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ASX Announcements

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## MARKET UPDATE

Following recent changes to the structure of the board, Purifloh (Purifloh, PO3 or the Company) is pleased to provide an update on status and operations.

As has been advised to the market, during the past 12 months the Company has engaged with large scale multinational corporations and has received valuable feedback from these organisations. However, the Covid-19 crisis has created a unique challenge when existing market share has been all important and a commercial outcome has not yet been concluded – though engagement continues.

Most importantly, based on the feedback received from the engagements, important technical enhancements to the Company's product design have been implemented, leading to more robust and complete solutions.

Consequently, the last 12 months development work at the Company's technology partner, Somnio Global, has:

- Simplified componentry with a consequent substantial reduction in prototype manufacturing costs by ~ 70%, together with a reduction in consumable costs of ~ 60%;
- Digitised the power supply, paving the way towards a smarter and target specific generation of purifiers;
- Validated technology through extensive in-house test work that has then been further validated through independent laboratories;
- Upgraded the neutralizer to provide a much longer life, and consequently reducing maintenance requirements and operating costs;
- Assured no harmful emissions of by-products;
- Increased the understanding of the performance against various contaminants – in particular, against Volatile Organic Compounds (VOCs); and
- Provided many different prototypes ranging from automotive air purifiers to room air purifiers. There has been a period of continuous iteration towards market ready solutions.



*Figure 1 Renderings of prototypes*

The Company believes the work completed through its engagements has significantly improved the product. PurifLOH continues to believe that it provides a superior product offering with clear competitive advantages noted below:

- Utilises three powerful oxidising ingredients known for disinfecting and purifying. The treated air is simultaneously subjected to Electron streams, Free Radicals and high intensity UV. As all three oxidisers are employed simultaneously, they provide for superior disinfection and purification at low power consumption levels;
- Versatility allows for use of the same setup for generation of substantial levels of powerful short-lived surface disinfecting free radicals with the speed and efficacy;
- Not affected by the air humidity and can operate in conditions of up to 100% humidity. HEPA filtration and other popular air purification technologies are severely affected by both low and high relative humidity conditions;
- Air is treated within the reactor itself, not requiring the release of any purification agents into occupied spaces;
- Able to sanitize air, water, and surfaces with the same platform technology;
- Provides a single stage of treatment that precipitates particles, decomposes VOCs and odours and destroys microbes simultaneously; and
- Ensures killing of the pathogens rather than collecting them on a filter.

### **PurifLOH's Future**

The lessons from the last 12 months have directed PurifLOH to also view business to business (B2B) sales as a parallel model. The B2B model provides a more controlled environment where PurifLOH's technology may be more fully appreciated and explored. This model is also brand agnostic providing for superior returns. As prefaced above, prototypes have already been finalised to commence immediate marketing activities.

To that end PO3 has commenced work with suitable industry partners in Australia. Work is commencing on the final design and componentry, whilst utilising the pilot prototypes manufactured by Somnio Global to target key markets, such as:

- Hospital, health care, medical centres, nursing homes and other ancillary high use medical areas;
- Educational facilities – schools, universities, childcare;
- Corporate offices – buildings and office structures
- Gathering facilities – banquet halls, auditoriums, hotels, religious halls;
- Transportation – mass transit, ride share;
- Mining industry with its large number of interchangeable camp rooms.

PO3 will also reactivate work on the potential for water treatment and surface sanitation as a matter of priority. The work completed by PurifLOH in its drive towards commercialisation in the air purification sector through the last 12 months will be invaluable to the fast-tracked development of field use prototypes in these sectors.

PurifLOH expects to be in a position in the near future to provide further clarification of its activities and the capabilities of the technology. The execution strategy of the Company will include the engagement of industry relevant experts.

**This ASX report is authorized for release by Mr. Simon Lill (Director)**

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**Forward-Looking Statements:**

*This update may contain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These statements are based on the current beliefs and expectations of the Company's management and are subject to significant risks and uncertainties. Actual results may differ from those set forth in the forward-looking statements. The Company's actual results could differ materially from those described in the forward-looking statements depending upon various factors. Other than as required under United States securities laws, the Company does not undertake to update the forward-looking statements to reflect the impact of circumstances or events that may arise after the date of the forward-looking statements.*