



# C-Capture

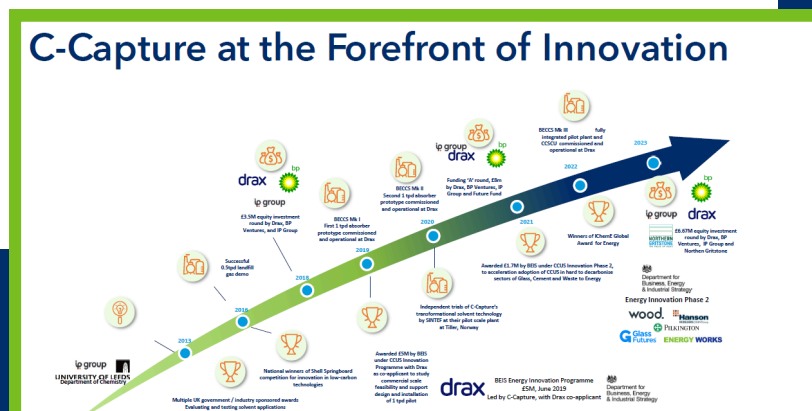
## Business and IP Sale of Proven Innovative Carbon Capture Business

Metis Partners presents a unique opportunity to acquire the business and intellectual property (“IP”) assets owned by a pioneering UK-based clean technology company, C-Capture, which specialises in innovative carbon capture solutions. With approximately £35 million in investment and grant funding to date, award-winning technology, extensive proven pilot testing, and significant contributions to the industry, this represents a strategic opportunity to take advantage of the dramatic growth in the carbon capture market.

### BUSINESS BACKGROUND

Established as a spin-out from the University of Leeds in 2009, C-Capture Limited leveraged cutting-edge research to address one of the most pressing challenges of our time: reducing CO<sub>2</sub> emissions. The Company has developed proprietary solvent-based carbon capture technology, offering an environmentally safe, energy-efficient, and cost-effective post-combustion solution. Designed to integrate seamlessly with existing industrial infrastructure, the technology is particularly suited to hard-to-abate sectors such as cement, glass, and waste-to-energy.

Following £35m of investment from IP Group, BP Ventures, Northern Gritstone, Drax, and the UK Government, C-Capture has successfully completed significant pilot tests in real-world settings, including designing, building and operating a pilot-scale plant at Drax Power Station. Led by a small and dedicated management team, recognised as thought leaders in carbon capture innovation, C-Capture is at the forefront of driving sustainable solutions in this critical field.



# OPPORTUNITY HIGHLIGHTS

- Acquire award-winning, solvent-based carbon capture technology, which enables the safe, low-cost removal of CO<sub>2</sub> emissions from industrial processes. The technology has been successfully piloted at Drax Power Station, and is protected by a robust IP portfolio including three patent families, proprietary software modules, extensive technical know-how, and key organisational knowledge;
- An opportunity to gain a foothold in the rapidly expanding global carbon capture market, projected to grow at a CAGR of 19.29% from 2023 to 2031, reaching a projected market value of \$14.5bn, driven by increased global emphasis on net-zero goals, offering significant growth potential.
- Leverage C-Capture's already established reputation as both a pioneer in carbon capture innovation and a trusted technology partner, which has attracted millions in investment; and
- Acquire a unique bundle of IP that is critical to the design, build, and operation of pilot-scale plants, offering a practical pathway to market deployment.

## PATENT PORTFOLIO

The Company owns a patent portfolio comprising 27 granted patents and 24 patent applications across three patent families, in territories across the world.

The patents underpin the Company's core technology, solvent-based carbon capture, and are integral to its existing projects and industrial applications. They also provide a strong foundation for developing future solutions and next-generation innovations in carbon capture.

The Company's patent portfolio encompasses patents relating to the design and optimisation of its proprietary solvents and their application in industrial carbon capture systems. It also includes patents detailing methods for integrating carbon capture into diverse industrial processes, alongside innovations in operational efficiency and cost reduction.

The patent portfolio is well-managed, with active filings in key, economically developed territories, and no known history of litigation or infringement, ensuring a secure & reliable asset base for buyers.

# OTHER ASSETS FOR SALE

## KEY ORGANISATIONAL KNOWLEDGE INCLUDING:

- Operating procedures for the laboratory, pilot plant, and associated equipment, ensuring safe and effective operations;
- Process model documentation and related computational resources supporting the proprietary C-Capture technology;
- Analytical techniques and calibration models developed for online system monitoring and optimisation;
- Comprehensive R&D roadmaps and experimental campaign plans, coupled with a database of experimental results, pilot studies, and industrial trials, provide detailed insights into the Company's innovation strategy, performance, and scalability potential; and
- Pre-submission patent drafts and invention disclosures including detailed specifications, supported by vital experimental and pilot study data.

**Proprietary software** modules that underpin the C-Capture technology solution. The Company's software includes Pilot Plant Control Software, which manages process and safety control logic; a Data Processing Tool to analyse raw data and validate models by interacting with the experimental results database; and Process Simulation Code, which is used in advanced tools like Aspen Plus and DWSim to size equipment and predict outcomes. The software would be easily transferrable to a potential acquirer.



**Brand and Reputation:** C-Capture has built an enviable reputation as an innovator in the carbon capture market over the past decade. Recognised as a thought leaders, senior personnel have been invited to present at key industry events and participate in UK government-led initiatives. Recognising the Company's expertise, industry leader Drax entrusted C-Capture's technology to process biomass-derived flue gas at Drax Power Station.

**Pilot Plant:** C-Capture has been operating custom designed, manufactured and installed pilot plants at the Drax Power Station, where they have been operational since 2019. The extensive data gathered from this trial is feeding directly into the design process for a full-scale plant, with a target of 10,000 tonnes of CO<sub>2</sub> per day captured from one of Drax's four biomass fired boilers.



In 2024, C-Capture marked key milestones in advancing its carbon capture technology, demonstrating its versatility across various industries. In partnership with Wood Group, the Company has built 3 small scale unit that have demonstrated the robustness of C-Capture's technology with flue gas emissions in the waste-to-energy, lime and cement manufacturing process. Additionally, a landmark trial with Pilkington NSG achieved the UK's first demonstration of carbon capture technology within the mainstream commercial glass manufacturing sector, highlighting its potential to drive decarbonisation in hard-to-abate industries.

# Deadline & Contact

Please be advised that the deadline for expressions of interest has been set for 12pm (GMT) on Friday 20th December 2024.

If you are interested in finding out more about this opportunity, please email [David Hood at david.hood@metispartners.com](mailto:david.hood@metispartners.com), or call+44 (0) 141 465 7920, and [Stephen Robertson at Stephen@metispartners.com](mailto:Stephen@metispartners.com) or call+1 (858) 848 6911.

To learn more about this opportunity, [click here](#).