Session	Start-ups/SMEs looking for Finance: Series A and Series B/C Funding
Title	Biotech for Biopolymers (FDCA for PEF)
Company	Tasseikan B.V.
Speaker	Marc Lankveld
Keywords feedstock (max 2)	Sugars, HMF
Keywords technology (max 2)	Biotechnology, Precision Fermentation
Keywords End-Product (max 2)	FDCA, PEF

Abstract:

Tasseikan develops a biotech route to make FDCA from sugars. FDCA can be used as building block for polymers like PEF. PEF is targeting the PET market, #3 fossil based plastic used worldwide, volume ~100 million ton (>$200 billion). PEF has better performances to preserve food, beverages and prevent waste.

Current challenge for market introduction of PEF is the availability and high manufacturing cost price of FDCA. Tasseikan's biotech route to make bioFDCA has unique features enabling lower cost price of FDCA:

- High yield on feedstock (close to 100% on HMF intermediate)
- High selectivity leads to vitually no by-products , lowering product purification costs
- Feedstock flexibility, greater tolerance to impurities in feedstock (lower feedstock costs)
- Mild process conditions , lowering CAPEX/OPEX, easing permitting for FDCA plants

Tasseikan is leveraging on its 15 years of experience in the company on market and technical development, speeding up the upscaling process, marketing and sales.

Current financing round (7 mio euro) is focussing on upscaling and further market development. Next funding round will be to fund pre-industrial plant of approximately 100 tonnes per year.

Tasseikan collaborates with Technip Energies, a world class engineering company, to sell licenses and develop the value chain of sugar – FDCA – PEF.