

CHP Market Directory 2019

Overview of companies in the CHP sector

Introduction

The principle of combined heat and power

Use energy once, benefit twice: this is the principle of combined heat and power (CHP). In the past, electricity and usable heat were usually generated separately, but combined heat and power connects these processes to reduce the overall amount of fuel required. This makes combined heat and power the most efficient way of using fuels to generate energy, regardless of whether the fuel in question comes from fossil or renewable sources. It has enormous potential for the conservation of resources and the protection of our climate. Increased use of CHP can help lower CO₂ emissions and reduce the amount of primary energy needed.

In most cases, CHP is produced by internal combustion engines or gas and/or steam turbines in conjunction with a generator. However, steam engines, Stirling engines, Organic Rankine Cycle (ORC) systems and innovative technologies such as fuel cells are also being used for the generation of combined heat and power. This technology is now available in the form of packaged cogeneration systems for use in companies, and to supply individual buildings in larger properties such as care homes and similar institutions.

The versatility of CHP technology, starting with micro-CHP units through distributed cogeneration systems to the use of local and district heating, offers an inexpensive, simple and environmentally compatible option for integrating heat from renewable sources in particular into urban supply infrastructures in the medium term.

CHP Market Directory

The CHP Market Directory serves as a guide to help locate suitable companies or service providers, research establishments, associations and interest groups and offers an overview of finance providers, contractors and district heating suppliers.

- Who can provide advice on the planning and financing of a CHP facility?
- Where do I find specialist contractors to install it?
- Who can provide information about district heating?

This 'CHP Market Directory 2019' publication provides the answers to these and many other questions.

A more comprehensive online version of the directory can be accessed from the campaign's website:

www.kwk-fuer-nrw.de

The online market directory also offers the additional options of locating companies on a map and as a list entry. The search function includes filters allowing companies and establishments to be selected according to product or service portfolio and other categories.

The market directory is a tool of the CHP.NRW – Electricity Meets Heat campaign and aims to provide the user with an independent overview.



Are you as company operating in NRW interested in having your business listed in this CHP Market Directory? For further information and the registration form, go to www.kwk-fuer-nrw.de/marktfuehrer



The campaign

CHP.NRW – Electricity Meets Heat

Through its CHP.NRW – Electricity Meets Heat ('KWK.NRW – Strom trifft Wärme') campaign, EnergyAgency.NRW is supporting the state government's objective of expanding the use of CHP. Together with relevant groups from the business and research segments and community and administrative bodies in NRW, the campaign brings together a wide range of activities and measures designed to increase awareness of CHP technologies, their benefits and areas of application.

CHP campaign partners are at your service:

On behalf of and in collaboration with our partners we offer a wide range of services to support you in realising CHP solutions.

Initial consultancy services:

Which CHP system will meet my requirements?

- We provide information and initial advice particularly to companies and local authorities.
- The practical calculation tool for small-scale CHP systems designed for companies is available on our website.

Projects:

From idea to start-up

- We provide support with developing CHP projects.

Financing:

How do I finance my CHP unit?

- We provide information about financing concepts e.g. contracting, leasing or government subsidies.

Training and professional development:

Enhance your expertise.

- We offer training documentation and provide information about target group-specific courses, workshops and seminars.

Information:

What do I have to know?

- We provide information about technologies, subsidy schemes and much more.
- We report on projects and innovations.
- We provide contacts and bring partners together.

Events:

Who, what, when and where?

- Throughout NRW we hold information sessions and other special events and attend trade fairs.

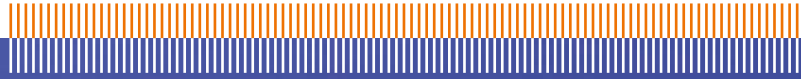
Online resources:

Constantly updated at www.kwk-für-nrw.de

- Checklists
- Calculation tool for small-scale CHP systems
- Events
- Project case studies
- Subsidies schemes
- Partner offers
- Online CHP market directory

All offers from EnergyAgency.NRW are non-proprietary and in the pre-competitive domain.

