



BPH GLOBAL LTD  
ACN 009 104 330

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Company Announcements Platform  
Australian Securities Exchange

## Seaweed Consultancy renewed – Focus on Blockchain, carbon credits and AI to drive R&D program

### Highlights

- **Blockchain technology**: focus on sourcing and deployment of blockchain technology to facilitate:
  - biological integrity and sustainability of seaweed cultivation and processing; and
  - the development of an accreditation methodology for the issue of blue carbon credits
- **Artificial Intelligence technology (AI)**: Continued focus on AI to enhance critical mineral and nutraceutical identification and extraction
- **Essential Mineral and Nutraceutical extraction**: Fermentation and Phycomining techniques to unlock essential minerals and nutraceuticals
- **Biohydrogen Extraction**: Production of biohydrogen/biogases as a natural by-product of fermentation
- **Commercialisation**: commercialisation opportunities to drive R&D strategies
- **Consultancy Agreement Renewed**: two (2) year agreement with Gaia Mariculture
- **Expanded R&D role**: Gaia to conduct R&D and to oversee out-sourced R&D projects

The Board of BPH Global Ltd (ASX: BP8) (**Company**), is pleased to advise the re-appointment of Gaia Mariculture Pte Ltd (**Gaia Mariculture**) as the manager of the Company's research and development programs (**R&D Programs**). Pursuant to the renewed consulting agreement, the Company's wholly owned, Singapore-based subsidiary Stemcell United Pte Ltd (**BP8 Singapore**) has engaged Gaia Mariculture as a to manage the BP8 Group's R&D Programs (**Consulting Agreement**).

### **Consulting Agreement**

Pursuant to the Consulting Agreement, Gaia Mariculture will provide:

- **Out-sourced Research**, being the R&D that has been or will be outsourced by or on behalf of the BP8 Group to a third party to be conducted by that party under the supervision of Gaia; and.
- **In-house Research**, being the R&D to be undertaken directly by Gaia.

Out-sourced Research comprises the following services which the BP8 Group is seeking to out-source to third parties:

- **Sourcing, development and deployment of Blockchain technologies:** sourcing, development and/or acquisition of blockchain technologies and their deployment to:
  - provide biological integrity and traceability and to promote sustainable farming of seaweed; and
  - enable the measurement of carbon capture and storage by seaweeds to facilitate the creation of an accreditation scheme for the issue of blue carbon credits;
- **Phycomining to unlock nutraceuticals and critical minerals:** conduct of a feasibility study on the efficacy of deploying Phycomining techniques (the use of aquatic hyperaccumulator biomasses to bioaccumulate higher concentrations of metals in seaweed cultivated in seawater) to:
  - determine whether levels of metals that are found in seaweed occur in natural quantities or in unnaturally high concentrations when the seaweed is cultivated in polluted waters; and
  - develop techniques to recover valuable metals from the seaweed biomass;
- **AI Genetic Algorithm:** continued development of an AI generated genetic algorithm to enable machine determination of variations in seaweed genomes to be applied to seaweed breeding and gene editing;
- **AI-enhanced extraction:** development and deployment of AI driven imaging technology to further enhance essential mineral identification and isolation so as to increase the effectiveness of phyto-hydrometallurgical techniques to extract essential minerals from seaweed; and
- **Additional scope:** any additional or related service relating to a project outsourced to a third party reasonably requested by the BP8 Group and agreed by Gaia from time to time.

In-house Research comprises the following services to be provided by the Gaia to the BP8 Group:

- **Germplasm Seedbank (pristine waters):** continued development of the existing germplasm seedbank for deployment in pristine waters;
- **Germplasm Seedbank (polluted waters):** development of an additional germplasm seedbank dedicated to different strains and species of seaweed which have a high critical mineral content and which can grow successfully in waters polluted by heavy metals;
- **Precision Cultivation Systems:** continued development of the BP8 Group's proprietary technical production technology which includes desired seedlings, nutrient formulation and standard cultivation system implementation processes;
- **Fermentation to unlock nutraceuticals and critical minerals:** continued development of the fermentation (Anaerobic Digestion) process of extracting nutraceuticals and critical minerals, based on a non-pyrolytic/low heat process;
- **Production of biohydrogen/biogas as a natural by-product of fermentation:** development of the BP8's ability to produce biogases, principally biohydrogen and biomethane as a by-product of the fermentation process; and
- **Interns:** consulting and advice in relation to the recruitment, engagement and supervision of interns appointed by the Company to work on the R&D Projects;
- **Reporting regime:** run the Research Projects using the student interns engaged by the BP8 Group, and report results and outcomes of the Research Projects to the BP8 Group on a monthly basis; and
- **Additional scope:** any additional or related service reasonably requested by the BP8 Group and agreed by Gaia from time to time.

The initial term of the Consulting Agreement is two years from the effective date (1 December 2024). The Consulting Agreement can be terminated by either party on the giving of thirty (30) days' notice.

As with the previous agreement, the renewed Consulting Agreement requires that the services to be provided Gaia are overseen exclusively by Mr Alan Lee. In consideration of Gaia providing the consultancy services, BP8 Singapore will pay Gaia SGD5,000 per month. BP8 Singapore will conduct a performance review of Gaia provision of the services on 1 July 2025.

For further information, please visit our website at [www.bp8global.com](http://www.bp8global.com) or contact:

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This announcement has been approved for release by the Board of Directors.

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