



# BENREG Europe GmbH

**Bewirtschaftung Natürlicher Ressourcen,  
Energien und Globaler Erkenntnisse**

**Cultivation of Natural Resources,  
Energies and Global Knowledges**

**Anlagenbau und Betrieb, Global Marketing  
und Verkauf, Konzeption und Entwicklung**

**Plant Engineering, Production &  
Operation, Marketing & Research**

## Company Profile

### 1. General Information

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Founding Companies : a) ProCone Gasification Systems GmbH,

b) UTI-JAEGER GMBH Umwelttechnische Innovationen

Founding date : in 1994 (UTI), in 2005 Benreg Europe GmbH

Register of companies : UTI-JAEGER GMBH/ Benreg Europe GmbH 1994 - 2005

Company capital : EUR 50.000 (as curatorial at HRB 107673 AG München reg.)

Common Nominal Value (Benreg & ProCone) for ready -made gasification tec: EUR 45 Mio.



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## 2. Purpose

The company is founded for the international development, design, production and distribution of:

- a) Plants for the recovery and recycling of methanol, electricity, steam, heat/ cooling from waste material, coal, wood, biomass, wind and water as well as waste disposal and valuable material and nutrient recovery.
- b) Special gas engines for combined heat and power plants.
- c) Special MeOH- Freikolben CHP- Engines respectively Virtual installed Power Stations for the de central respectively central electricity, heat and cooling production from Methanol in order avoiding cost intensive and central nuclear and coal power stations, attended by its high heat wastage and high conduction loss by the usual overhead power lines.
- d) Specials referring to the different gasification systems:  
Benregs' Fixed Bed Gasification had been - contrary to the technical standard of the Co Gasification of carbon dust - purpose- built for the gasification of solid fuels, like wise coal briquet up from brown coal to coal waste (e. g. from eastern steel cooke ries) ,waste, sludge and hasn't competing against Co Gasification Sys tems, finally. On the contrary Benreg commutes her synt hetic gases, produced by her gas produ cers, in a down-streamed processing by similar methanol synthesis plants to methanol, like wise the Co Gasifiers.

The company is able to purchase, administer and sell property as well as to participate with or invest in other companies with the same or similar aims inland or internationally. It can found branch offices. As well we prefer the foundation of Joint Venture Operation Companies (JVOC) in case of a minimum of 10 % of the plant invest can give a 10 % put down money respectively can get according government grant.

JVOC - Shareholders consisting from Industry, City - Governments, Coal miners, Wood and Land Farmers etc. are welcome.

The modular Benreg Universal Plants can be built and operate up from an input of 450.000 t/ a to "endless" plant units, especially in case of producing methanol from coal, coal waste and other biomasses.

Actual Partners : Georg O. P. Jaeger, CEO of Benreg Europe GmbH

Adrian G. Fürst, CEO of ProCone Gasification Systems GmbH

Bank account(s) : Germany: HVB, CH: Post Finance, UBS AG, Zürich, AKB.



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## 3. Core activities

BENREG core activities lie in the cultivation and conservation of natural and human resources through:

- a sustainable energy and nutrient and material recovery system for domestic, industrial, hazardous and organic waste material and the optimisation of biomass (coal included), wind and water power plants;
- the highest possible degree of pollutant and waste reduction through special closed gasification and cleansing systems producing an inert plant output that can be used in house building, road or embankment building.
- the minimisation of separate waste collection systems for all kinds of waste material;
- the intensification of socio-ecological agriculture through the promotion of an energy and nutrient cycle based upon biomass.

## 4. Company development / geographic reach

The BENREG Group is looking to establish a leading position in the Asian, America and European Markets and particularly to distribute respectively to participate in the operation of BENREG UNIVERSAL PLANTS, cooperation with local companies is preferred.

## 5. Company positioning

The BENREG Group continues to forward research, development and construction projects (investment by the partners to date: approx. 45 Million EUR).

The BENREG develops, plans and realises turnkey BENREG -Universal Recycling and Energy and Material Recovery plants (UNIVERSAL PLANTS). It can function as coordinating planner, realisation company or as manufacturer of individual components.

- |                                    |               |
|------------------------------------|---------------|
| - Fuel logistics                   | BasuraLoad    |
| - Gasification plants              | BasuraGas     |
| - Gas purification                 | BasuraClean   |
| - Water and waste water processing | BasuraWater   |
| - Heat installations               | BasuraHeat    |
| - Power installations              | BasuraPower   |
| - EMSR-controlling technology      | BasuraControl |
| - Consulting/Engineering           | Consulting    |



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## 6. Patents and trademarks

Patent registrations	a) PROMETHEUS and BASURA Gasifiers b) BENREG UNIVERSAL PLANTS
Patent Office	Bundesamt für geistiges Eigentum in Bern / Patent Office, Bern
Patent registration International	for a) CH-00 039/00 from 10.01.2000 for a) PCT/CH 01/00001 from 03.01.2001
Inventor and owner	for a) Adrian G. Fuerst, Gunzgen for b) Joint patent application by partners Adrian Fuerst, Georg O. P. Jaeger PCT-application from Nov. 04
Patented Inventions	a) Gasification Plants for solid fuel materials b) BENREG UNIVERSAL PLANTS.

## 7. Reference Units

In 1999 – 2002 ProCone operated with some 500 kg/ h gasifier plants for waste and sewage sludge.

In 2003, the first ProCone Gasification Plant (for contaminated wood waste) with a Gasifier's Capacity of 2,5 t/ h had been built at Siebenlehn/ Germany in 2003.

Since 2009 there are available another capacities of 6,5 and 12,5 t/ h.

The 12,5 t- Types as well will be used for the under construction being Coal To Methanol & Electricity Plant (cap. 450.000 t/ a) of our JVOC- Partner, the Chinese Taifeng Company in the Inner Mongolia as the two Municipal and Industrial Waste to Methanol & Electricity at Sarajevo and Banja Luka.

Each of the plants consists of the - 10 to 30 years practiced and completely against construction and operation risks by the Allianz AG and others insured - COMPONENTS of

- the Synergetic Gas Production Electricity production by ProCone GmbH, Switzerland,
- the Electricity Production by Siemens Schweiz AG, or by producers, as especially appropriate to the individual user country and
- the Methanol Production from the SynGases by Lurgi GmbH Frankfurt, or by producers, as especially appropriate to the individual user country.

How ever are that three plants under construction global inimitable in its components' combination, presently, where for different and global treatment patents accordingly are ready for application.



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As well the Benreg Universal Plants ("Universality" is our obligation) don't consume any electricity from public nets and don't draw on any sewage sludge or water cleaning plant but produces so called Zero Emissions.

## Trademarks

The following trademarks and trade names are/will be protected :

- Brand Name "PROMETHEUS-Vergaser" and "BASURA-Vergaser"
- "BENREG UNIVERSAL ANLAGEN"

Switzerland / Germany in March 2011

Benreg Europe GmbH Germany  
& ProCone GmbH Switzerland.