



Carbon Clean Solutions launches test campaign at pioneering Technology Centre Mongstad pilot

Test campaign intended to bring CCSL's patented technology to commercial readiness

November 24 2015: Carbon Clean Solutions Limited (CCSL), a world leader in the design, development & deployment of carbon capture technology, today announces the launch of its new test campaign at Technology Centre Mongstad (TCM), the world's largest and most advanced facility for testing and improving CO₂ capture.

CCSL, which was recently recognised by the World Economic Forum (WEF) in its list of most promising global Technology Pioneers of 2015, will demonstrate its technology at TCM in order to generate long-term testing data at full-scale carbon capture.

The test is part of CCSL's plans to further develop its patented APBS chemical solvent, which can remove up to 50% more CO₂ with the same energy requirement, compared to existing carbon capture offerings, thereby reducing the size of equipment and energy demand.

Tests to date have shown CCSL's technology to have significantly improved energy efficiency and reduced solvent loss and degradation than its competitors, driving down the costs associated with carbon capture.

Aniruddha Sharma, Chief Executive Officer at CCSL, said: "Our drop-in solvent technology has the potential to dramatically reduce high corrosion, high energy demand and solvent loss. Having demonstrated the technology at pilot scale at the National Carbon Capture



Centre, USA, we believe that this new demonstration with TCM can bring the technology to commercial readiness benefiting generations to come.”

Ray Vardheim, Managing Director at TCM, said, “TCM has played a vital role in the development of CCS technologies since 2012, and we are delighted to have successfully started the test campaign with Carbon Clean Solutions. We look forward to work closely with them in the weeks and months ahead to test and verify their promising solvent.”

The launch of CCSL’s pilot, which will continue until March 2016, comes on the back of TCM’s recent test campaign, intended to increase understanding of the carbon capture process and reduce technological risks associated with full scale implementation of generic plant capture.

For media requests, including interviews and images, please contact:

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About Carbon Clean Solutions Limited (CCSL):

Carbon Clean Solutions Limited (CCSL) is an innovation leader in developing solvents for carbon dioxide (CO₂) separation technology for industrial and gas treating applications. The company’s step change APBS technology significantly reduces the costs and environmental impacts over existing CO₂ separation techniques. With prime focus on innovation, CCS aims to provide customized low cost, energy efficient solutions for carbon dioxide separation to its customers. Company research is funded by UK-DECC (Department of Energy and Climate Change) and US DOE (Department of Energy). The technology is proven at pilot scale in five countries and exhibits research & development agreement with TNO (Dutch Organization for Applied Scientific Research) based in the Netherlands, Imperial college, London and University of Leeds, UK. Carbon Clean Solutions now operates offices in India, the United Kingdom and the United States.

About Technology Centre Mongstad:

TCM is a joint venture set up by the Norwegian state (75.12%), Statoil (20%), Shell (2.44%) and Sasol (2.44%). It aims to increase knowledge on carbon capture technologies, in order to reduce technical and financial risk, and accelerate the development of qualified technologies capable of wide scale international deployment.
