



Palaterra®
The Green Deal

Let's make a green deal.

The Company

One revolutionary idea and many enthusiasts: The formula for success.

In November 2009, Joachim Böttcher and juwi founded the international sales company Palaterra GmbH, whose goals are the advancement and comprehensive extension of the new Palaterra®-technology. Not only does this technology guarantee sustainable agri- and horticultural productivity, it is also based on formerly redundant materials which can now add significantly to the local value.

Where the new earth is born

In the course of a study financed by the Rhineland-Palatinate Ministry of Environment, these production processes have been optimized by means of field tests with scientific support. The potentials of the technology developed hereby have moreover been extracted as an integral part of an innovative circulation concept for the first production plant worldwide in the Morbach region (Hunsrück).

The first facility for a large-scale production of Palaterra has been completed in September 2010 at Hengstbacherhof. This unique venture, the world's one and only organic cycle plant, sets a benchmark towards an integrated materials flow management.

In Germany, a limited number of these larger facilities are planned, as well as smaller commercial branches.

Future sites for Palaterra® production facilities will be realised with local partners, considering studies on potential, location and feasibility, all in respect to a sustainable materials flow management. Special focus will also be laid on the local application and commercialization.

Let's make a green deal

Besides planning further production facilities, we are currently focussing on establishing supraregional distribution channels, in order to support the local manufacturers in their marketing of Palaterra®. This will also help us guaranteeing a nationwide provisioning with Palaterra® products to meet both private and industrial demand.

Agriculturists, companies as well as municipalities and unions are our intended partners for setting up Palaterra® production facilities as franchisers and licences.

An ideal location will have sufficient base material available, such as crop residue, manure, dung, compost, etc. In our facilities, these organic materials will be converted into premium Palaterra® products that have been certified by the relevant quality control associations.

Come and join us

Please contact us if you are interested in the Palaterra®-technology, our products and production facilities, or if you happen to know the perfect location for one of our facilities. We will provide you with further information and arrange to an interview.

Pilot Plant Hengstbacherhof

The first production facility for up to 1.500 m³ Palaterra is already operating. Besides producing high-quality Palaterra®-products, the plant is also meant as a demonstration facility for prospective clients. It was commissioned in autumn 2010.

The Palaterra® pilot plant is situated at Hengstbacherhof near Rockenhausen, in Rhineland-Palatina. The plant will produce Palaterra® using municipal green waste and remains of a biogas plant. Other ingredients depend on the differing end products.

The first Palaterra® production facility offers a unique combination of treating fluid and solid bio mass (residue, manure, dung, compost, by-products of harvesting etc.) and production of high-quality substrate, with the main focus on the perfect utilization, recycling and upgrading of all ingredients (organic material, nutrients, water).

While the solid properties, including the nutrients, are largely converted into Palaterra®, the liquid properties, after passing the stages of treatment, could be used for the irrigation of biofuel crops.



Energy Landscape Morbach, fotografi: juwi

Morbach: Site of the first Palaterra® Plant

The Morbach Energy Landscape is a ground-breaking project that can well serve as a model project. Here, the concept of an integrated materials flow management, meaning closed material - and energy cycles, is put into practice: the site combines a wind farm with a biogas plant and a solar power plant, all three contributing to the local forestry, farming and industry. This blend of regenerative energies produces clean and climate-friendly electricity. By now, all local private households in the area are being served with renewable energy; supplying the local businesses is our goal for the next five years. The biogas plant does not only deliver heat to the adjacent wood chip production plant. In addition, local organic waste such as crop can be used for heat and energy production and thus help communities to save money. The waste heat produced by the two biogas plants will be fed into an adjacent wood pellets press.

The fermentation plant will turn over about 50.000 mg p.a., the output of digestates will amount to approx. 45.000 mg. So far redundant local biomass, such as lop accumulating in the municipality, could also be integrated into the overall concept of the "Morbach Energy Landscape", thereby sparing the state of Rhineland - Palatina considerable expenses.

Taking all this into account, Morbach is the perfect location for a Palaterra® plant, with an annual production of 50.000 m². At present, the Morbach plant is still in the process of approval; the launch is scheduled for the end of 2011. We will gladly keep you updated on our progress.

Nominated for

