

[View this email in your browser](#)



ShireBiz

Bulletin

The Shire Economic Development Alliance Newsletter

21st February 2023

About ShireBiz

ShireBiz is a not for profit organisation dedicated to the Economic Development of Southern Sydney to enable sustainable business development which provides employment opportunities for the local community.

Our strategic pillars are:

- Advocacy for business investment, traction and job diversity eg projects such as supporting *the development of the ANSTO Innovation precinct*
- Advocacy for infrastructure investment, policy change and streamlining regulatory environments in the Sutherland Shire
- Engaging the community through regular *newsletter*, and *events*

Shirebiz would like to thank our supporters for your support over the last year

Shirebiz supporters are invited to continue to support Shirebiz by becoming members. [Join at](#) If you want to regularly receive this Bulletin Contact the Secretary at info@shirebiz.org.au. We would also appreciate feedback on the content.

Realise Business: *Killer Content Made Easy* Workshop 23rd Feb

Join us for this [face-to-face workshop](#) with Therese Tarlinton where she will talk about how to identify your target customer and create relevant and timely communications using the right channels and strategies

Medtech Update – Annual Demo Day 23rd Feb

On February 23rd we will showcase our incredible startups from the 7th MedTech Actuator Accelerator at our [annual Demo Day](#) – you are very welcome to join us to celebrate their achievements. Our 2022 Accelerator startups come from across Australia and represent what is brilliant about health innovation founders: passionate, impact-focused, and values-driven. If you want to attend, you can find the details on our website.

Clinical trials begin for flu vaccine-coated Vaxxas patches

Brisbane-based vaccine delivery technology Vaxxas has announced initiation of a Phase 1 clinical trial for flu shots administered by the company's high-density microarray patch (HD-MAP.) According to a statement from the company on Friday, the trial will take place at three University of the Sunshine Coast's clinical research sites – in Brisbane, Morayfield and Sippy Down – using a [seasonal influenza vaccine quadrivalent](#) (IIV4) candidate made by “an undisclosed, world leading biopharmaceutical and medical device company.”

Youth Partnership Newsletter - February 2023

[Enrolments for VET courses](#) among schools in our region are growing, with increased student numbers reported for 2023 in Business Services, Hospitality, Construction, Entertainment and one of the newer frameworks Sports Coaching. With growth in student numbers our team are busy sourcing new venues and opportunities to offer students for work placement. Now is a great time for our existing host employers to consider taking additional students or adding placements for students from different frameworks that may also be able to support business needs.

How does each colour of fruit and veg benefit our health?

Our world-first CH-FIT study on [how exercise can help people](#) born with [congenital heart disease](#) is well underway, supported by the generosity of people like you. [Watch the Channel 9 News interview](#) with HRI's Dr Derek Tran about this exciting progress and the hope it can bring to people with congenital heart disease and their families.

An Australian-made quantum chip in every home? (podcast)

This week Quantum Brilliance announced a \$26 million funding round, a significant boost to its lofty ambitions. Brent Balinski spoke to co-founder Dr Andrew Horsley about bringing Australian-made room-temperature [quantum accelerators](#) to the masses.

Webinar: Material tracking for façade teams

Are you a Facade Manager looking to improve your [material tracking operations](#)? Tracking facade for construction projects is our bread and butter, let us show you how it's done! In this on-demand webinar, we'll explore: The benefits of implementing a material tracking platform for Facade teams; How to connect your supply chain and subcontractors—from manufacturing to installation—to gain better visibility of project progress; Best practices to track Facade materials in Matrak and everything in between!

Algorithm boosts imaging resolution of hydrogen fuel cells

UNSW Sydney researchers have [developed an algorithm](#) to significantly enhance images of hydrogen fuel cells, with potential future applications in medical scanning. The algorithm produces high-resolution modelled images from lower-resolution micro X-ray computerised tomography (CT). The new process, detailed in a paper published in Nature Communications, has been tested on individual hydrogen fuel cells to accurately model the interior in precise detail and potentially improve their efficiency.

Endeavour Awards 2022: Australian Industrial Product of the Year — *Successful Endeavours*

The number one way that plumbers die on Australian worksites is electrocution. [The Plumb Guard](#) by *Successful Endeavours* was originally designed as a self-contained unit to check that no hazardous voltages were present. The latest version includes Bluetooth IoT technology to connect to a mobile phone so that hazard alerts can also be provided to site supervisors.

AICIS approval will allow significant scaling up, says Graphene Manufacturing Group

Graphene Manufacturing Group has announced “full and final approval” of its products under the Australian Industrial Chemicals Introduction Scheme (AICIS), an

agency within the federal department of health, allowing for a significant increase in production. The Brisbane-based and Toronto-listed company said on Monday that the [approval covered coatings](#), automotive lubricants and the company's graphene aluminium-ion batteries, and permitted total production of up to ten tonnes per annum of graphene powder.

Reviewing the construction industry's commercial model

It seems that Clough's administrators have quickly learned construction's dirty little secret: the [commercial model](#) for major construction projects is broken and not benefitting anybody, least of all the industry itself. The nature of construction is that contractors and subcontractors price projects months before actual costs are known. They are given only a few months to quantify complex risks on multi-billion-dollar projects and unsurprisingly, despite their best efforts, there is often a difference between the initial budget and the actual cost. In the current inflation environment, that difference can be huge.

Shirebiz supporters are invited to continue to support Shirebiz by becoming members.

[Join at.](#)



Regards,

Richard Walker, Secretary, Shirebiz

Mobile: 0419617510

Email: info@shirebiz.org.au