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Companies	Contact	Description
2G Energy AG	Benzstraße 3 48619 Heek www.2-g.com info@2-g.de	2G Energy AG is a world-leading manufacturer of cogeneration units rated 20 to 2,000 kW and has installed over 4,500 units in more than 43 countries.
2G Energietechnik GmbH – Niederlassung Nord	Tempowerkring 1b 21079 Hamburg www.2-g.de info@2-g.de	2G Energy AG is a world-leading manufacturer of cogeneration units rated 20 to 2,000 kW and has installed over 4,500 units in more than 43 countries.
2G Energietechnik GmbH – Niederlassung Ost	Am Krümmling 1 06184 Halle-Dieskau www.2-g.de info@2-g.de	2G Energy AG is a world-leading manufacturer of cogeneration units rated 20 to 2,000 kW and has installed over 4,500 units in more than 43 countries.
2G Energietechnik GmbH – Niederlassung Süd	Rauhöd 2 83137 Schonstett www.2-g.de info@2-g.de	2G Energy AG is a world-leading manufacturer of cogeneration units rated 20 to 2,000 kW and has installed over 4,500 units in more than 43 countries.
AGFW Der Energieeffizienzverband für Wärme, Kälte und KWK e. V.	Stresemannallee 30 60596 Frankfurt am Main www.agfw.de info@agfw.de	In its capacity as an energy efficiency association, AGFW supports the development and expansion of CHP, the generation of heat from renewable energies, district heating, cooling and storage on all scales.
AGO AG Energie + Anlagen Kulmbach	Am Goldenen Feld 23 95326 Kulmbach www.ago.ag info@ago.ag	The Kulmbach-based company, which was founded in 1980, specialises in innovative and efficient energy supply systems for industrial customers and local authorities.
AGO AG Energie + Anlagen Willich	Hanns-Martin-Schleyer-Straße 37 47877 Willich www.ago.ag info@ago.ag	The Kulmbach-based company, which was founded in 1980, specialises in innovative and efficient energy supply systems for industrial customers and local authorities.
AKM Industrieanlagen GmbH	Augustusstraße 8a 45721 Haltern am See www.akm-industrieanlagen.de info@akm-industrieanlagen.de	Manufacture, sales and servicing of ammonia/water absorption coolers to -10°C from 20 kW to 1 MW cold from heat below +100°C by small-scale cogeneration, solar energy, waste heat, district heat or geothermal energy systems.
Archimedes Technik GmbH	Engerstraße 3-5 32051 Herford www.archimedes-technik.de info@archimedes-technik.de	Archimedes Technik GmbH is a full-service provider for building services, engineering and technical systems. From planning and construction to operation, Archimedes is the right contact.
Architektur Energie Dipl.-Ing. Ursula Jungius	Huffmannstraße 58 45239 Essen www.architektur-jungius.de info@architektur-jungius.de	We offer architectural concepts, conceptual design, approval and construction planning, project coordination, refurbishment and rebuilds for existing building stock, new builds, energy consulting, construction to passive house standard.
Aurelia Turbines	Werftstraße 20 10557 Berlin www.aureliaturbines.com info@aureliaturbines.com	Aurelia Turbines supplies highly efficient gas turbines for industrial and commercial CHP applications, including special fuels.
Baupartnerinnen	Butenbergs Kamp 74 45259 Essen www.baupartnerinnen.de service@baupartnerinnen.de	We analyse your consumption data, assess the structural situation on your premises and review your production processes to identify savings options.
BERNDT ENERGYSYS GmbH & Co. KG	Otto-Hahn-Straße 6 53501 Gelsdorf www.berndt-energsys.de info@berndt-energsys.de	We are a sales office and premium partner for EC Power cogeneration units rated 6 to 20 kW _e . We develop customised plant designs for economical solutions around CHP.
BET Büro für Energie-wirtschaft und technische Planung GmbH	Alfonsstraße 44 52070 Aachen www.bet-aachen.de info@bet-aachen.de	BET offers: investment advice for heat/power/EEG (renewable energy act-funded) systems; sales consultancy contracting/district heating; operational optimisation of CHP systems; EEG/KWKG-related consultancy (combined heat and power act / energy taxes / CO ₂).
BFT Planung GmbH	Im Süsterfeld 1 52072 Aachen www.bft-planung.de post@bft-planung.de	As a general engineering consultancy with more than 30 years of experience in energy and plant engineering, we offer energy advice, profitability analyses and energy supply concepts.
Bilfinger GreyLogix GmbH	Dr.-Julius-Leber-Straße 12 67433 Neustadt an der Weinstraße www.greylogix.bilfinger.com Vertrieb.Energie.GreyLogix@bilfinger.com	We specialise in project planning, design and implementation of automation solutions as an independent system integrator. Siemens Simatic S5/S7, WinCC, TIA, ABB, HIMA, and many more.

