



Session	Start-ups/SMEs looking for Finance: Series A, Series B/C
Title	BioSolutions for Decarbonization
Company	ALGIECEL A/S
Speaker	Susanne Palsten Buchardt
TRL	TRL 4 - 7
Keywords feedstock (max 2)	Microalgae, CO2
Keywords technology (max 2)	Photobioreactor
Keywords End-Product (max 2)	Marine ingredients
Abstract:	
ALGIECEL is a BioSolutions company producing high-quality marine microalgae-based ingredients - including whole biomass, oils, and protein concentrates - for food, feed, and cosmetics. As a scalable omega-3 alternative to fish oil, we reduce reliance on overfished marine resources while delivering functional, traceable ingredients for human and animal applications. Today's food value chain is under pressure from climate impact, volatile marine-derived supply, and a structural gap between demand for low-footprint biosolutions and the industrial capacity to deliver them at scale. ALGIECEL aims to close that gap. Our modular photobioreactor platform is deployed at biomethane sites, where we convert CO₂ into whole biomass, oils, and protein concentrates using minimal land and water in a circular production system. This enables sustainable and scalable supply, independent of wild fish stocks, helping ease pressure on marine ecosystems. We target the functional marine ingredients market, valued at EUR 4.5 billion. We are currently in our demonstration phase, with our PBR module being commissioned at Novonesis in Denmark, validating unit economics ahead of commercial-scale deployment from 2027. By combining consistent quality, industrial scalability, and low environmental footprint, ALGIECEL enables customers to integrate sustainable ingredients into their products and strengthen both performance and sustainability claims.	