



NAWARO® and the Environment – Eight Principles

1. **The NAWARO® approach is environmentally-friendly and innovative.** For the first time, baseload electricity can be generated from biomass on an industrial scale and with an optimal environmental net balance.
2. **The modular concept of our BioEnergie Parks contributes to ensuring biodiversity in farming.** Each one of our parks is composed of forty modules that can be operated with different kinds of crops.
In this way, NAWARO® promotes biodiversity in agriculture. We provide professional advice regarding cultivation and harvesting for our contract farmers.
3. **Our logistics concept minimizes impacts for local residents.** Together with local farm suppliers, NAWARO® develops a logistics concept for each site that is carefully designed to reduce delivery traffic to the necessary minimum.
4. **Our electricity generation process is CO₂-neutral.** Since the carbon dioxide that results from biogas production equals the amounts taken up from the environment by the energy plants during growth, the net balance is CO₂-neutral; this means that our power stations help reduce global warming.
5. **Our process for generating electricity is highly efficient.** The industrial NAWARO® concept enables us to produce baseload power, 100 percent of which can be fed into the power grid. Costly investments in grid management systems are superfluous. Together, this makes our concept highly attractive for the national economy.
6. **Waste heat is used in the production processes.** An integral part of each BioEnergie Park is a fertilizer production facility that utilizes the waste heat from electricity generation. Thanks to this method, the energy utilization rate of the total process is more than 80 percent, whereas conventional thermal power stations achieve rates of only about 45 percent.
7. **All byproducts are utilized in the production cycle.** In our fertilizer factories, nutrients that are not degraded during the fermentation process—in particular, nitrogen, phosphate, and potassium—are processed and improved to create high-quality depot fertilizer. All that remains after the energy generation process is water.
8. **The NAWARO® concept is not only environmentally-friendly; it is also of value for the national economy.** Our contract farmers acquire new economic perspectives in the growing renewable energy market. We also create qualified employment opportunities in rural areas of northern and eastern Germany.