

Photanol has developed a 4th generation biochemicals technology that can directly convert CO₂ into valuable organic chemicals such as biofuels, bioplastic building blocks, essential oils, sugars and many others. We have completed three years of pilot work with our lactic acid technology and we will be entering our next phase of upscaling beginning in 2017. During this talk we would like to inform you on the current developments of our technology and the future roadmap.

The Photanol concept uses customisable cell factories: engineered cyanobacteria that turn CO₂ directly into products in the most efficient process possible.

By introducing genes of fermentative bacteria into cyanobacteria (naturally photosynthetic) we can produce high purity chemical compounds with no supply chain volatility and none of the food for chemicals issues. Our cell factories need only: light, water and carbon dioxide.

- Reduction of CO₂ footprint
- No supply chain related price volatility
- Price competitive