



Blue BioTech Shoalhaven is an industry group that has been established to promote innovation and the capability of our member businesses in aquatic biotechnology - from growth through to processing. Venus Shell Systems is a producer of premium, traceable and tailored seaweed biomass and a founding member of Blue BioTech Shoalhaven.



Venus Shell Systems

Producers of premium, quality controlled seaweed biomass



ABOUT VENUS SHELL SYSTEMS

Venus Shell Systems cultivates premium, traceable and tailored seaweed biomass. Venus Shell Systems sequester clean CO₂ and nitrogen, balancing our ecosystem, while delivering a nutritionally rich food source. The seaweed biomass that is produced has important protein, marine Omega oils, pigments and minerals from the ocean. Further, Venus Shell Systems seaweed gels are at the frontier of future biomaterials.

WHAT WE OFFER

Venus Shell Systems have developed PhycoLAB™, a proprietary production process. It is one of the world's only sustainable seaweed production processes that can deliver biomass consistency and quality, time and again.

Venus Shell Systems' bioactive sulphated polysaccharide is strictly quality controlled from the species through to biomass production and purified extractions. This makes consistency, reliability and traceability of the seaweed extracts a reality for processors seeking to deliver high value products including nutraceuticals and pharmaceuticals.

Venus Shell Systems has one of the only seaweed production processes that can tailor and deliver consistency in the biomass composition.

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COMPANY HISTORY

Venus Shell Systems is an Australian company with a background in sustainable marine ecosystem research and health science. The company was founded with the vision to contribute this combined knowledge to the global journey of sustainable coastal communities and products that address global health challenges.

OVERVIEW OF SERVICES

Venus Shell Systems is setting global benchmarks with its new PhycoPRO™ range of seaweed products for food, digestive and skin health applications. The PhycoPRO™ range includes PhycoGreen™, PhycoDigest™ and PhycoDerm™.

PhycoGreen™ is a functional food grade ingredient with high nutritional and bio-functional properties and can be used as an ingredient for bespoke formulations and supplements.

Beyond the renowned nutritional benefits of seaweed, certain compounds have also been shown to help improve the digestion process. PhycoDigest™ offers proven bio-functional properties that can contribute to both metabolic and digestive health. Preliminary trials have demonstrated the potential for prebiotic activity of the controlled extract. Human clinical trials for gut and metabolic health are currently underway.

PhycoDerm™ is the direct result of the collaboration of a number of Blue BioTech member companies. Research is showing compelling evidence of efficacy everywhere from topical skin cancer treatments and wound healing, to preventative skin care health. PhycoDerm™ is rich in L-rhamnose which is known to be particularly important for skin pathologies with anti-inflammatory activities, reducing bacterial adhesion and protection from skin stressors.

COMPANY CREDENTIALS

Venus Shell Systems has a track record of science and technology with evidence based research published across the peer reviewed scientific literature. Venus Shell Systems has applied this science and technology, coupled with practical experience and know-how, to develop processing methods capable of generating commercial quantities of high quality and traceable seaweed biomass.

CONTACT DETAILS

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OPPORTUNITY
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