

**References Biomass Utilization, Solar Energy, Hydropower**

<b>Project</b>	<b>Location</b>	<b>Subject</b>	<b>Technical Data</b>	<b>Service UTEK</b>	<b>Customer</b>	<b>Year</b>
<b>Wood Chip Heating</b>	Celle Niedersachsen	biomass	Heating a priority home by wood chips	concept and economical evaluation	Lobetalarbeit e.V. Celle	2007
<b>CHP with Palm Oil, Gas Turbines</b>	Nettgau	palm oil, gas turbines	palm oil CHP for the pulp industry, other CHP potentials	site analysis with energy balance, dimensioning cogeneration plant and gas turbines, cost estimation, economical evaluation	industry	2007
<b>Wood Chip Heating</b>	Bremen	biomass	wood chip heating in a school by contracting	cost estimation, economical evaluation	Stadt Bremen	2007
<b>Heat Supply Concept</b>	Bremen	renewable energies	steam production for a laundry based on renewable energies	concept, cost estimation, economical evaluation	Stadtwerke	
<b>Solar Plant Weserstadion</b>	Bremen	photovoltaic	installation of photovoltaic modules on the roof of the "Bremer Weserstadions"	consultations	Bremer Weserstadion	2005
<b>Solar Plant Orphanage</b>	Bremen	solar thermc photovoltaic	installation of a solar hot water production (20 m <sup>2</sup> ) and photovoltaic modules (6,6 kWp) in a Bremen orphanage	solar concept with economical evaluation, detail planning, bids for tender, supervision	St. Petri Kinder- u. Jugendhilfe e.V.	2004
<b>Wood Chip Heating</b>	Harpstedt Niedersachsen	biomass	district heating for several schools with wood chip heating	draft planning, functional bid for tenders	Samtgemeinde Harpstedt	
<b>Wood Chip Heating</b>	Bremen	biomass	wood chip heating for several schools	concept with data research, energy balance	private	2003
<b>Mobile Wood Chip Heating</b>	Harpstedt Niedersachsen	biomass	district heating for municipal properties with a transportable wood chip combustion; to supply the baths in the summer	concept, economical evaluation	Samtgemeinde Harpstedt	2002

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<b>Wood Chip Heating</b>	Bremen	biomass	biomass heating center with district heating for public and business customers	concept, economical evaluation	private	2002
<b>Wood Chip Heating</b>	Hannover	biomass	wood chip heating for industry	consultations	Stadtwerke Hannover	2002
<b>Schools</b>	Ahlhorn	biomass	remediation of the heating center of a school with wood chip combustion (300 kW), gas burner (600 kW), chip storage, heat distribution	planning, bids for tender, supervision	Gemeinde Großenkneten	2002
<b>Rape Oil - Biodiesel</b>	LK Lüneburg Niedersachsen	rape oil	utilization of rape, extraction, RME, CHP	draft planning, economical evaluation	Lähn GbR	2000
<b>Wood Chip Heating</b>	Wuppertal	biomass	wood chip heating in a public building	concept: heat supply and logistics	Stadt Wuppertal	2000
<b>Solar Plant Schools</b>	Bremen	photovoltaic	PV-plant with 5 kWp; grid connection, data connection to energy management system	planning, bids for tender, supervision	private	2000
<b>District Heating with Wood Chip Combustion</b>	Verden Niedersachsen	biomass	wood chip heating with district heating, capacity 3 MW to supply municipal properties	planning and supervision; project within EXPO 2000, Hannover	Stadtwerke Verden	1997
<b>Biomass-CHP</b>	Verden Niedersachsen	biomass	industrial CHP based on wood chip combustion, 10 t/h steam production, steam engine as option	concept, economical evaluation	Industrie	1999
<b>Hydropower Potentials</b>	Scheeßel Niedersachsen	hydropower	potentials of water and wind power in Scheeßel	potentials, economical evaluation	Gemeindewerke Scheeßel	1991
<b>Hydropower Potentials</b>	Diepholz Niedersachsen	hydropower	hydropower utilization from the Strothe river for the wastewater treatment plant Diepholz.	concept, economical evaluation	Landkreis Diepholz	1989

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<b>Solar Plant</b>	Zeven	photovoltaic	PV-plant (6 kWp)	planning, supervision	Stadtwerke Zeven	1997
<b>Solar Plant</b>	Bremen	solar thermic	solar plant for hot water production	planning, supervision	private	1991
<b>Biomass Potential Bremen</b>	Bremen	biomass	energy potentials from biomass in Bremen and around	potentials	Bremer Energiebeirat	1988
<b>Hydropower</b>	Bremen	hydropower	development and description of a rotating wing water turbine in free flow water	R&D-project	Land Bremen/ UTEK	1989
<b>Solar Regulator</b>	Bremen	photovoltaic	monitoring data for a PV-regulator	technical evaluation, restructuring	AEG	1985
<b>Wood Chip Heating</b>	Brandheide Niedersachsen	biomass	wood chip heating for a house	draft planning, dimensioning, supervision	private	1984
<b>Solar Plants</b>	Braunschweig	solar thermic	2 solar plants for hot water production	planning, installation	private	1981
<b>Low-Cost Solar Plant</b>	Grærupstrand Dänemark	solar thermic	low-cost solar plant for hot water production	planning, installation	private	1981
<b>Solar Plant</b>	Fischbek Schleswig-Holst.	solar thermic	solar plant for hot water production	planning, installation	private	1980