

References Biomass Utilization, Solar Energy, Hydropower

Project	Location	Subject	Technical Data	Service UTEK	Customer	Year
Solar Plant Blockland landfill	Bremen	solar thermc photovoltaic	Green field plant, 800 kWp	Measuring grid quality	Umwelt Betriebe Bremen	2013/ 2014
Photovoltaic pool Delmebad	Harpstedt	solar thermc photovoltaic	Rooftop installation, 65 kWp	solar concezt with economical evaluation, detail planning, bids for tender, electrical connection	Samtgemeinde Harpstedt	2013
Solar Plant Fair Bremen	Bremen	photovoltaic	installation of photovoltaic modules on the roof of the halls 4-6 of the fair in Bremen, 600 kWp	solar concezt with economical evaluation, detail planning, bids for tender, electrical connection	WFB Bremen GmbH	2012
Wood Chip Heating	Celle Niedersachsen	biomass	Heating a priority home by wood chips	concept and economical evaluation	Lobetalarbeit e.V. Celle	2007
CHP with Palm Oil, Gas Turbines	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
Wood Chip Heating	Bremen	biomasss	wood chip heating in a school by contracting	cost estimation, economical evaluation	Stadt Bremen	2007
Heat Supply Concept	Bremen	renewable energies	steam production for a laundry based on renewable energies	concept, cost estimation, economical evaluation	Stadtwerke	
Solar Plant Weserstadion	Bremen	photovoltaic	installation of photovoltaic modules on the roof of the "Bremer Weserstadions"	consultations	Bremer Weser- stadion	2005
Solar Plant Orphanage	Bremen	solar thermc photovoltaic	installation of a solar hot water production (20 m ²) abd photovoltaic modules (6,6 kWp) in a Bremen orphanage	solar concezt with economical evaluation, detail planning, bids for tender, supervision	St. Petri Kinder- u. Jugendhilfe e.V.	2004

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Wood Chip Heating	Harpstedt Niedersachsen	biomass	district heating for several schools with wood chip heating	draft planning, functional bid for tenders	Samtgemeinde Harpstedt	
Wood Chip Heating	Bremen	biomass	wood chip heating for several schools	concept with data research, energy balance	private	2003
Mobile Wood Chip Heating	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
Wood Chip Heating	Bremen	biomass	biomass heating center with district heating for public and business customers	concept, economical evaluation	private	2002
Wood Chip Heating	Hannover	biomass	wood chip heating for industry	consultations	Stadtwerke Hannover	2002
Schools	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
Rape Oil - Biodiesel	LK Lüneburg Niedersachsen	rape oil	utilization of rape, extraction, RME, CHP	draft planning, economical evaluation	Lähn GbR	2000
Wood Chip Heating	Wuppertal	biomass	wood chip heating in a public building	concept: heat supply and logistics	Stadt Wuppertal	2000
Solar Plant Schools	Bremen	photovoltaic	PV-plant with 5 kWp; grid connection, data connection to energy management system	planning, bids for tender, supervision	private	2000
District Heating with Wood Chip Combustion	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

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Biomass-CHP	Verden Niedersachsen	biomass	industrial CHP based on wood chip combustion, 10 t/h steam production, steam engine as option	concept, economical evaluation	Industrie	1999
Hydropower Potentials	Scheeßel Niedersachsen	hydropower	potentials of water and wind power in Scheeßel	potentials, economical evaluation	Gemeindewerke Scheeßel	1991
Hydropower Potentials	Diepholz Niedersachsen	hydropower	hydropower utilization from the Strothe river for the wastewater treatment plant Diepholz.	concept, economical evaluation	Landkreis Diepholz	1989
Solar Plant	Zeven	photovoltaic	PV-plant (6 kWp)	planning, supervision	Stadtwerke Zeven	1997
Solar Plant	Bremen	solar thermic	solar plant for hot water production	planning, supervision	private	1991
Biomass Potential Bremen	Bremen	biomass	energy potentials from biomass in Bremen and around	potentials	Bremer Energiebeirat	1988
Hydropower	Bremen	hydropower	development and description of a rotating wing water turbine in free flow water	R&D-project	Land Bremen/ UTECH	1989
Solar Regulator	Bremen	photovoltaic	monitoring data for a PV-regulator	technical evaluation, restructuring	AEG	1985
Wood Chip Heating	Brandheide Niedersachsen	biomass	wood chip heating for a house	draft planning, dimensioning, supervision	private	1984
Solar Plants	Braunschweig	solar thermic	2 solar plants for hot water production	planning, installation	private	1981
Low-Cost Solar Plant	Grærupstrand Dänemark	solar thermic	low-cost solar plant for hot water production	planning, installation	private	1981
Solar Plant	Fischbek Schleswig-Holst.	solar thermic	solar plant for hot water production	planning, installation	private	1980