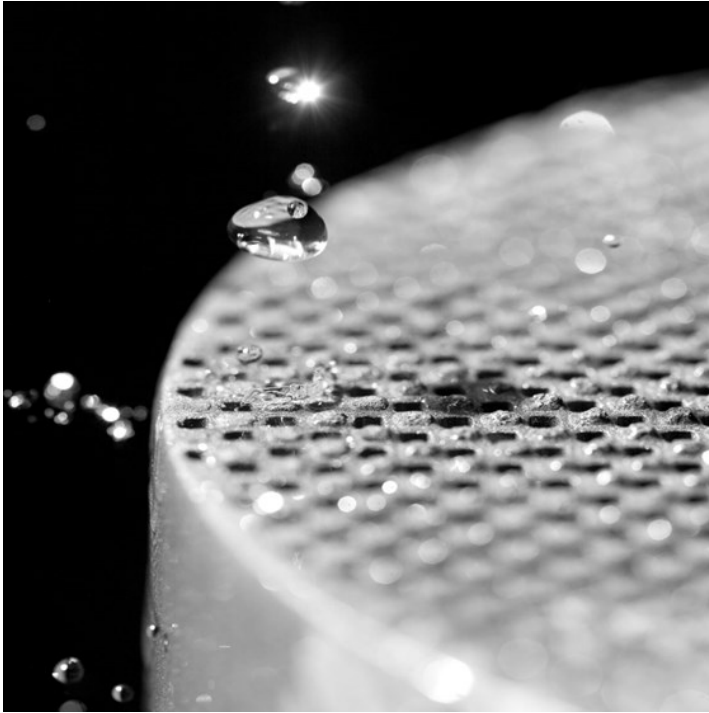


AMASING

Further development of the LiqTech
SiC membrane



AMASING

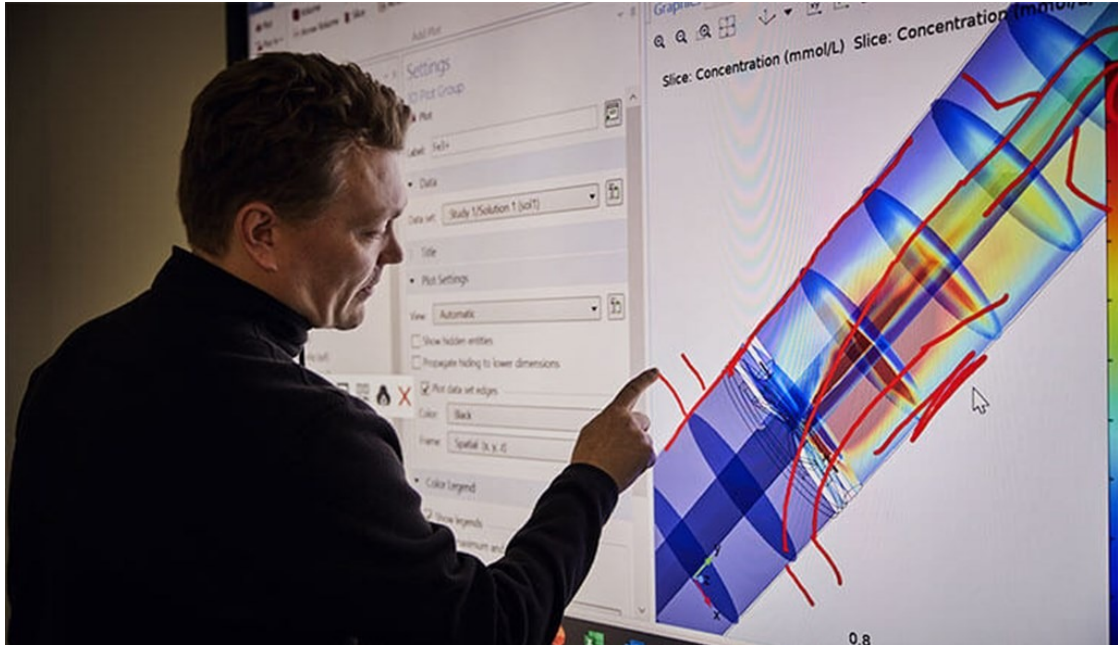
AMASING: Ceramic, high-flux microfiltration membrane.

The objective of the project is a further development of the LiqTech SiC membrane. Together with our partner, the Technical University of Denmark, ceramic engineering and science, the project aims to remove roughness and macropores in the membrane layer by optimizing the dispersion and stabilization of SiC powder in the aqueous suspensions.

Furthermore, it aims at understanding the relationship between the surface chemistry of the SiC powders and the membrane and the relation between the surface chemistry of the membrane and its microporosity, filtration efficiency (cut-off), and tendency to foul.

For membrane testing, LiqTech is collaborating with a Chinese partner working in the biopharmaceutical industry.

LiqTech produces advanced ceramic membranes made of silicon carbide (SiC). AMASING aims to create a tighter membrane that would improve membrane performance.



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