

References Energy Concepts and Consulting

Project	Location	Technical Data	Service UTEC	Customer	Year
EnEV 2014-2016	Oldenburg	Evaluation of the actual energetic norm and their influence of gas-suppliers	Evaluation of basics, calculations, comparison of theoretical and practical consumption of 17 family homes	EWE Netz GmbH	2016
Efficiency table Bremen	Bremen	Round table ("Effizientisch Bremen") to support industrial energy user to activate more efficient potentials	Supervision and coaching of 5 companies (Assistance of energy savings, cost minimization, balances	BEKS Energieeffizienz GmbH	2016 -2018
Energy supply of a new housing estate	Hamburg	Contracting of heat and power supply for 23 new houses with about 300 households	Preparation of tenders and evaluation of the results	fördern und wohnen	2016
School	Verden	Concept for reconstruction of the heating system	Dimensioning, cos calculation for several models (boiler, cogeneration, Pellets, heat pump), ecological and economic comparison	Stadt Verden	2016
Energy audits	diverse	Energy audits corresponding to EDL-G	Realization of the audits	5 Unternehmen	2015
Efficiency table Bremerhaven	Bremerhaven	Round table ("Effizientisch Bremerhaven") to support industrial energy user to activate more efficient potentials	Energy analysis for 3 industrial companies	BEKS Energieeffizienz GmbH	2015
Climate concept churches	Bremen	Main parts of an climate concept for churches	balances of energy for 60 churches and evaluation of the potential fro energy savings	BEKS Energieeffizienz GmbH	2015
School complex	Thedinghausen	Energy concept for a school complex	Concept for heat supply and possibilities of power production by cogeneration	Gemeinde Thedinghausen	2015
Church	Bremen	Energy concepts for two churches in Bremen	Evaluation of state of the art and development of recommendations for improvements	BEK	2013 2014
Optimization district heating	Wendland/ Göttinger Land	Optimization of the district heating systems of 6 bioenergy villages	Analysis of existing district heating systems of biogas plants, determination of potential for more efficiency	BioenergieRegionWendland-Elbtal	2014 2015
Controlling cogeneration	Rotenburg (W.)	Controlling of cogeneration units	Providing of excel files	Stadtwerke Rotenburg	2015

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<i>KfW initial and detailed discussions</i>	Niedersachsen	Energy efficiency in industrial and commercial enterprises of different industries	Creation of KfW -funded energy advice	different industries	2009 -2014
<i>Energiezentrum Lübeck</i>	Lübeck	Concept for the reconstruction of the existing heating systems for several buildings in Lübeck (cogeneration, gas boiler, heat engine)	concept, cost estimation, economic evaluation	Stadtwerke	2013
<i>Pilot school</i>	Bremen	Energy analysis of a pilot school and hangar	Determination of saving potentials, proposals for energy-saving measures	Industry	2013
<i>Energy analyses/ efficiency table</i>	Bremen/Oldenburg	Participation in the efficiency table North West II, developing energy analyses	Developing energy analyses for industrial enterprises (2 dairies, flour mill, recycling, Vehicle electronics)	BEKS Energieeffizienz GmbH	2012 -2013
<i>Chemical industry</i>	Wesel/Kempen	Energy analysis of 2 units of a chemical plant	Inventory, development of energy saving measures	Industry	2012
<i>Disposal operation</i>	LK Aurich	Energy analysis of a large disposal units in Wangerland	Determination of saving potentials, proposals for energy-saving measures	Nehlsen GmbH	2010
<i>Industry</i>	Bremen/Oldenburg	5 industrial companies from different industries	Developing energy efficiency analyses within the efficiency table North West	BEKS Energieeffizienz GmbH	2010
<i>Contracting hospital</i>	Lüneburg	CHP 575 kWel, with biomethane	Contracting tender for central heating with bio-methane cogeneration	Psychiatrische Kliniken Lüneburg	2009
<i>Energy saving food industry</i>	Landkreis Diepholz	Waste heat potential, adapted ventilation practice	Feasibility study	EWE	2009 -2010
<i>CO₂ free energy supply</i>	Landkreis Verden	CO2 free energy supply of a commercial centre	Feasibility study	EWE	2009
<i>Energy Analysis chemical plant</i>	Wesel	Chemical plant	Developing of energy balances	Industry	2009