Companies	Contact	Description
Bosch KWK Systeme GmbH	Justus-Kilian-Straße 29-33 35457 Lollar www.bosch-kwk.de info.kwk@de.bosch.com	Since 1983, Bosch KWK Systeme GmbH has been developing and building packaged cogeneration systems for both biogenic and natural gas and has decades of experience in building CHP plants.
Bosch Thermotechnik GmbH Buderus Deutschland	Sophienstraße 30-32 35576 Wetzlar www.buderus.de info.kwk@de.bosch.com	Bosch Thermotechnik GmbH is a Bosch Group company which together with its international subsidiaries is a leading European manufacturer of resource-conserving heating products and hot water solutions.
Brockbals GmbH	Berliner Straße 197-199 33330 Gütersloh www.brockbals.de info@brockbals.de	We have been installing small-scale cogeneration units since 1999 and are happy to help with the planning/supply and installation of your cogeneration facility. We also provide advice on relevant subsidies and/or financing.
Bundesverband Kraft- Wärme-Kopplung e. V. (B.KWK)	Markgrafenstraße 56 10117 Berlin www.bkwk.de info@bkwk.de	The B.KWK (German federal association for CHP) is committed to promoting CHP from micro to large-scale units in all areas of application. Its aim is to increase efficiency in energy conversion.
Caterpillar Energy Solutions GmbH	Carl-Benz-Straße 1 68167 Mannheim www.mwm.net steffen.prieske@mwm.net	MWM stands for highly efficient and environmentally friendly CHP plants for distributed energy generation. Founded by Carl-Benz in 1871 and now operating under the name Caterpillar Energy Solutions, the Mannheim-based company with its MWM brand has more than 140 years of experience in the development and optimisation of gas engines and generating sets for natural gas, biogas and other special gases.
co2online gGmbH	Hochkirchstraße 9 10829 Berlin www.co2online.de/kwk/ kontakt@co2online.de	In a dossier of 11 articles co2online provides consumers with independent information on small-scale cogeneration units and CHP systems. Includes information on operation, retrofitting, costs and subsidies.
COMUNA-metall Vorrichtungs- und Maschinenbau GmbH	Südstraße 7 32130 Enger www.comuna-metall.de bhkw@comuna-metall.de	Cogeneration unit modules, outputs of 50 kW _e / 100 kW _e / 112 kW _e : Manufacture, sales, assembly/installation; maintenance/servicing, operations management, financing; complete energy centre with CHP.
Deutsches Zentrum für Luft- und Raumfahrt (DLR) – Institut für technische Thermodynamik	Linder Höhe 51147 Köln www.dlr.de/tt thomas.bauer@dlr.de	The Thermal Process Technology department of the German Aerospace Center (DLR) develops thermal energy storage systems above 100 °C for areas such as industrial process heat, combined heat and power generation as well as conventional and solar thermal power plant technology.
DFIC - Dr. Fromme International Consulting	Kirchfeldstraße 16 45219 Essen www.dfic.de info@dfic.de	DFIC is an independent, owner-managed consultancy specialising in energy and climate protection, energy efficiency and renewable energies.
DVGW Deutscher Verein des Gas- und Wasserfaches e. V. – Landesgruppe NRW	Josef-Wirmer-Straße 1-3 53123 Bonn www.dvgw-nrw.de dvgw-info@dvgw-nrw.de	The DVGW (German Gas and Water Association) promotes the gas and water sector in respect of technical and scientific issues and works to ensure safety and quality standards in the industry.
E-quad Power Systems GmbH	Nordstern-Park 17a 52134 Herzogenrath www.microturbine.de info@microturbine.de	CHP(C) – with air bearings, oil-free, low-maintenance (every 8,000 h) – over 9,000 systems worldwide 30 kW _e , 50 kW _e , 200 kW _e , 1,000 kW _e // grid-parallel / stand-alone operation, generation of warm/hot water or steam – direct use of exhaust gas for drying, low NOx emissions without catalyst, return temperature-independent – almost 100 % adjustable power output.
E.ON Connecting Energies GmbH	Brüsseler Platz 1 45131 Essen www.eon.com/business ect@eon.com	E.ON Connecting Energies is an international provider of integrated energy solutions for B2B clients.
E-S-T Gesellschaft für Energiesystemtechnik GmbH	Hoffnungstraße 16 45127 Essen www.est-essen.de est-consult@est-essen.de	Energy management/technical advice; energy generation, contracting concepts; (general) planning, tendering, contract award, construction supervision, site management; renewable energies; advice on Bafa development bank loans, TGA, FW 308 / BDEW expert opinions.
EDL & HV GbR	Bitzenstraße 11b 35708 Haiger www.edl-hv.de info@edl-hv.de	Our experienced team will alleviate your concerns about rising energy prices, the best heating technology or increasing power requirements in your home, residential complex or company building.
EEB Enerko GmbH	Landstraße 20 52457 Aldenhoven www.enerko.de info@enerko.de	As a consultancy and planning company with more than 35 years of experience in the energy industry, we offer you studies and energy concepts, technical planning and energy management consulting.

