



BPH GLOBAL LTD
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Company Announcements Platform
Australian Securities Exchange

BPH Global Finalises Updated “Project 6–7” R&D Program Focused on Gold and Silver Recovery from Seaweed

Highlights

- Updated “6–7 Project” R&D program for calendar years 2026–2027 finalised following comprehensive internal and external technical review
- Review conducted in consultation with Gaia Mariculture, the Company’s R&D advisory board member, and senior mining industry executives
- R&D focus narrowed to gold and silver extraction from seaweed to accelerate commercialisation pathways
- Strategy informed by previous assays demonstrating significant gold and silver accumulation in naturally growing seaweed harvested from the Johor Strait (see ASX announcement 7 March 2025)
- R&D program to continue in two parallel streams:
 - Seaweed harvesting and assays of material collected from polluted waters
 - In-house and collaborative research on gold and silver extraction methodologies
- New seaweed samples to be harvested from coastal waters adjacent to a mining site in southern Malaysia and submitted for assay next week as the Project 6–7 progresses

The Board of **BPH Global Ltd (ASX: BP8) (BP8 or Company)**, a leading commercial seaweed research, development, and export company, is pleased to announce that it has finalised an updated research and development (**R&D**) program for the 2026–2027 calendar years under the “**Project 6-7**”. This program will focus on the measurement of precious metal content, extraction, and potential commercial recovery of precious metals—specifically gold and silver—from seaweed biomass.

Review of R&D Activities to Date

The updated program follows an internal review of the Company’s seaweed mineral content and extraction R&D work undertaken to date. The review was conducted in consultation with the

Company's R&D consultant Gaia Mariculture Pte Ltd, Ifat Mazouz, (a member of the Company's R&D advisory board, and experienced mining industry executives.

Since late 2024, BP8 has undertaken a broad assay program designed to assess the capacity of seaweed—particularly *Sesuvium portulacastrum*—to bioaccumulate a wide spectrum of precious metals, critical minerals, and rare earth elements (REEs). This work has included laboratory cultivation trials (Phase 1) and naturally occurring seaweed sampling followed by ICP-MS analysis conducted by both academic and commercial laboratories (see [ASX announcements 7 March 2025](#), [4 September 2025](#), [14 October 2025](#) and [22 October 2025](#)).

While this broad approach successfully demonstrated seaweed's ability to hyperaccumulate multiple elements, the Company has now determined that, from an extraction and commercialisation perspective, it is in BP8's best interests to narrow its R&D focus.

Strategic Refocus on Gold and Silver

Following the review, the Company has resolved to prioritise efforts to identify, separate, and extract gold and silver from seaweed biomass.

This decision has been informed by earlier assay results, including those announced on 7 March 2025, which reported significant gold and copper results and previously identified silver accumulation in seaweed harvested from the Johor Strait. Those results supported BP8's working hypothesis that seaweed can act as a biological accumulator of precious metals in mineral-rich environments.

Additionally, research suggests that gold and silver often present in biological tissues as micro- and nano-scale particles, which may have relevance beyond conventional commodity markets. Micro and nano particulate forms of precious metals are of increasing interest to advanced materials and pharmaceutical industries, where nanoscale gold and silver are used in applications ranging from nanomedicine and targeted drug delivery to antimicrobial and diagnostic technologies (see, for example, peer-reviewed literature on biomedical applications of nano-gold and nano-silver).

Gold and silver are globally traded, high-value commodities with well-established downstream markets, making them attractive targets for the development of scalable, bio-based recovery processes.

Structure of the 2026–2027 R&D Program

The updated R&D program will continue to be structured around two complementary workstreams:

- **Seaweed Harvesting and Assay Program:**

The Company will continue harvesting seaweed cultivated and/or growing naturally in polluted waters. These efforts will focus on:

- The Johor Strait in Malaysia, where previous sampling demonstrated elevated precious metal content; and
- Additional inland and coastal waterways in Malaysia impacted by industrial and mining activity.

The Company may also consider expanding sampling operations into polluted waterways in Indonesia, subject to permitting and logistical considerations.

Assays will be undertaken by Marchwood Laboratory Services Pte Ltd and may also be conducted by other private or tertiary institution service providers as the Company may choose. All work will use advanced analytical methods such as ICP-MS to quantify gold and silver concentrations to support technical development and benchmarking.

- **Extraction and Processing Research**

In parallel, BP8 will continue its in-house research and collaborative work with universities and other academic institutions to evaluate and optimise potential extraction methodologies for gold and silver from seaweed biomass.

This work will include further investigation of pyrolytic processing techniques, as mentioned in previous Company announcements, alongside alternative chemical and thermal separation methods aimed at improving recovery efficiency and economic viability.

Chairman's comment

Commenting on the updated program, BP8 Chairman Paul Stephenson said: Project 6–7 represents an important evolution of BPH Global's R&D strategy. After extensive assay work across a broad range of elements, we now have a clearer understanding of where the strongest commercial and technical opportunities lie.

By focusing on gold and silver extraction from seaweed biomass, we can direct our resources toward refining extraction methodologies and advancing scalable, environmentally responsible recovery solutions. The next phase of work—especially in mineral-rich coastal environments adjacent to mining activity—will be critical to validating this approach and unlocking future commercial applications.”

Next steps

Gaia Mariculture will commence harvesting seaweed growing naturally in coastal waters adjacent to a mining site in southern Malaysia. These samples are scheduled to be delivered for assaying next week as the 6–7 Project progresses.

The Company will continue to update the market as results are received and as the program 6–7 advances.

This announcement has been authorised by the Board of Directors.

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For further information, please visit our website at www.bphglobal.com or contact the Company Secretary on 03 9088 2049.

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