



**ROYAL
AERONAUTICAL
SOCIETY**

AUSTRALIAN DIVISION

SYDNEY BRANCH INC

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NEWSLETTER

JULY 2013

Visit to Quickstep Technologies Pty Ltd

Date:

Friday 26th July, 2013

Time:

18:00 for 18:30 hours

Topic:

**Quickstep's Composite Manufacturing:
Research and Development"**

Venue:

361 Milperra Rd, Bankstown Airport



This is a joint meeting with the American Institute of Aeronautics and Astronautics.

www.aiaasydneysection.org



Company Profile

Quickstep Holdings Ltd is an Australian listed company ASX:QHL at the forefront of advanced composites manufacturing and technology development. Quickstep is the largest independent aerospace-grade advanced composite manufacturer in Australia. It manufactures using both traditional autoclave and leading edge out-of-autoclave production technologies. Alongside our manufacturing headquarters in Australia, Quickstep also has Quickstep Process development facilities in North America and Europe. Quickstep is currently partnering with some of the world's largest aerospace/defence organisations, including the US Department of Defense, Lockheed Martin, Northrop Grumman, Airbus and EADS.

During the six months ending 31st December, 2012 Quickstep commissioned the new manufacturing facility at Bankstown Airport in Sydney, thus completing the final TollGate review for manufacturing readiness set by global aerospace company Northrop Grumman. This new facility facilitates the continuity of aerospace contract work for the F-35 Lightning II Joint Strike Fighter (JSF) military aircraft program after the closure of the North Coogee operations. This new facility is one of the most advanced aerospace carbon fibre component manufacturing plants in the world today, and one of the largest of its type in Australia. The facility will enable the company to transition into a substantial manufacturing business and ultimately become an integral part of the global supply chain for advanced carbon composite materials. The Bankstown facility comprises a

4,000 square metre production operation incorporating \$15 million worth of the latest carbon composite manufacturing equipment. Initial production will supply components ordered under purchase orders previously announced from Northrop Grumman Corporation and Lockheed Martin both of whom are based in the United States of America. The North Coogee facility has now ceased production and all manufacturing work has been transferred to Bankstown. Initial production will supply components servicing purchase orders with aerospace leaders Northrop Grumman Corporation and Lockheed Martin.

On 11 June 2013 Quickstep announced its selection to supply Joint Strike Fighter (JSF) parts worth up to \$700 million over the next twenty years, and announce that the United States Navy, Air Force and Marine Corps delivered a joint report to US Congressional defence committees establishing the initial operational capability (IOC) of each service's F-35 Lightning II Joint Strike Fighters.

Having commenced delivery of JSF parts in April 2012, and following the Northrop Grumman announcement of full qualification of the Bankstown site, Quickstep is now increasing JSF production to achieve peak production rates of approximately \$40 million per annum by 2018.

The F-35 Joint Strike Fighter is the only fifth generation, stealthy, multi role fighter now in production in the Western world. The JSF program is being developed for the US and eight international partner nations, including Australia. Two additional countries, Japan and Israel, have recently selected the JSF for their armed forces.

International recognition flowing from our work has already resulted in additional significant contracts. In March 2012 Quickstep won the tender to supply composite carbon fibre wing flaps for Lockheed Martin's C-130J Super Hercules aircraft against fierce international competition. Quickstep subsequently received a contract worth US\$12million to produce 24 shipsets of these flaps to be delivered from the end of 2013. Overall this program is expected to generate revenue of between \$75 million to \$100 million over the next five years.

Quickstep is also focused on developing licensing opportunities in the global automotive sector, where we aim to drive revenue through the use of our resins, licensing fees and the sale of machines to component manufacturers.

Pursuing our strategy to develop one of our patents for the high volume automotive industry, we have now proven the potential of our technology in that market. Using the Quickstep Process and our patented resin spray transfer (RST) technology, we can now manufacture carbon fibre composite parts with superior surface finish 'straight out of the mould'. The parts do not show any signs of fibre 'print through' after painting and ageing, which has been the critical issue for all other automotive carbon fibre technologies.

Evening Format

Presentations will be provided by the following Quickstep personnel:

Wendy Smith: C-130J Project Manager

With a Mechanical Engineering degree from University of Texas Arlington and an MBA from Texas Christian University joined the Quickstep team in October 2012 as the C-130 Project Manager. Wendy has over 10 years experience at Lockheed Martin US in design, manufacturing, supplier integration and international production.

Rob Roden: Joint Strike Fighter Project

Rob Roden joined Quickstep just over a year ago and is the JSF Technical Planner. Graduating with a Mechanical Engineering degree from the University of Liverpool (UK), Rob has 8 years experience in the composites and aerospace industry, and has been

involved in the JSF project for over 3 years working in the UK, Norway and Australia.

Adriano Di Pietro: R&D Program Manager

Adriano manages R&D projects for Quickstep Australia as well as a number of overseas projects. He has previously worked for the Australian Defence Materiel Organisation and in various project management roles. Adriano graduated with a Bachelor of Engineering (Honours) from The Australian National University in Canberra in 2007, and is currently completing a PhD in automated fibre placement with in-situ cure of advanced composites at ANU. He graduated in 2012 from QUT with a Graduate Certificate in Business.

Dinner: There will **not** be a dinner following the visit.

Parking: Free parking is available at 361 Milperra Road. Please observe parking restrictions and allow time to drive to the venue, park, and walk to the venue. (Refer map)

RSVP: Advance attendance **registration** is required for security purposes. Please complete the visit registration form below and return either by email to sydneybranch@raes.org.au or clicking on www.stickytickets.com.au/11861 or by mail to Mr Jeff Lock, 4 Hillcrest Place, North Manly NSW 2100. Please ensure that your contact details are clearly set out so that we can confirm your attendance on the evening. Only those who have pre-registered will be able to attend on the evening. **This event is limited to 50 attendees – successful registrants will be notified by phone/email.**



Quickstep Technologies Pty Ltd Visit Form

361 Milperra Rd, Cnr Murray Jones Drive, Bankstown Airport, NSW
(from the city, turn right off Milperra Rd into Murray Jones Drive into Boeing Complex- turn right before the Boeing boom gates and park – you will need to press a buzzer located at the black security gates to gain access)

Quickstep is the brown brick two level building

If you wish to attend the visit to Quickstep Technologies Pty Ltd on Friday 26th July, 2013, 18.30 hours sharp, please complete this form and either email to sydneybranch@raes.org.au or clicking on www.stickytickets.com.au/11861 or return the completed form by mail to:

Mr J.A. Lock, 4 Hillcrest Place, North Manly NSW 2100 - by close of business 23rd July, 2013.

The completed forms will be forwarded to Quickstep for validation as required by the US Department of Defense. **On the evening all attendees must produce photo ID (eg, passport or Driver Licence) to gain entry to the Quickstep facilities.**

RAeS/AIAA Membership Number:.....

Surname: **Christian names:**
(as shown in your current passport or driver licence)

Contact phone Number:..... **Email:**.....

Partner

Surname: **Christian names:**
(as shown in your current passport)

Contact phone Number:..... **Email:**.....

If you have a high visibility vest please bring it with you