Companies	Contact	Description
Energieberatung Tenta	Schnabelstraße 14 45134 Essen www.energieberatung-tenta.de info@energieberatung-tenta.de	As an engineering consultancy we not only specialise in CHP systems, we can also provide you with independent support for the commercial and technical implementation of your projects and help with obtaining funding.
Energiebüro Schaumburg	Schemmer Straße 4 51709 Marienheide www.energiebuero-schaumburg.de kontakt@energiebuero-schaumburg.de	Energiebüro Schaumburg is a byword for expertise and experience in refurbishing buildings to make them more energy efficient. For us, maximum energy efficiency is not just a buzzword but something that we live and breathe.
energielenker GmbH	Hafenweg 15 48155 Münster www.energielenker.de info@energielenker.de	energielenker GmbH is a specialist operating Germany-wide particularly in the areas of consulting, planning and operation of CHP plants. With our plant monitoring systems, we can ensure efficient operation.
Energieservice Westfalen Weser GmbH	Bahnhofstraße 40 32278 Kirchlegern www.energieservice-ww.com ESW-Vertrieb@ww-energie.com	Energieservice Westfalen Weser has installed around 225 CHP units to date – from 6 to 4,800 kW _e . Energy solutions for residential areas and CHP tenant electricity models round off our portfolio.
Energieversorgung Oberhausen AG	Danziger Straße 31 46045 Oberhausen www.evo-energie.de energiesdienstleistung@evo-energie.de	Energieversorgung Oberhausen AG (evo) supplies Oberhausen with electricity, natural gas, district heating and energy-related services.
Energiewerkstatt GmbH & Co. KG	Fössestraße 97a 30453 Hannover www.energiwerkstatt.de info@energiwerkstatt.de	Energiewerkstatt is a medium-sized, owner-managed company from Hanover with innovative products for distributed CHP-based energy supply.
ENERPIPE GmbH	An der Autobahn M1 91161 Hilpoltstein www.enerpipe.de info@enerpipe.de	ENERPIPE's end-to-end portfolio ranges from highly insulated piping systems and efficient buffer storage system controls for local heating systems to intelligent boiler house control technology.
ENGIE Deutschland GmbH	Theodor-Althoff-Straße 41 45133 Essen www.engie-deutschland.de info@cofely.de	ENGIE Deutschland is one of Germany's leading specialists for energy-efficient and future-oriented solutions in the fields of technology, energy and service.
enumion GmbH & Co. KG	Eynattener Straße 1 52064 Aachen www.enumion.de info@enumion.de	enumion offers technical system advice on energy and environmental issues. We develop sustainable supply concepts for companies and municipalities helping to reduce energy and material costs.
envi	Stockumer Straße 28 58453 Witten www.envi-gmbh.de info@envi-gmbh.de	For more than 20 years envi has been planning the heat supply of properties and residential quarters with CHP units. We use our own Internet-based technology for plant optimisation during operation and for efficiency monitoring.
ENVIROpro – European Environmental Project Management	Bismarckstraße 142 47057 Duisburg www.enviro-pro.de info@enviro-pro.de	ENVIROpro provides energy efficiency advice, energy audits according to 16247-1, support with energy and environmental management systems, environmental consulting, corporate social responsibility (CSR), training and project management.
Ermen-Engineering	Altfelder Straße 248c 47475 Kamp Lintfort www.ermen-engineering.de info@ermen-engineering.de	Publicly appointed and sworn expert accredited by the Niederrhein Chamber of Industry and Commerce for small-scale CHP units. Advice on planning, operation and service as well as in the event of damage/dispute.
ETW Energietechnik GmbH	Ferdinand-Zeppelin-Straße 19 47445 Moers www.etw-energie.de info@etw-energie.de	Compact and self-sufficient energy solutions are our core business. We are your manufacturer of CHP units and bio-methane plants.
eueco GmbH	Corneliusstraße 12 80469 München www.eueco.de info@eueco.de	eueco is a digital citizen participation specialist. We help you realise your CHP projects in a simple, cost-effective and fast way with financial citizen participation.
EUTECH Scientific Engineering GmbH	Dennewartstraße 25-27 52068 Aachen www.eutech-scientific.de info@eutech-scientific.de	We engineer and optimize heterogeneous energy systems, that combine innovative heating, cooling and power supply as well as storage technologies.
Fachzentrum für Kraft-Wärme-Kopplung – SenerTec Center NRW Süd GmbH	Blumgasse 2-4 52156 Monschau www.senertec-center-nrw-sued.de info@senertec-center-nrw-sued.de	Cogeneration is our passion. Advice, planning, installation and service for small-scale CHP units rated 1 to 50 kW _e .

