



Session 4	Start-ups/SMEs looking for finance - pre-seed/angel/seed funding
Pitch Title	Sustainable, profitable, scalable, seaweed supply chain
Company	Alga (Seaweed) Ltd (Redrose Developments Ltd)
Speaker	Ann Ruddy
Keywords feedstock	Macroalgae – Red – Green – Brown
Keywords technology	Patented Technologies - Innovation Ocean Friendly - Economical Societal Impact - Environmentally Positive - Commercially Validated - Global
Keywords End-Product	Hydrocolloids Functional Bioactives Micronutrients Fructose and Glucose Maltitol Amino Acids • Serine • Alanine • Valine • Fucoidan
Abstract:	
<p>Alga offers a comprehensive, sustainable, profitable and scalable seaweed supply chain solution through a two-stage system. Firstly, providing a towable, pre-seeded modular seaweed farm turning fishers into become ocean farmers. Secondly, our low-capex micro-processing units significantly increases the volume and value of seaweed.</p> <p>Seaweed cultivation is vital to meet growing demand across sectors like food and feed, yet large-scale farming is expensive and risky. Our modular approach reduces these risks, allowing global fishing communities to enter the seaweed economy. Seaweed requires no land or freshwater and offers high nutritional value. Fishers lease pre-seeded units to grow native seaweeds, contributing to this growing industry. Our adaptable units, tested in extreme weather, suit various ocean conditions and species.</p> <p>Efficient, timely processing is crucial to capture seaweed’s bioactive compounds. Owner-operated micro-processing units attract rural coastal workers, promoting economic growth and sustainability. Stabilising the seaweed’s functional ingredients, we preserve their value. Clustered in groups of 10, these systems produce daily outputs, maximizing the value from each plant and ensuring quality before distributing key compounds across sectors.</p> <p>Our innovative, two-step system combines sustainability, profitability, scalability, and quality assurance, benefiting the environment and society while meeting commercial demands in a circular, inclusive supply chain.</p>	