

## Company Update

### Production of Prototype Spectrometer and BRII Grant Status

#### KEY POINTS

- A custom prototype Spectrometer using PSY Spectrometry chips has been developed by PSY and is undergoing final calibration testing prior to field testing with select agricultural customers.
- PSY was not successful in securing a second stage BRII grant for the detection of pesticide residue in aircraft, however the Company continues discussions with the Department of Agriculture relating to the use of the Company's technology.

#### MARKET UPDATE

##### BRII Grant Progress

As announced to the ASX by Panorama Synergy Limited (ASX: **PSY**) (**PSY** or the **Company**) on 18 July 2017, following the successful completion of a Federal Government funded feasibility study on tunable filter technology application for insecticide detection, PSY submitted a next-stage competitive Business Research and Innovation Initiative (**BRII**) grant proposal for \$1M to develop a prototype MEMS-based device for use in working aircraft.

The Company advises that it has been not successful in securing the Stage 2 BRII grant. While the Company's innovative spectroscopy technology was well regarded by the Department of Agriculture, the Department elected to pursue traditional chemical swab based testing for the next stage. PSY executives remain in active dialogue with Department officials about ongoing support of PSY's technology by the Department.

##### Prototype Spectrometer

The Company is pleased to announce the release of PSY's 'P3' prototype hand held spectrometer. The custom device uses the current generation of the Company's Microelectromechanical Systems (**MEMS**) spectrometry chips and has been designed to be forward compatible with future chip releases.



The P3 prototype was designed and developed for PSY in Melbourne by Hydrix, a product engineering business which PSY will acquire under a binding sale agreement (refer to the Company's announcement dated 5 September 2017). The P3 prototype provides a fully-functional, near-commercial version of a field deployable spectrometer. The P3 employs an industry-standard spectrometer / laptop combination to enable a real time 'point and shoot' approach to capturing and accurately displaying spectral response curves from select target materials. The P3 device is undergoing final calibration testing by PSY prior to customer demonstrations in the field.



**ASX Announcement**

**27 September 2017**

**Peter Lewis, CEO of PSY commented:** “The successful development of the P3 prototype enables the Company to shortly commence in-field demonstrations with key agricultural customers, and also provides a reliable real-world platform to fine-tune and demonstrate future MEMS chips. The interest by potential customers in the release of the P3 spectrometer validates the Company’s continued investment in research and development of our MEMS micro-spectrometry platform.

“The unique technical and commercial advantages of the Company’s micro-scale MEMS technologies provide potential widespread application across agriculture, defence, security, medical devices, pharmaceuticals, industrial control processes, and other industries.”

**– ENDS**

#### **Contact Information**

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#### **About Panorama Synergy Limited**

*Panorama Synergy (ASX: PSY) is a technology company focused on the commercialisation of two leading-edge developments in sensor technology: microelectromechanical systems (MEMS) and MEMS-based spectroscopy (micro spectroscopy). The Company’s best-in-class proprietary technology in MEMS sensors provides valuable exposure to the growing multi-billion-dollar MEMS, spectroscopy, sensors and Internet of Things (IoT) markets.*

Learn more at <http://www.panoramasynergy.com/>