Companies	Contact	Description
FDBR e. V. – Fachverband Anlagenbau	Sternstraße 36 40479 Düsseldorf www.fdbbr.de info@fdbbr.de	The FDBR (professional body for plant engineering) pools the interests of more than 180 companies in the plant engineering segment for the energy, environmental and process industry. We support technical innovations and help develop future-proof solutions.
Firma Werner Stöbener	Wintgenstraße 1 45239 Essen www.stoebener.de werner@stoebener.de	Stöbener is a plumbing, heating and air conditioning specialist. The company was established in 1927 and has a staff of 41. We install heating and plumbing systems and also have an electrical department. We are a distributor of Senertec and Viessmann gas engine-driven heating systems.
Flüssiggas1.de	Eupener Straße 124 50933 Köln www.fluessiggas1.de info@fluessiggas1.de	Flüssiggas1.de acts as a platform linking end users and liquefied gas companies. We help you find the right liquefied gas tank for condensing appliances, CHP units, gas heat pumps, commercial heating systems.
Gas- und Wärme-Institut Essen e. V.	Hafenstraße 101 45356 Essen www.gwi-essen.de info@gwi-essen.de	The GWI is an established research institute that is shaping the energy issues of the future. Its main areas of focus include gas composition and gas application technologies (CHP).
GASAG Contracting GmbH	Im Teelbruch 55 45219 Essen www.gasag-solution.de gsp@gasag.de	Our range of services includes the preparation and execution of energy contracting projects, i.e. the planning, construction, financing and operation of energy generation systems with subsequent production and delivery of useful energy in the form of heat, steam, power, cold and other media.
GERTEC GmbH Planungsgesellschaft	Martin-Kremmer-Straße 12 45327 Essen www.gertec.de info@gertec.de	For more than 30 years we have been designing and planning combined heat, power and cooling plants. The spectrum ranges from units in the 5 kW class to large-scale plants in the MW range.
GfE mbH Gesellschaft für Energieeffizienz	Siemensstraße 43 48619 Heek www.gfe-nrw.de info@gfe-nrw.de	GfE mbH supplies, installs and maintains packaged cogeneration units rated 4 to 50 kW _e . The systems are operated with natural gas/LPG or vegetable oil.
Groschopp AG	Greefsallee 49 41747 Viersen www.groschopp.de info@groschopp.de	Groschopp AG is a leading company in the electrical drive technology sector. The servo, commutator, induction or brushless designs are the common denominator for Groschopp electric motors.
