



Nanocube Memory Technology Advances

Strategic Elements (ASX: SOR) is pleased to report that an alternative method of building a Nanocube Memory Ink prototype is being optimised with the aim to **reveal significantly enhanced capabilities** of the memory technology.

Due to **very promising** early results, extended time and resources have been allocated for further optimisation of this method and initial testing of the memory technology.

Some of the advanced potential capabilities of the Nanocube technology have not been released publicly by the Company to date due to the patenting and IP process. It is common within the industry for Companies with disruptive technology to operate in 'stealth mode' in respect to certain aspects of their technology until market and IP/patent issues have been addressed.

The memory ink prototype tested at the end of 2015 successfully demonstrated a number of important features that differentiate the Nanocube technology. Backing the UNSW technical team with time and resources to follow through their innovative ideas since the start of 2016 has led to a method that potentially enhances some of the **most technically advanced features** of the technology.

Further optimisation and initial testing will be conducted **over the next 3-4 weeks**. A successful result will enable the Company to demonstrate the enhanced capacity of the technology to future potential partners. The Company will provide information on further developments as appropriate.

Managing Director Charles Murphy said, "We believe the technology is completely different to anything else being developed globally. Its important we continue to back the innovative concepts that the UNSW team propose as they are a globally respected technical team developing a breakthrough technology".

Background

100% owned Australian Advanced Materials (AAM) has an exclusive global licence for the technology from UNSW and has contracted the materials group at the UNSW School of Materials Science and Engineering to assist in developing a nanocube memory prototype, improving the technology and creating new intellectual property.

- Nanocube memory technology is based on RRAM, the type of memory technology forecast to replace flash memory, which is reaching its limits.
- RRAM allows faster, less power hungry, more reliable, cheaper and more scalable memory.
- There are many companies developing different RRAM memory solutions including Micron and Sony.
- However the Nanocube technology has **significant points of difference** - it is **flexible, transparent** and can be fabricated into a **liquid solution** at room temperature outside expensive high-vacuum chambers.
- The obvious fit is Printed Electronics (PE) where chemical, printing and electronic industries have collaborated to create a multi-billion dollar market that will be the future of electronics.
- PE can create flexible, transparent electronics which current semiconductors cannot. PE can also be manufactured using cheap printing methods unlike current electronics made in expensive fabrication plants.
- This creates opportunities to (a) allow device manufacturers to produce flexible products and (b) put electronics in places and on products that have never been able to use electronics before.
- In December 2015 testing results were released clearly demonstrating the potential of the technology.

ASX Listed Strategic Elements Ltd

The Company has a special registration from the Federal Government as a Pooled Development Fund. Most shareholders pay no capital gains tax when they sell their shares in ASX listed Strategic Elements (ASX: SOR).

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