

We hereby provide information about our organisation with the intention to team up with other CCUS experts. We are interested in discussing new project proposals to upcoming ACT Calls related to subjects listed below.

1. Name of Institution

DMT Environmental Technology

2. Specialities field within CCS

Biogas Upgrading:

Biogas can be produced through the digestion of biological waste and is considered to be one of the most important sources of renewable energy as a replacement of natural gas. To make use of biogas it needs to be upgraded (e.g. to biomethane for grid injection) by removing carbon dioxide and harmful substances.

DMT offers the Carborex[®]MS which includes a membrane separation system to optimize biogas. Optionally, this CO₂ stream can be liquefied so that it can be sold as liquid CO₂.

Biogas Desulphurization:

Syngas is produced through the gasification of a carbon containing fuel and used as intermediate in generation synthetic natural gas. Both biogas and syngas contain hydrogen sulphide (H₂S) which needs to be removed due to its toxicity but also to prevent corrosion problems and Sox emissions. Therefore gas desulphurization is essential.

DMT offers 3 desulphurization systems; based on a biological process (Sulfurex[®]BF), based on a chemical process (Sulfurex[®]CR) and based on a combination (Sulfurex[®]BR). DMT will select the best process for your application, gas flow rate and sulphur load, herewith maximizing your return on investment.

3. Website

<https://www.dmt-et.com/>

4. Contact person:

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