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Energy Analysis Industry	Bremen	Bremen businesses and industries	several energy analyses within the "Bremer Gewerbe Impulsprogramm"	Bremer E-Konsens, GmbH	2004-2007
Optimizing Construction Planning Industry	Verden (Aller)	3 schools and 3 gyms in the city of Verden	energetic optimization of planned remediation and constructions; controlling after completion	Stadt Verden,	2000-2007
Industry	Metropolregion Bremen/Oldenburg	8 different industries	energy analyses within the "Effizienztisch NordWest"	BEKS Energieeffizienz GmbH	2007
Cogeneration with District Heating	Bremen	cogeneration plant for a big central heating station in the city center of Bremen	draft- and concept planning, economic evaluation	Senator für Bau und Umwelt Bremen	2007
Cogeneration with Bio-Methane	Minden-Lübbecke	treating biogas to bio-methane, feed into the natural gas pipeline; utilization in 3 decentral cogeneration plants in municipal properties in Minden-Lübbecke county	draft planning, concept	AML Immobilien	2007
Central Heating System with Cogeneration	Rotenburg (W.)	remediation of a central heating station with steam production (13 MWth, 2,5 t/h Dampf) and biogas cogeneration (3 x 500 kWel)	draft planning, concept, economic evaluation	Stadtwerke Rotenburg	2007
Heat Production Hospital	Osterholz-Scharmbek	central heating system with cogeneration for a hospital	draft planning, concept, economic evaluation	Stadtwerke OHZ	2007
Energy Savings inn Swimming Baths	Bremen	7 swimming baths of Bremer Bäder GmbH	support to activate the non- and small-investive energy saving potential	Bremer E-Konsens, GmbH	2004-2006
Waste Heat	Bremen	calculating the waste heat potential in industry	data research, balances, developing a concept for waste heat utilization	Industrie	2006
Energy Supply Concept	LK Nienburg	steam production for a laundry based on renewable energies	draft planning, concept, economic evaluation	Stadtwerke Ettingen	2006
District Heating	Verden(Aller)	district heating with CHP or wood combustion for municipal properties in Verden	draft planning, concept, economic evaluation	Stadt Verden,	2006

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Heat Production in Public Buildings	Minden-Lübbecke	potential applications for renewable energies (wood chips) in 4 large public buildings in Minden-Lübbecke county	draft planning, concept, economic evaluation	AML Immobilien	2006
Gas Turbine	Bremen	gas turbine in industry for the production of steam and electricity	draft planning, concept, economic evaluation	Industry	2006
Cogeneration Plant	Rotenburg (W.)	cogeneration plant in a central heating station (ca. 3 MWel)	concept	Stadtwerke Rotenburg	2006
District Heating	Lilienthal Niedersachsen	existing district heating	evaluation of the cost- and energetic situation	Gemeindewerke Lilienthal	2005
Greenhouse	Celle	energy savings in a greenhouse company	commission and short evaluation	business	2005
Cogeneration Wastewater Treatment Plant	Bremen	cogeneration plant in the wastewater treatment plant in Bremen Farge, possibilities of innovative electricity production	remediation concept, cost estimation, economic evaluation	Hansewasser Bremen	2005
Non- and Small Investive Energy Savings	Bremen	hospital, swimming baths	analysis to activate the non- and small-investive energy saving potential	Bremer E-Konsens, GmbH	2004
Energy analysis Public Transport Company	Bremen	remediation of the central properties of Bremer Verkehrsbetriebe (BSAG)	energetic analysis of innovative ideas and solutions	Bremer E-Konsens, GmbH	2004
Heat supply Housing	Bremen	heat supply for housing (56 and 18 houses)	draft planning, concept, economic evaluation	GBI Bremen,	2004
Ventilation Lights	Bremen	R&D-project „Ventilation Lights“; technical development, validation of the air quality measurements (TOC, humidity, temperature) to support ventilation habits in housing	head of project, in cooperation with Bremer Umweltinstitut and bremer energie-institut	BMWA, Bremer Energie-Konsens,	2004

