



Green Blue Energy Factory

DEMO collection



BMW plant in Leipzig, technology supplier: WDP Windanlage GmbH & Co.KG



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G.E.O. - Gesellschaft für Emaillierung und Oberflächentechnik GmbH

Company Description

The "Gesellschaft für Emaillierung und Oberflächentechnik GmbH" looks back on 115 exciting years of industrial history. Since 1898 the enamelling process has taken place in Geithain (Saxony); on the borders of Germany and Europe, "Geithainer Emallierwerk" represents quality and innovative products in the enamelling industry. Founded in June 1898 by the "royal regional court in Geithain", it lived throughout the World War, the economic crises, survived the almost complete dismantlement of the factory, endured incorporation in collectives, the turmoil of the post-reunification period and the privatization by means of a trustee. With the new start in 2005, the old traditions and successes are applied to the enamelling of boilers and polyurethane hard foam-proofed containers. In the last eight years the company has been investing in renewable energy in order to face the costs due to the wide consumption of energy and heat. It has created more than 45 jobs in the field of renewable energies and increased its competitiveness on the market.



Figure 32 - The company in 1898

GBE FACTORY characteristics

Due to the strong consumption of energy, the company has decided to invest in renewable energy. In 2011 was realized a power station (207 kWh therm. / 140 kWh elect.) and 2010 three photovoltaic systems, with an overall performance of 955kWp (energy: 897.700 kWh/a), were installed on every roof of the company's modernized premises. With the commissioning of the power station and the electricity produced included in the price, it is the only enamelling factory in Europe which self-produces and covers for 100% of its energetic needs with proper renewable sources. Until now over 3 Gig watt ph. have been produced, which corresponds to the electricity consumption of 1.000 households per-year. The total investment for the above mentioned systems sums up to 2,1 Mil. Euros.