

Important Message

CO₂ Usage confirmed:

On the 25.07.2009 the **egm international GmbH** from Papenburg introduced a new technology which is based on a vortex converter process to public. This technology can bound in an universal way substances in liquid, and also separate bounded substances from liquid. A repute certificated laboratory for environmental purposes has now confirmed the reaction of oil with water extension. (See attached assessment)

In a block-unit heating power plant(BHPP) of the operating company SW Energy from Hunteburg near to Osnabrück a **new innovation fuel existing of 25% rapeseed oil and 75% water incorporated with CO₂** was fabricated and afterwards directly fed into the BHPP.

Supplementing it has to be advised that it does not play any role by this technology, whether vegetable oils or fossil burnings or fuels in liquid form are used. In substitution of normal tap water, also custom or sea water can be used. **The produced burning or fuel reduces the cost price for the basic supply up to 70%.**

For the first time the possibility exists with this new produced alternative bio energy, to place itself into competition with conventionally produced electricity from nuclear energy or brown coal. **A cost of production below 4 ct/KW/h is realizable.** Follow-up costs like e.g. with nuclear power do not arise.

Because there is used, cracked and bounded **CO₂** during production, there are many further possibilities within the value chain. So that this technology the strategy of the effort of „**CO₂ free coal-fired power stations**“ can be used for the energy companies. With these in principle free pollution coal-fired power stations, the CCS technology applies for **CO₂** to liquefy in the trail. In the further stage the egm technology will make an ecologically positive output possible.

With the egm technology can be **renounced** of the very expensive and risky underground **storage of liquid CO₂** and negatively occupied carbon dioxide could be tracked back positively, energetically meaningfully and environmental exculpatory into the natural cycle. Thus the political environmental goal of a positive energy balance is reached.

The **egm Technology** offers various options not only for industry and final consumer but gets a **political economical meaning with its innovative impulse**. A further perspective is, to limit the dependence from expensive imported energy and react to the prognosticated resources scarceness in time. Thus not only secures the economic situation in Germany, but creates also new jobs in the direction of export.

Since this technology is **mobile applicable** not only stationary, this would be at short notice an advantage for the domestic shipping.

The industrialization of the **egm fuel and combustible extension** is in planning at the moment, so that probably within this year the first BHPP will be connected to the electric network.

In summary the **egm Innovation** will not only give a **signifikant contribution to the discharge of the environment** but also to the **international economic growth**. Substantial criterion for it is the increased efficiency of the assigned bio energy when simultaneous synergistic use the climatic relevant greenhouse gas CO₂.

Papenburg, 2nd November 2009