

**Location:**

**Mongstad, Norway**

**Mission:**

- **Test, verify and demonstrate CO2 capture technology owned and marketed by vendors**

- **Reduce cost, technical, environmental and financial risks**

**Sponsor /**

**Ownership:**

**Gassnova (State enterprise), Statoil, Sasol, and Shell**

**Technical Operator - Statoil**

**Website:**

**www.tcmda.com Contact: Roy Vardheim, Managing Director rv@tcmda.com**

TCM is a one-stop shop whereupon confidence in vendor's technology can be built through demonstration at large scale at significantly reduced cost and time. TCM and its owners provide an infrastructure and skilled technical resources to ease the vendor and technology route to market.

TCM provides a fully-functioning facility to perform the last qualification stage before full-scale deployment in an industrial environment, both from a construction and operational perspective.

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.

Capture Type: Post-combustion.

Technologies: Two existing units designed to test different solvent-based technologies with the space available to add other units / technologies.

Capacity: Two units each approximately 12 MWe in size, combined capturing a total of 100 000 tonnes CO2/year.

Available area/utilities to plug in and test mobile test units.

**Accomplishments:**

Successful test campaigns with Aker Solutions, Alstom (now GE), Cansolv and Carbon Clean Solutions.

Extensive MEA campaign testing providing a valid baseline for a variety of CCS applications, both in the process industry and in power production.

