



CO2CRC researchers take carbon capture to market

A group of CO2CRC researchers have formed a company to further invest in and commercialise a range of Australian-developed environmentally friendly carbon capture technologies.

“UNO Technology Pty Ltd will continue to develop four patented technologies critical to driving down the cost of carbon capture,” said Barry Hooper, company director and former CO2CRC Chief Technologist.

“The company has seven international patents and others pending, including the flagship technology UNO MK 3, which uses a precipitating potassium carbonate solvent to capture carbon dioxide from power station and industrial emissions.”

“The Cooperative Research Centre for Greenhouse Gas Technologies (CO2CRC) has developed UNO over the last ten years,” said Dr Richard Aldous, CO2CRC Chief Executive.

“While we have taken the concept from laboratory trials to pilot scale and have been operating a one tonne per day carbon capture plant at a coal fired power station in the Latrobe Valley, our technology development strategy sees large scale demonstration and commercialisation happening outside CO2CRC.

“UNO Technology will continue to invest in UNO and, with development partners and investors, take the next steps in scaling it up.”

CO2CRC is a research and development organisation working to drive down costs and improve the science and efficiency of CCS by undertaking fundamental and applied research. The UNO research has been one part of CO2CRC’s extensive program of ongoing carbon capture and geological storage R&D.

“CCS is the only way to make deep cuts in emissions from fossil fuel combustion,” said Dr Aldous.

“We are beginning to see CCS deployed at large scale on coal-fired power stations in a number of countries.

“The challenge now is to drive the cost down further, which is where the next generation of capture technologies will come into their own.

“We are delighted that these CO2CRC researchers have decided to take the technology further and we wish them well in their endeavours.”

“The shareholders of UNO Technology are committed to CCS and its role in delivering low emissions energy and reducing the impact of carbon dioxide emissions,” said Barry Hooper.

“We appreciate the efforts and support of CO2CRC stakeholders over the years and take pride in our efforts, through these technologies, to contribute to the move towards a carbon neutral future.”

For further information, images and interviews contact:

UNO Technology: Barry Hooper, +61 (0)408 815 608, bhooper@unotech.com.au,

www.unotech.com.au

CO2CRC: Fiona Skivington, 0400 616 434, fskivington@co2crc.com.au

CO2CRC collaborates with leading international and national CCS experts to conduct world-class research into carbon capture and storage. Organisations participating in CO2CRC research include CSIRO, Geoscience Australia, the Universities of Adelaide, Curtin, Melbourne, Monash, NSW, Queensland and Western Australia, GNS Science (NZ), Simon Fraser University (Canada) and Lawrence Berkeley National Laboratory (USA).

Industry and State core partners supporting CO2CRC are ANLEC R&D, BG Group, BHP Billiton, BP Australia, Brown Coal Innovation Australia, Chevron, Glencore, INPEX, KIGAM, NSW Trade & Investment, Rio Tinto, Sasol, Shell, Total, the Victorian Department of State Development, Business and Innovation, and the WA Department of Mines and Petroleum.

UNO Technology is an Australian technology company committed to making a difference to greenhouse gas emission intensity through its capture technologies designed to deliver low emission fossil fuels linked to CCS. The shareholders are committed investors who have been involved with the technology from inception as inventors and developers. They plan to work with development partners to deliver value in enhanced capture processes and systems.

 Follow us on Twitter @CCS Research