

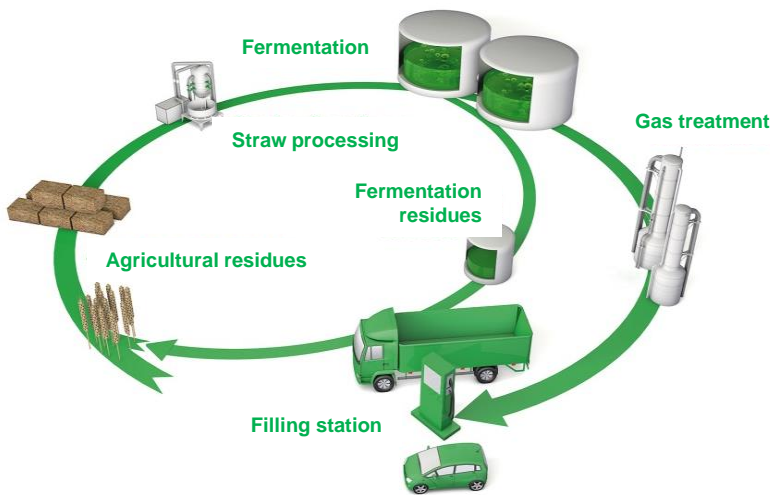
EU funded project „DE BIOh Verbiostraw“ Production of biomethane from 100% straw

About the project

Within the framework of the **EU funding programme NER300** the European Union supports the further development of VERBIO's innovative technology to produce biomethane from 100% straw at its production site in Schwedt/Oder with **up to EUR 22.3 million** during **2014 – 2019**. The funding amount is based on a **fixed rate for biomethane fed into the gas grid**.

VERBIO-demonstration facility Schwedt/Oder

- ➔ **Technology:** **mono fermentation of straw**
(biomethane equal to natural gas made of 100% straw)
- ➔ **Plant capacity** (final stage 2019): **16.5 MW (136 GWh/a)**
- ➔ **Feedstock** (final stage 2019): **40,000 tons of straw p.a.**
- ➔ **1st feed** into the gas grid: **4th quarter 2014**
- ➔ **Sustainability:** no foodstuffs used as feedstock
fermentation residue marketed as a high-quality fertilizer to restore humus balance



Natural resources

- ➔ straw processing to biomethane of such dimensions is unique throughout the world
- ➔ feedstock gained from agricultural residues only, being available in large quantities:
 - ➔ **8 – 13 million tons p.a.** unused straw potentially available in Germany
 - ➔ **13 million tons of straw = 25 TWh/year** corresponding to the **fuel consumption of about 5 million cars/year**

Marketing and sale

- ➔ marketing under the brand **verbiogas**
- ➔ as a **biofuel for natural gas vehicles** in public and private transportation via the existing **natural gas filling stations of public utilities and energy providers**
- ➔ as innovative **alternative fuel for trucks in dual-fuel mode** (biomethane-diesel-mixture used to run diesel engines)
- ➔ VERBIO itself currently operates the **biggest test fleet of dual-fuel vehicles** throughout Germany consisting of **12 trucks**