

# SMARTSATCRC

## *Space-enabling Australia*



### NEWS

Welcome to the February issue of the SmartSat CRC Newsletter. There has been a great deal of activity since the last edition— workshops, advisory group meetings and interviews, just to name a few.

As most would know, the final interview took place at Industry House in Canberra on Friday 8 February. The entire team worked tirelessly in preparation for the final interview, with three mock interviews and a full day of rehearsals on 7 February.

All mock panel members provided detailed feedback on the content of the presentation and challenged the team with a range of thought provoking questions.



*A well-deserved team dinner after final preparations were complete*



*"To infinity and beyond!" - Celebrations after the final interview*

We would like to thank the following people for volunteering their time to sit on the mock interview panels.

- Jeff Kasparian
- Richard Hillis
- Leanna Read
- Sanjay Mazumdar
- Andrew Seedhouse
- Tony Peacock
- Michael Davis
- Caroline McMillen
- Stephen Rodda

The SmartSat team were well prepared and presented a compelling case to the panel at the final interview. However, we have been told the bids in this round were particularly competitive. We are now awaiting an announcement from the minister in the coming weeks.

The SmartSat interview team:

- Andy Koronios
- Peter Nikoloff
- Peter Woodgate
- Flavia Nardini
- Anna Moore
- Thomas Pfister
- Shaun Wilson
- Peter Kerr
- Eva Rodriguez
- Gottfried Lechner
- Andrew Beveridge
- Nick Stacy
- Tony Wheeler
- Roger Franzen

## NEW PARTNERS

A number of partners have joined since the Stage 2 submission and the total number of participants now stands at 83. The cash contribution from our partners has risen to over \$55M as well as \$130M in-kind.

We would like to welcome the following participants:

- SCISYS
- Meat and Livestock Australia
- Equatorial Launch Australia
- ACT Government
- ULVAC
- Space Machines Company Pty Ltd
- The European Space Agency
- WA Department of Jobs, Tourism, Science and Innovation
- Neumann Space



The first Defence Advisory Group meeting, chaired by Peter Nikoloff was held on Wednesday 23 January. This was the first of the advisory group meetings and provided an opportunity for defence industry representatives to discuss the role of the group, the technology demonstration and validation program and the process for project approval. Meetings for the remaining Advisory Groups will be scheduled in the coming weeks (Agriculture, Mining & Resources, Communications, Transport & Logistics).

## SCISYS COMMIT TO SMARTSATCRC!

SCISYS has business operations spanning across a number of key market sectors highly relevant to the SMARTSAT CRC namely space, government and defence.



*SCISYS Director of Global Business Development, Sasikanth Bakkavemana signs the SmartSat CRC partner declaration form at the CSIRO Space 2.0 Workshop in Adelaide*

The Company operates in a broad spectrum of market sectors, including media & broadcast, space, government & defence and commerce. SCISYS clients are predominantly blue-chip and public-sector organisations.

Customers include the Environment Agency, the Ministry of Defence, Airbus Defence & Space, Arqiva, Vodafone, the European Space Agency, Eumetsat, the BBC, RNLI, Pets at Home, Siemens and the National Trust. The Company has UK offices in Chippenham, Bristol, London, Reading and Oadby and German offices in Bochum, Dortmund, Darmstadt and Munich.

As a leading developer of information and communications technology services including web and mobile applications, e-business and advanced technology solutions, SCISYS is well placed to make a significant contribution to the SMARTSAT CRC.

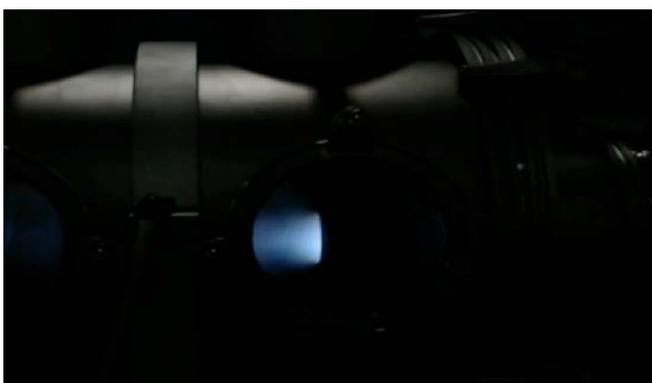
SCISYS' contributions will enable the SMARTSAT CRC research projects to build upon SCISYS' proven satellite planning, operations, ground segment, and analysis capability and enable the SMARTSAT CRC to focus on developing next-generation satellite technologies.

Dr. Peter Scheidgen, Head of Business Development & Sales of SCISYS said "Engagement on this project with so many of the World's best minds working together will create breathtaking technology that will usher in a new satellite communications paradigm. We are honoured to be a part of this proposed project and look forward to helping build the Australian space ecosystem. "

## COMPANY PROFILE- Neumann Space



Satellites have become an indispensable part of our everyday life. Based in South Australia, Neumann Space is developing a powerful, efficient and scalable space propulsion system suitable for satellite propulsion ranging from nanosatellites up to large satellites. The Neumann thruster marks a revolution in the field of satellite propulsion.



*Plasma generated in our vacuum chamber*

Our lightweight products use our patented Centre-Triggered Pulsed Cathodic Arc Thruster (CT-PCAT) technology to convert solid conductive propellants into plasma and produce thrust.

Founded in 2015 by our Chief Scientist, Dr Paddy Neumann, the company has demonstrated higher performance than any other known systems including NASA's High Power Electric Propulsion (HiPEP) thruster.

Neumann Space customers will soon be able to use our thrusters on their spacecrafts for numerous applications including Low Earth Orbit (LEO) mission profiles such as extending mission lifetimes, station-keeping, orbit raising, constellation phasing, inclination changes, de-orbiting, non-Keplerian orbits; in summary all space operations and travel in general.

Neumann Space is the only Australian company able to provide a sovereign in-space electric propulsion system capability.



*The Neumann Space Team*

If you wish to share relevant news regarding your organisation, please forward the information to [emily.white@unisa.edu.au](mailto:emily.white@unisa.edu.au)

For further information, please contact bid leaders Andy Koronios or Peter Nikoloff:

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