

Pan-United partners with CarbonCure to reduce carbon footprint of concrete in Asia

- *Pan-United to introduce the breakthrough technology for greener and stronger concrete to the ready mix concrete industry in Singapore and the region*
- *Sustainability spin-offs downstream to construction industry and building developers*

SINGAPORE, 18 NOVEMBER 2018 – Concrete innovation company Pan-United Corporation Ltd (“**Pan-United**”, “**泛联集团**” or the “**Group**”) has sealed a strategic partnership with Canada-based cleantech company CarbonCure Technologies Inc. (“**CarbonCure**”) to use a breakthrough technology using carbon dioxide to produce greener and stronger concrete.

Pan-United will be the first in Asia to use CarbonCure’s product innovation. It will then introduce the technology to ready mix concrete producers in Singapore and subsequently to other markets in Asia.



The Strategic Partnership Agreement signing ceremony on 15 November 2018 between Pan-United and CarbonCure was jointly witnessed by the Honourable James Gordon Carr, Canada’s Minister of International Trade Diversification, and Mr Png Cheong Boon, Chief Executive Officer of Enterprise Singapore, the Singapore government agency championing enterprise development.

CarbonCure Founder and Chief Executive Officer, Mr Robert Niven, was represented by Mr Christian Weisenburger, CarbonCure General Counsel. The Pan-United signatory was its Executive Director, Mr Ken Loh.

The CarbonCure Technology chemically converts carbon dioxide captured from industrial emitters into a nano-mineral that becomes permanently embedded within concrete. The process improves concrete's compressive strength and enables concrete producers to realise manufacturing efficiencies while reducing the concrete's carbon footprint.

With the CarbonCure Technology, Pan-United has the potential to save over 4,000 tonnes CO₂ emissions annually at each of its concrete plants. This is equivalent to the amount of CO₂ that would be sequestered by forestland blanketing 2.6% of the total landmass of Singapore.

Mr Niven said: "Singapore is a vital gateway for CarbonCure's entry into Asia to further our global efforts to mitigate harmful carbon emissions from the built environment.

"We are delighted and convinced that we have a like-minded and strong partner in Pan-United which is the industry leader in South-east Asia for advancing green concrete initiatives. Pan-United's technology capabilities in the concrete and logistics space are second to none in this region."

Cleantech company CarbonCure is the world leader in carbon dioxide utilisation technologies for the cement and concrete sector. CarbonCure is supported by Breakthrough Energy Ventures, a US\$1 billion fund created to accelerate the world's transition to clean energy, whose investors include Bill Gates, Jack Ma, Jeff Bezos, Masayoshi Son, amongst others.

Mr Ken Loh ("羅嘉遜"), Pan-United Executive Director, said: "Pan-United is excited to expand our portfolio of sustainable initiatives with the addition of CarbonCure's unique breakthrough technology.

"We view its clean technology as very useful in addressing the urgent climatic need to reduce the global carbon footprint. Pan-United intends to expand the use of the CarbonCure Technology by introducing it to other ready mix concrete producers in Singapore and the region.

"While reducing the overall carbon footprint, we believe this special process has multiple benefits to enable sustainability gains not only for concrete producers and the construction industry but also for developers in their building projects," he noted.

"As a proudly homegrown company, Pan-United seeks to continually set new industry standards in Singapore as well as in overseas markets, and to extend global awareness of our technical capabilities, service standards and product development expertise," Mr Loh added.

Mr Png Cheong Boon (“方章文”), Chief Executive Officer of Enterprise Singapore said, “I congratulate Pan-United and CarbonCure for forging this partnership. It brings together cutting-edge technologies from Canada’s CarbonCure and Pan-United, which is Singapore’s leading concrete innovation and technology company. I wish both companies a successful partnership in creating concrete solutions that can lower the carbon footprint of infrastructure development in Asia.”

Pan-United is the first concrete firm to attain the “Leader” certification from the Singapore Green Building Council (SGBC). The certification – SGBC’s highest level of sustainability certification – covers over 150 specialised concrete products in Pan-United’s “Eco” and “Green” ready mixed concrete ranges. Earlier this year, Pan-United opened its own high quality slag plant in Johor, Malaysia. Slag is recycled from the by-product of steel production to substitute for cement.

ABOUT CARBONCURE TECHNOLOGIES

carboncure.com

CarbonCure Technologies Inc. is the global leader in CO₂ utilization technologies for the world’s most abundant man-made material: concrete. The retrofit CarbonCure Technology chemically mineralizes waste carbon dioxide during the concrete manufacturing process to make greener and stronger concrete. CarbonCure has partnered with over 100 concrete producers across North America and Asia to create new production cost savings, gain competitive sales advantages, and reduce the carbon footprint of the built environment. CarbonCure is a portfolio company of Elemental Excelsior, a global growth accelerator that supports clean technology deployment in the Asia Pacific, Hawaii and California regions.

ABOUT THE PAN-UNITED GROUP

panunited.com.sg

Concrete innovation company Pan-United Corporation Ltd (Pan-United) is a homegrown Singapore-listed multinational corporation with operations in four Asian countries and a total workforce of more than 1,500 people. It is a global leader in concrete technologies harnessing innovation and cutting-edge digital platforms to develop industry-leading, sustainable solutions in the concrete and logistics space. With a strong base as Singapore’s largest concrete and cement company, Pan-United has expanded into markets in Malaysia, Indonesia and Vietnam, where it is the top brand in Ho Chi Minh City. The Group is a renowned and trusted brand for high quality concrete solutions with a 60-year reputation for excellent customer service.



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