H. G. S. GmbH	Kleinewerferstraße 1 47803 Krefeld www.hgs.eu info@hgs.eu	HGS is one of Germany's leading specialists for maintenance, repair and general overhaul of CHPs, gas engines and stationary diesel-powered generators.
Hampel GmbH	Im Industriepark Nord 101 53567 Buchholz-Mendt www.hampel-gebaeudetechnik.de info@hampel-gebaeudetechnik.de	We offer the full spectrum of services from the areas of heating, plumbing, air-conditioning and ventilation systems as well as combined heat and power generation for commercial, industrial and private customers.
Henkelhausen GmbH & Co. KG	Hafenstraße 51 47608 Krefeld www.henkelhausen.de info@henkelhausen.de	Your experienced specialist for gas engines, CHP units for natural gas, biogas & special gases, emergency power units and UPS systems rated up to 2,500 kW. Consulting, design, engineering, installation, commissioning, maintenance and 24/7 repair.
Hottgenroth Software GmbH und Co. KG	Von-Hünefeld-Straße 3 50829 Köln www.hottgenroth.de info@hottgenroth.de	Hottgenroth/ETU develops commercial, technical and CAD software, chimney sweep software and Internet applications for areas such as energy efficiency, mainstream and ancillary building trades and building services planning and design.
Hubert Niewels GmbH	Neuhäuser Weg 3a 33175 Bad Lippspringe www.niewels.de matthias.stolte@niewels.de	Hubert Niewels GmbH is a competent partner with many years of experience in the fields of subsidies, profitability calculation, planning, construction and operation of CHP and CHPC units.
ib.1 ingenieurberatung GmbH	Lohbachstraße 12 58239 Schwerte www.ib-1.de mail@ib-1.de	We are engineers with more than 20 years of professional experience. We perform a comprehensive assessment to help you with the technical and economic optimisation of one of the key success factors: energy.
IELO Innovative Energie-lösungen Oldenburg GmbH	Im Technologiepark 4 26129 Oldenburg www.kehag-energiehandel.de ielo@kehag.de	IELO GmbH offers a leasing & operating model as an all-inclusive 'peace of mind' package + no-obligation profitability check + planning and technical implementation + operations management + financing + energy services.
Indop Gorenje GmbH	Herzogenstraße 97 80796 München www.indop.eu info@indop.eu	Indop Gorenje GmbH is a key international manufacturer of small-scale CHP units in the range 6 to 20 kW _e .
Ingenieurbüro Gassen	Im Buchenkamp 68 51109 Köln www.ibgassen.de mail@ibgassen.de	Ing. Büro Gassen offers decades of experience in the entire technical building services sector and has a track record of more than 35 planned CHP units, electricity for renters (produced locally, not from the grid) contracting, maintenance and life cycle management.

