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ShireBiz Bulletin

The Shire Economic Development Alliance Newsletter

14th December 2021

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:

- **Job Creation** through projects such as *Supporting the development of the ANSTO Innovation precinct*
- **Advocacy** such as *Improving Shire transport links*
- **Connecting the Community** through regular *newsletter*, and ZOOM and in person *events with prominent speakers*

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

Perrottet sharpens NSW focus on research translation

NSW Premier Dominic Perrottet is preparing [a restructure](#) to give better and more targeted support for industry growth in priority areas, including advanced manufacturing, entrepreneur driven research translation. Mr Perrottet used the 2021 Bradfield Oration to unveil plans for a Department of Enterprise and Investment to help drive research-led growth, and for the appointment a NSW state Minister for Science, Innovation and Technology.

Manufacturing news briefs – stories you might have missed

[Stories](#) include: JAT receives \$10m dairy export order, opens Shanghai boutique; Craig International Ballistics to commission new autoclave; Siemens and Flinders team up for research; Suntory produces bottle prototype from plants; Altech Chemicals raises cash for battery material development

Best of Season One: Sustainability Retail Therapy Podcast

This week we're focusing on our discussions about [sustainability](#), where our guests shared what they believe the role of retailers is in driving better sustainability outcomes for our planet, as well as what their organisations are doing now and into the future to tackle climate change.

Combatting Soil Salinisation Using Nuclear Techniques

The theme of this year's World Soil Day, celebrated on 5 December, – 'Halt Soil Salinisation, Boost Soil Productivity' – raises awareness about the fragile top layer of land that we all depend on for our food. Due to poor farming practices, climate change, sea water intrusion, land use changes and water seepage from dams, we are losing this precious natural resource at an alarming rate. [Isotopic techniques](#) are

used in many countries to study the extent and causes of soil degradation, arming decisionmakers with the right data to protect it.

Carrefour's Flash 10/10 c-store deploys avatars and AI to speed purchases

was developed in partnership with Californian start-up AiFi using technology the retailer says has never been seen before, aimed at offering customers the most accessible and fastest shopping experience possible.The storeA new convenience store concept in Paris, Carrefour Flash 10/10, uses cameras, connected shelves, sensors and avatars to tally purchases and payments, serving customers in 20 seconds.

How we can achieve net zero manufacturing?

This transition to net zero offers significant opportunity for our manufacturing industry. We need to ensure we look at the challenge holistically and apply a 'Systems Thinking' approach to this challenge by looking at opportunities across the entire supply chain. Carbon neutrality for manufacturing is not just about reducing emissions in the manufacturing process. We need to broaden our thinking for carbon reduction opportunities, from transport of raw materials through to remanufacturing at end of product life.

PM urges businesses to upskill workers

In a virtual address to industry leaders this week, Scott Morrison said meeting the needs of the future workforce was not about "what people want to teach" but building "skills in critical sectors to maintain Australia's global competitiveness and sovereign capabilities" and encouraging "employers to take responsibility to upskill their own workers".

Innovation Aus: Australia's best - Building national ambition

Tasmanian EcoTech startup Sea Forest swept the field at InnovationAus' inaugural Awards for Excellence Wednesday evening, taking home three trophies including the

coveted People's Choice and Australian Hero award, which it shared with quantum computing favourite QCTRL. Gilmour Space Technologies won the eagerly anticipated Space & Remote Automation category

Australian Retailers Association *The Retail Voice* Nov 2021

The October figures from the ABS also shows retail sales are up 5.2% compared to the same time last year with NSW and Victoria back recording positive year on year growth after the Delta lockdowns. Clothing, footwear and personal accessories have also bounced back strongly – up 5.8% in October compared to the same time last year.

Big data, cybersecurity and AI at centre of new tech education institute

Students will combine university study with vocational training through a new digital education model being piloted by Microsoft, major universities and TAFE NSW. Big data, cybersecurity and artificial intelligence will be the hallmark disciplines of the state's first Institute of Applied Technology for Digital Technology, now under construction as part of the \$154 million Meadowbank Education Precinct.

Andy Liveris confident on Australia's tech transformation

Australia has the potential to completely transform its economy and embrace innovation through modern manufacturing, according to Andrew Liveris, the architect of the federal government's strategy in the space. In a *Partners in Progress* discussion, Australia's Ambassador to the United States Arthur Sinodinos and Mr Liveris discussed the tech opportunities on offer through the AUKUS agreement, how modern manufacturing will alter economies and the need for better future of work policies from governments

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Join at.

Regards,

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