

Technical Progress in the Blue Spectrum

Key Points:

- **Low absorption of blue light by latest samples is consistent with the best published results for cerium based material**
- **This is the first of two critical milestones in achieving a high figure of merit for output and control of blue light, as has already been accomplished for red and green light**
- **The next step will be to crystallize the magneto-optic material in order to achieve high Faraday polarization rotation (and switch the light on and off)**

Panorama Synergy Limited (ASX Code: PSY) is pleased to announce its latest development in magneto-optic material that pertains to the transmission of light in the blue spectrum. Having achieved outstanding characteristics for light output and control in the red and green spectrum, the Company needed a magneto-optic material for the blue spectrum with lower absorption than from the composition used for red and green. Testing of its latest samples, specifically engineered for the blue spectrum, has resulted in a low absorption consistent with the best published results for cerium based material.

A critical characteristic for high performance material used in the solid-state, electronic optical switch being developed by the Company is low absorption of light by the magneto-optic nano film to achieve the highest light transmission through the projector. PSY scientists have been working on optimizing cerium based garnets, with a view to minimizing the absorption. The next step will be to crystallize the material in order to achieve Faraday rotation (meaning the ability to turn on and off) and remanence (ability to remember the state the pixel was left in). Both high Faraday polarization rotation and low optical absorption per unit length are vital for achieving a high figure of merit for switch performance.

Panorama Synergy CEO, Terry Walsh said the process for perfecting blue follows the same process that achieved the desired outstanding characteristics in red and green.

"PSY is leading the world in using magneto-optic crystals to process light in the visible spectrum, that is to finely control red, green and blue light. We are delighted with the strong progress we are making in the blue spectrum and, following a series of expert's reports in recent months, are confident that the technology is reaching its full potential" he said.

About Panorama Synergy

Panorama Synergy Limited (ASX:PSY) is an Australian Securities Exchange-listed technology company that is developing and commercialising a breakthrough in photonics that the Company believes has multiple applications for Entertainment, Education, Healthcare and Telecommunications. High Definition 3D cinema projection is the initial target.

The Company believes its proprietary Magneto Photonic Crystal (MPC) is a solid-state, light switching technology that will have significant performance and commercial advantages over current legacy technology, the digital light processing chip that has served the market for over twenty years. With ultra high speed combined with low power consumption and heat output, the Company believes its MPC will significantly enhance performance and user experience in display technologies while reducing costs for the distribution and display of 2D and 3D content.

Panorama Synergy has a solid foundation of development over five years that has resulted in a proven, patent protected, leading-edge technology which provides substantial benefits for prospective commercial partners.

For additional information please visit the Panorama Synergy website www.panoramasynergy.com .

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