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Energy Savings Industry	Wismar	heat demand of a shipyard, energy saving potentials, especially conservation processes	draft planning, concept, economic evaluation	industry	2003
Competition "Remediation of a School"	Bremen	competition "Remediation and Extension of a School Center In den Sandwehen in Bremen-Blumenthal"	concept in cooperation with Prof. Ingo Gabriel, Oldenburg	Bremer Energie-Konsens GmbH	2003
Cogeneration Wastewater Treatment Plant	Delmenhorst	Cogeneration plant on the wastewater treatment plant Delmenhorst	draft planning, remediation concept, economic evaluation	SW Delmenhorst	2003
Central Heating Station with CHP	Soltau	central heating station „Soltau-Therme“ with CHP (7 MW _{th} , 1,8 MW _{el})	draft planning, remediation concept, economic evaluation	Stadtwerke Soltau	2003
Energy Analysis Parliament Building	Bremen	building of the Bremen Parliament (Bremisches Haus der Bürgerschaft)	energy savings	Bremer E-Konsens, GmbH	2002
Orphanage	Bremen	heat and electricity saving concept	energy concept	St. Petri Kinder- u. Jugendhilfe	2002
CHP Home for Aged	Emmerich	CHP for a home for aged	energy concept	SW Emmerich	2002
Energy Balance	Verden	biomass CHP for industry	feasibility study with energy balance and potentials	Industry	2002
Mobile Heat Supply with Wood Chips	Harpstedt	district heating with wood chip heating, transportable boiler	prefeasibility study	Samtgemeinde Harpstedt	2002
Wood Combustion	Bremen	biomass heating center with district heating for industrial and public consumers	prefeasibility study	private	2002
Municipal Properties	Minden-Lübbecke Nordrhein-Westf.	remediation of all municipal properties of Minden-Lübbecke county	analysis to activate energy saving potentials	Kreis Minden-Lübbecke	2000
School as Passive House	Bremen	heating and ventilation system of the first ever passive house school building	concept	private	2000

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Energy Analysis Business	Laatzen Niedersachsen	slaughterhouse	energy savings	Gewerbe,	1999 -2000
Energy Analysis Business	Wilhelmshaven Niedersachsen	slaughterhouse	energy savings	Gewerbe,	1999 -2000
Consultations	Land Bremen	subsidies in the energy policy of Bremen Country (waste heat utilization, CHP, low-energy-housing)	technical consultations, project acquisition, processing subsidy applications from business and housing companies	Senator für Umweltschutz Bremen	1992 -1999
Wood Chip Heating	Verden	industrial heating center with wood chips and CHP, steam production approx. 10 t/h, steam engine as option	feasibility study, economic evaluation	Industry	1999
District Heating with CHP	Harsefeld	district heating with CHP	feasibility study, economic evaluation	Flecken Harsefeld	1999
Heating Techniques in Public Buildings	Bremerhaven	heating systems of all municipal buildings in Bremerhaven	data research, evaluation of today's value and the costs for remediation	Stadtwerke Bremerhaven	1997
Heat and Refrigeration Production Ice Skating Hall	Bremen	heat and refrigeration production for an ice skating hall in Bremen	comparing analysis of alternative technical systems	Stadtwerke Bremen	1997
Energy Concept Shipyard	Kiel	remediation of a shipyard in Kiel: heat supply of a part of the shipyard area with district heating, CHP, saving potentials, wood chip combustion, utilization of renewable energies	energetic remediation concept, concept, consultations	Industry,	1995 1996
CHP Swimming Bath	Emmerich	remediation of CHP in the swimming baths Embricana (2 x 495 kWel)	remediation and optimization concept	Stadtwerke Emmerich	1995
Housing	Bremen	CHP for a future district heating on a former industrial area in Bremen-Grohn to be used for housing, including existing housing in the neighbourhood	heating supply concept, potentials	Senator für Umweltschutz Bremen	1995

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CHP in Schools	Bremen	application potentials for CHP in 13 Bremen schools	study including the technical and economical aspects	Sen. f. Umweltsch. Bremen	1995
CHP Hospital	Delmenhorst	remediation of a hospital, energy savings, CHP	energy savings concept	Stadtwerke Delmenhorst	1994
Industrial Area	Bremen	district heating for an industrial area, waste heat utilization from steelworks in Bremen	energy savings concept, estimation of the heat demand	HIBEG	1994
CHP Wastewater Treatment Plant	Schleswig-Holstein	CHP on wastewater treatment plants	recommendations for existing wastewater treatment plants in Schleswig-Holstein country	Energieministerium Kiel,	1994
Compact Shipyard	Wismar	heat supply concept for a shipyard in Wismar, heating center with CHP (2 x 450 kWel),	construction concept	MTW	1993
Remediation Barracks	Delmenhorst	CHP for former barracks	heating supply concept, draft planning, economical evaluation	Stadtwerke Delmenhorst	1993
Energy Concept Shipyard	Bremerhaven	Lloyd- shipyard in Bremerhaven: remediation of the dock pumps, CHP, diese generators, power supply, tariff consultations, wind power	energetical remediation concept	industry	1993
Energy Concept Wastewater Treatment Plant	Bremen	CHP- and waste heat potentials in the wastewater treatment plant in Bremen-Seehausen	energy concept	Stadt Bremen	1990
CHP Potentials	Minden	CHP-potentials for several districts of the cities of Espelkamp and Hüllhorst.	potentials, mainly municipal properties and business	Landkreis Minden-Lübbecke	1989