

Getting Renewable Energy from the Natural Gas Network onto the Road: Bio Natural Gas

In Sweden, E.ON runs 32 filling stations that offer a mix of half natural gas and half biogas. At these stations, almost 110 million KWh of biogas filled up car tanks in 2009. In total, almost 150 million KWh of biogas were produced in plants that are E.ON participations. This quantity is enough to provide an environmentally friendly way for 30,000 gas powered vehicles to cover 10,000 kilometers per year.

E.ON is also pressing ahead with bio natural gas in Germany. In Schwandorf, northern Bavaria, it runs the largest facility in all of Europe for processing biogas to bio natural gas. The carbon-neutral fuel fed directly into the existing natural gas network in Schwandorf supplies 5,000 households. Increasing the use of bio natural gas in Germany as fuel for cars powered by natural gas is another

goal. Accordingly, E.ON network operators are supporting the establishment of the first bio natural gas filling stations there.

Bio natural gas is a renewable energy source that can be produced regardless of energy imports. In a first step, biogas is generated from biomass and then processed into bio natural gas. It can be easily stored, mixed with traditional natural gas, and therefore transported via the existing natural gas network.

The biggest advantage of using bio natural gas is that its combustion only releases the exact amount of CO₂ into the atmosphere that was previously removed by the biomass used to make the fuel. Bio natural gas is therefore carbon-neutral.



In Sweden, E.ON customers can fill up a climate-friendly mix of 50 percent biogas and 50 percent natural gas at 32 gas stations today.

