

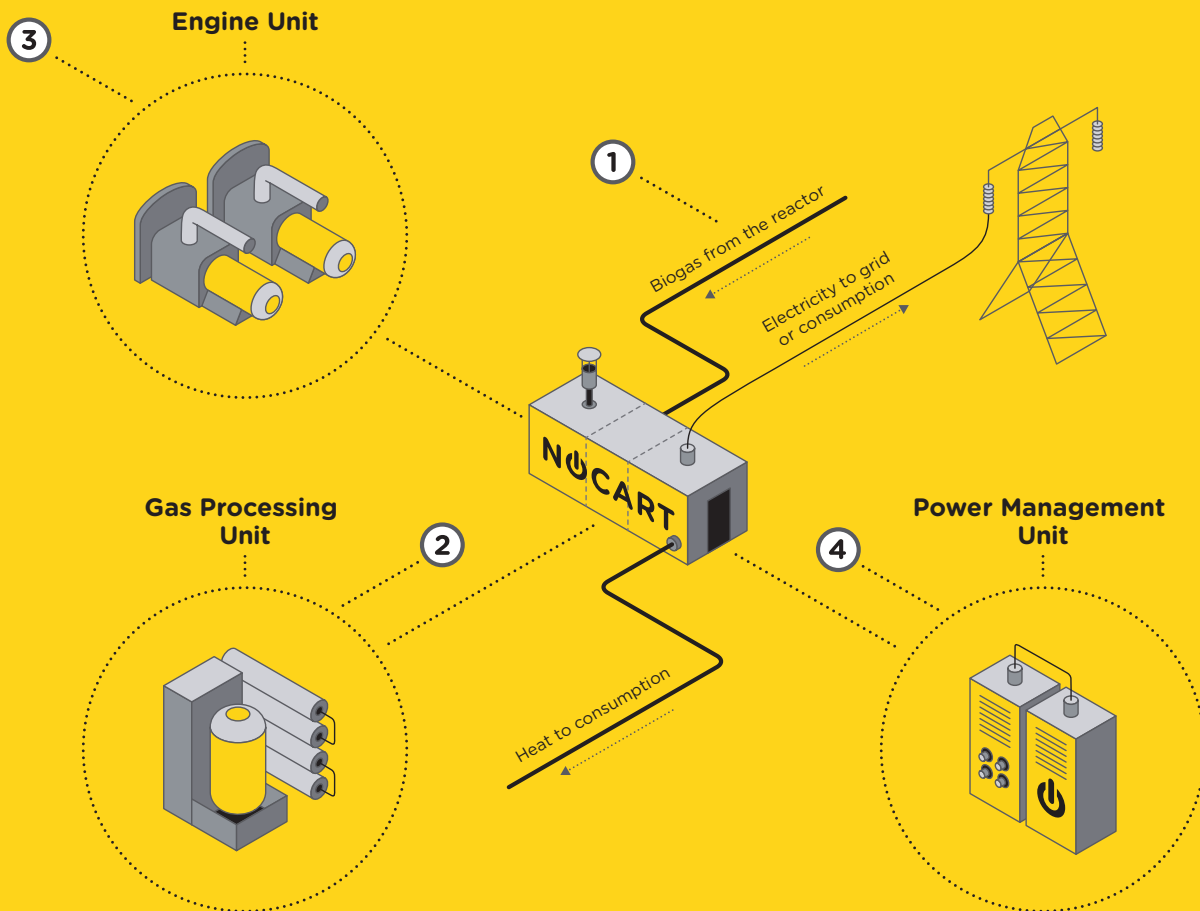
Nocart Biogas Container

What does it do?

The Nocart Biogas Container processes biogas and purifies it to methane, which is used as a fuel for the gas engine. The generator makes electrical power, which is controlled by the Nocart Power Management Unit (PMU). Electricity is fed to the grid or local use, the produced heat can be used in biogas process and for other purposes.

Features

- Complete package
- Standard 40-foot sea container
- Easy to transport, classified as a sea container
- Maximum electrical power 200 kW
- Thermal power 400–600 kW
- Bushings and cable conduits are pre-marked
- On-site only:
 - Installation of heat exchangers
 - Installation of the torch
 - Preparation of the openings
 - Preparation of the means of access
 - Connecting the gas line
 - Connecting the electrical supply
 - Installation duration approximately one week by two engineers



Nocart Biogas Container – Modular Solution for Power Generation

The Nocart Biogas Container has an engine unit, a gas processing unit, and a Power Management Unit (PMU).

Upon a need and availability of gas, additional containers can be added.

1. The biogas created in the process then travels along a pipe to the gas processing unit.
2. The gas is compressed, cooled down, and filtered.
3. The methane is burnt in engines which rotate the generators.
4. The generators are connected to the Nocart PMU, which feeds the electricity into a local micro grid or the existing grid or batteries.