

# Anaerobic digestion and heat generation at Sugar Corporation of Uganda

*Lugazi, Uganda*

The climate protection project is located at the SCOUL complex in Lugazi, Buikwe District, Central Region, Uganda.

SCOUL operates a large sugar production plant with a capacity of 50,000 tons. During the processing of the cane, molasses is produced within the production process and this molasses is used again to produce industrial alcohol with a capacity of 9,000 l / day in a distillery.

The project operator has completed an entire process optimization, which has been certified. This includes, for example, the new organization of the distillery with vacuum distillation instead of

atmospheric distillation as before. A lot of water is needed during the production process. The waste water is used for field irrigation or as a humidifier for the bio-composting plant. The resulting mud overflow is used as fertilizer in the cultivation of the sugar cane. A biogas plant fed from balm replaces a previous oil stove.

Type of project:

Energy efficiency

Project N°:

121

Certifier:

Carbon Check (Pty) Ltd.

Type of certificate:



UN Agenda 2030 Goals (see page 55):

1 8 13 15

