



*Tuesday – August 19, 2008*

### **QuintessenceLabs establishes world class quantum optics lab**

**QuintessenceLabs, the leader in quantum communications technology for networking, communications, national security and defence, today announced that it has established a world class laboratory for the commercial development of its quantum cryptographic technology.**

Canberra, August 19, 2008: QuintessenceLabs, the leaders in ultrasecure, untappable quantum communications technology, today announced that it has established a world class laboratory for the commercial development of its quantum cryptographic technology.

QuintessenceLabs leads the world in 2<sup>nd</sup> generation quantum cryptography technology that can protect information in transit with true end-to-end, real-time, one-time pad encryption. Products incorporating our bright laser beam technology can achieve high speed, untappable, ultra-secure communications.

Winners of the prestigious Eureka Prize, QuintessenceLabs' unique team combines world class quantum physicists and security engineers. The new quantum optics laboratory will provide the scientific and engineering teams with the requisite facilities to continue development of the company's high performance quantum cryptographic system. The laboratory is equipped with state-of-the-art optics and electronics, and it is expected soon to be a node on the extensive fibre optic networks that are deployed across the Australian Capital Territory. The company's quantum cryptographic system is slated to enter field trials in mid-2009.

"The establishment of our specialised quantum optics laboratory represents an important milestone in our quest to harness 'frontier of science' technologies towards practical applications", said Vikram Sharma, Chief Executive of QuintessenceLabs, "The advanced capabilities available in the new facility provide our scientific and engineering teams with an excellent platform from which to progress the development of our quantum cryptographic system towards field trials mid-next year".

End

#### *About QuintessenceLabs*

QuintessenceLabs is a leader in quantum communications technology for networking, communications, national security and defence. Our second generation, high performance communications technology makes use of our breakthrough research in continuous variable, bright laser quantum cryptography. Unlike first generation systems, our technology uses off-the-shelf components to deliver lower cost, higher performance, highly robust and scalable quantum security products facilitating ultrasecure, untappable *everlasting* security.

For more information please contact Vikram Sharma :-

Phone: +61 2 6125 9498

Email: [press@quintessencelabs.com](mailto:press@quintessencelabs.com)

Web: [www.quintessencelabs.com](http://www.quintessencelabs.com)

Office: Quintessence Labs, Suite 23, Physics Building #38, Science Road, Australian National University, Acton ACT 0200