

BIOGAS for existing GENSET

Containerized biogas plants, like Bert Mobil (BM), offer completely new opportunities. This document is just focussing on one very basic utilisation of Bert Mobil (BM) for GENSETS.

Bert Mobil (BM) is a fully mobile biogas plant. BM comes fully pre-manufactured ready to operate. This now offers new opportunities to all GENSET holders.

GENSETS, operated by Diesel or other fossil fuels are usually costly in its operation and maintenance.

Now, what can BM do with these GENSETS?

All you need is a digester, to produce biogas, which is used as fuel in the existing GENSET. BM now is offering this opportunity, since the 40' Bio-Digester (BD) could be placed next to the existing GENSET. Since the GENSET is already in place, the BM investment become relatively minimal. (Short ROI)

Key advantages of running the GENSET with biogas:

- 1) Reduction in alternative fuel cost, by using biogas, product from free biowaste
- 2) Producing a fertilizer with the BD, that can be sold
- 3) Producing constant electricity thereby reducing the current electricity bill
- 4) If heat or cold is needed, this could be provided additionally, and further reduces cost

What are the issues to look at, when you want to look closer at these options? Check the following 4 questions:

- 1) Do you have access to biomass, minimum 3 tons per day? This serves as the fuel.
- 2) Do you have physical space to put a 40' container next (or nearby) to your GENSET?
- 3) Can your GENSET be retrofitted to a dual fuel application, allowing to run with your current fuel and with biogas? Check with Genset manufacturer, retrofit provider or us.
- 4) Do you need constant power: 24/7/365?

If you can answer YES to these 4 basic questions, it looks like the use of BM is a viable and interesting option for the current utilisation of your existing genset. This will reduce your OPEX.

Your currently "cost-centre" GENSET can be turned around into a "profit-centre", reducing your electrical bill (cost savings) by generating electrical power, heat, cold (space cooling, refrigeration, etc) and a fine not smelling fertilizer.

This option becomes now available by using BM 40' Bio-Digester (BD) to produce biogas as substitute for your existing fuel. The dual fuel options allow you always to run your GENSET as you do it today.

For more information about this option, please contact your local Bert Partner or sent an email at info@bert-energy.com.