

**Points of interest:**

- The C2C Suite of Programs
- BAE Systems C2C Scholarship
- Featured Partner: Adtech Engineering Pty Ltd
- NICDA Awards
- Coming Events

*"My C2C experience was the turning point for me in choosing which career pathway I wanted to follow. We designed a communication device to help kids with severe autism to express their feelings. We were made an offer to sell our prototype it was so successful. The problem solving, team and leadership skills that I have developed through C2C will stay with me for life"*  
Joshua Smiech,  
ex Para Hills High School



Two generations of pilot partnering in the C2C+ Genesis UAV Challenge

**Presenting the Concept2Creation (C2C) Suite of Programs**

In an effort to keep pace with emerging educational directions and to generate continuity with an ongoing Career Development process rather than a series of disjointed events, NAMIG has:

- introduced a suite of programs that progress through all levels of secondary schooling
- sought to establish greater synergy with providers of similar opportunities for talks, tours and projects for schools
- increased the relationship with tertiary institutions, particularly the University of South Australia, to pursue even more effective interactions for teachers and students who are engaging with Advanced Manufacturing and Technology pathways.
- extended opportunities that exist within Advanced Manufacturing industries to align with student interests.

The suite has retained the well recognised C2C brand but incorporated variations of this to designate particular levels of the program.

NAMIG recognises that most learning occurs in the process rather than product. From the "C" (come'n'see) program of introductory talks, tours and projects; through C2C where student teams undertake a project management process to develop their own concepts; to the C2C+ and C2C<sup>2</sup> programs for the senior years, which involve students undertaking project briefs that have been set by various industry partners.

Although we are confident that C2C will continue to generate awareness of Advanced Manufacturing, promote relevance of Maths, Science and Technology studies and foster employability skills in students; it will hopefully now provide greater continuity and transparency in meeting industry and educational needs.

**What is Advanced Manufacturing?**

Mention this term and many people revert to a somewhat dated perception of old-style manufacturing. So the challenge seems to be to project an information strategy to change these perceptions or to use Advanced Technology as an alternative and less restricted term. NAMIG seeks to pursue the former through active promotion of its activities.

At a recent meeting of the NAMIG Reference Group, which consists of employers, relevant industry associations, government, education and training sectors, the group engaged in a lively discussion to define this term. The current definition presented was:

*Advanced Manufacturing is the utilisation of enabling technologies, incorporating design and business process innovation to deliver high value-added processes and products in ways that are novel and competitive.*

What this discussion did prove was that there is considerable scope for students to be introduced to a broad range of industries with various levels of entry to a diverse range of career pathways. In the process, they would experience innovative problem solving in the design and manufacture of high value-added products through the application of advanced concepts, technologies, processes, tools and engineering-base skills.

**NAMIG Inc Curriculum Development Award (NICDA) Awards**

These awards are allocated to facilitate curriculum development that enhances the C2C program for industry and schools alike. Current recipients are Riverton & District High School and Valley View Secondary School. Some of the valuable resources that are being developed through these awards can be accessed from the members' section of the website [www.concept2creation.com.au](http://www.concept2creation.com.au) (using the log on provided to C2C teachers).

Thanks to Wendy Gomersall from our Coordination Team, the C2C website has received some significant improvements including links to some other handy sites. If you have ideas or materials that would further improve our web presence, please email [wendy@concept2creation.com.au](mailto:wendy@concept2creation.com.au)



Students demonstrate their C2C project to His Excellency The Governor of South Australia.

*"As an employer from the engineering sector, I regard being able to source workers with the necessary skills and attitude as perhaps the most significant challenge in meeting the forecast growth and technological advancement for this industry in Northern Adelaide.*

*The NAMIG Concept2Creation program enables employers to contribute to and benefit from real world learning that fosters relevant skills, attitudes and appreciations of the project management process in secondary students.*

*"Brian Wildman, Business Development Director Adtech Engineering Pty Ltd*

### Seeking synergy

NAMIG is keen to be a significant contributor to gaining synergy across the economic and community development of northern Adelaide. It is currently working with Northern Futures, the University of South Australia and various Economic Development Forums to clearly identify its role and relationship to other significant partners in this process. Hopefully such efforts minimise replication of effort and generate cohesive strategies to meet the forecast growth for this area.

### Just making ourselves known...

The Concept2Creation brand is well known in northern Adelaide but we were keen to ensure that the community understood the origins and the scope of this program. Therefore, presentation packages have been developed to inform industry and educational partners about the Northern Advanced Manufacturing Industry Group (NAMIG), how C2C works and how partners can become involved.

If you are yet to receive an information folder, please call Emma on 8260 8903 or via [emma@concept2creation.com.au](mailto:emma@concept2creation.com.au) and request your copy.

### Featured C2C Partner

#### ADTECH Engineering Pty Ltd



The NAMIG staff and board welcome Brian Wildman, Director of Adtech Engineering Pty Ltd back to the Board. Brian has been a significant supporter of NAMIG since its inception in 2005 and was an inaugural board member. In fact, the launch of NAMIG occurred at his business that was then known as NTS Tooling at Pooraka.

Brian has now transformed his company into an even more highly advanced manufacturing operation that has broadened its operations to also align with the demands of the Aero Defence industry.

Besides providing leadership and inspiration to NAMIG, particularly by providing the 'concept2creation' tag, Brian has modelled many of the forms of partnership that industry might contribute to NAMIG. If you have not seen these suggestions for partnership, they appear in the "19 Ways that Employers can be involved with NAMIG" - a key feature of our Industry Information Pack.

### BAE Systems NAMIG Scholarships

Three tertiary scholarships have been awarded to C2C graduates from Northern Adelaide schools. These scholarships were available for relevant courses of study and could be undertaken at either TAFE or university. In this first year of the scholarship program, the recipients were:

- Tom Frankel (Valley View Secondary - Aviation Engineering)
- Joshua Smiech (Para Hills High - Telecommunications Engineering)
- Craig Aistrop (Valley View High - Mechanical Engineering)

The scholarships include a financial grant, paid work placement at BAE and an innovative mentor and buddy support program.

Since the presentation ceremony at BAE Systems Australia in February, the recipients have commenced their studies and met with their designated mentor and graduate engineer buddy from BAE.

NAMIG will assist by managing the program and by preparing current Year Twelve students to the application process for this year.

"BAE Systems has been a keen supporter of the C2C

program since its inception and we are very excited to be able to reward the exceptional efforts of the students who have taken part in the program" said Jim McDowell, Chief Executive - BAE Systems Australia.

"We are convinced that by encouraging young people in schools and as they move into tertiary education, more and more local people will be able to access the opportunities



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Bernie Fitzsimons,  
General Manager, NAMIG

### Coming Events

(for full details contact [info@concept2creation.com.au](mailto:info@concept2creation.com.au))

Tue 9 June 5.00-6.00pm Valley View Secondary School C2C Expo

Wed 10 June 3.45-5.00pm Teacher PD "Is your concept a viable business proposition?"

Fri 12 June Teacher PD Day Roland Milling Machine Certificate (CAM)

Tue 30 June C2C Teachers' Meeting at Craigmore High School

# NAMIG

[Northern Advanced Manufacturing Industry Group] Inc