kiverdi's technology and approach targets the rapid development of scalable bioprocess modules to transform carbon dioxide and other carbon resources into bio-products. Unlike most biological CO₂ capture and conversion technologies, the Kiverdi technology utilizes an understudied class of microorganisms called hydrogenotrophs. Through the Kiverdi process we're able to provide a sustainable alternative to environmentally damaging practices, while supplying a solution to the protein and bio-based oil demands of tomorrow. Industry challenges and advantages to this approach will be presented and discussed.