

Technology Centre Mongstad (Norway)

<http://www.tcnda.com/en/>

Technology Centre Mongstad (TCM) is the world's largest facility for testing and improving CO₂ capture technologies, a vital part of the carbon capture and storage (CCS) route to market. At TCM, the focus is on testing and improving CO₂ capture technology in the very final stage before full-scale operation.

TCM aims to help reduce the cost and risks of CO₂ capture technology deployment by providing an arena where vendors can test, verify and demonstrate proprietary CO₂ capture technologies. The Centre aims to be the preferred verification partner for CO₂ capture technologies internationally.

TCM provides access to two intrinsically different, real-life flue gases for testing: flue gas from a gas turbine power plant and flue gas from a refinery catalytic cracker, which resembles flue gas from a coal-fired power plant. The CO₂ contents are about 3.5% and 13%, respectively with flexibility to dilute/enrich the flue gas sources. This enables vendors the unique opportunity to flexibly test their capture technologies for both coal- and gas-fired power plants, as well as on other industrial applications, using the same facility.

The TCM test site is equipped with two distinct units for post-combustion capture technology verification with space available to add others.

The Economist produced an overview video on TCM that can be viewed here:

<http://www.economist.com/blogs/babbage/2012/08/tackling-climate-change?bclid=0&bctid=1799012686001>



NCC members might recall a presentation by Buz Brown, CEO of ION Engineering delivered at the NCC's 2016 Spring Annual Meeting in which he discussed ION's patented liquid absorbent technology that produces a more efficient and lower cost way to capture CO₂ than traditional methodologies.

<http://www.nationalcoalcouncil.org/studies/2016/NCC-Spring-2016-Buz%20Brown-ION-Engineering.pdf>

ION's technology is being tested at TCM ~ learn more here:

<https://www.youtube.com/watch?v=CCQn9z3wzKg>

