



22 March, 2011

## **BAR MONITORING SYSTEM FEATURED IN THE MAGAZINE OF SWINBURNE UNIVERSITY OF TECHNOLOGY**

Cortical Dynamics Ltd an investee of BPH Energy Limited [ASX: BPH] is pleased to announce that a report on the Company's Brain Anaesthesia Response (BAR) monitoring unit just been published in the Magazine of Swinburne University of Technology. With permission from Swinburne Magazine, of Swinburne University of Technology <http://www.swinburne.edu.au/magazine/>, a copy of the feature, which was published as a lift-out in Monday 21<sup>st</sup> March Financial Review and also on Thursday 24<sup>th</sup> March in The AGE, is attached.

The BAR monitoring system measures a patient brain electrical activity, electroencephalogram (EEG), to indicate how deeply anaesthetised a patient is during an operation via an adhesive sensor applied to the forehead. The BAR monitor is designed to assist anaesthetists and intensive care staff in ensuring patients do not wake up un-expectedly, as well as reducing the incidence of side effects associated with the anaesthetic.

The BAR monitor improves on currently used EEG monitors by utilising advances in understanding of how the brain's electrical activity is produced, and how it is affected by anaesthetic and sedative drugs. This unique physiological approach enables the BAR monitor to independently monitor the hypnotic and analgesic states, a feature no known EEG based anaesthesia monitors are able to achieve. Objectively monitoring of hypnotic and analgesic state will lead to improved anaesthetic and surgical outcomes, by reducing recovery times and minimising drug costs.

BPH Energy has an interest in the medical devices sector and is currently working towards the commercialisation of the BAR monitoring system for the measurement and monitoring of patient brain activity during anaesthesia as well as in conditions of health and disease. Cortical is working towards listing on the Australian Securities Exchange (ASX).

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