Companies	Contact	Description
Ingenieurbüro EUKON	Moerser Straße 162 47803 Krefeld www.eukon.de info@eukon.de	Since 1992 we have been developing solutions promoting the efficient and sensible use of energy and resources. Energy efficiency, ecology and economy are important to us and our customers.
Ingenieurbüro Holger Hantel	Am Dombogen 14 46509 Xanten www.ibhoha.de service@ibhoha.de	We are a creative engineering consultancy specialising in problem-solving solutions. We are licensed to provide services relating to all aspects of energy efficiency and funding procurement.
innogy SE, Bereich Netzservice	Friedrichstraße 60 57072 Siegen www.innogy.com/netzdienstleistungen netzdienstleistungen@innogy.com	Our grid services division offers a broad portfolio of services for industrial companies, grid operators, renewable energy producers and commercial customers. Whether construction, planning or maintenance of energy networks, our experts take care of you individually and professionally.
InvenSor GmbH	Nußbaumweg 7-9 06886 Lutherstadt Wittenberg www.invensor.com info@invensor.de	InvenSor is the market leader in the production of adsorption chillers in the 30-300 kW range. The plants use excess waste heat e.g. from CHPs or industrial processes.
itb-energiewirtschaft	Beeckstraße 75 46149 Oberhausen www.itb-energiewirtschaft.de info@itb-energiewirtschaft.de	We are a leading engineering firm in the energy industry and help you reduce your energy costs.
Jürgen Hohnen GmbH Wärme-Wasser-Umwelt	Industrieparkstraße 4 52525 Heinsberg www.juergenhohnen.de info@juergenhohnen.de	As a specialist company we serve customers interested in fuel cells, CHP technology, electricity storage and electro-mobility. Every system can also be leased as a full-service package.
Koldehoff Effiziente Energietechnik	Bawinkeler Straße 17 49838 Langen www.koldehoff.de info@koldehoff.de	We are your reliable partner when it comes to efficient energy systems. We provide advice on combined heat and power, small-scale CHP units, fuel cells and other topics, always treating our customers as equals.
Kombiplan GmbH & Co. KG	Stadtmauer 11 59872 Meschede www.kombiplan.net info@kombiplan.net	Kombiplan is a leading engineering services provider for building services equipment, energy technology, energy consulting and energy concepts as well as energy management systems.
Kompetenzzentrum für Kraft-Wärme-Kopplung	Kaiser-Wilhelm-Ring 23 92224 Amberg www.kwk.oth-aw.de r.lechner@oth-aw.de	The KoKWK is an interdisciplinary research team consisting of scientists and professors who, within their partner network, bundle the know-how in the field of CHP and further develop it in a practice-oriented manner.
Kraftwerk Kraft- Wärme-Kopplung GmbH	Zur Bettfedernfabrik 1 30451 Hannover www.kwk.info mail@kwk.info	For over 20 years, Kraftwerk has been developing, producing, maintaining and selling cogeneration modules up to 50 kW _e in six output variants for professional use. Full-service agreements with availability guarantee.
Kraftwirte – Stadtwerke Lemgo GmbH	Bruchweg 24 32657 Lemgo www.kraftwirte.de info@kraftwirte.de	Kraftwirte are your partners for all energy services at Stadtwerke Lemgo, whether contracting, energy management or operational optimisation.
Lehrstuhl für Umwelt- verfahrenstechnik und Anlagentechnik (LUAT)	Leimkugelstraße 10 45141 Essen www.uni-due.de/luat luat@uni-due.de	LUAT at the University of Duisburg-Essen is divided into 5 working groups: Energy and Process Engineering, Waste and Residue Treatment, Pollutant Separation, Environmental Metrology and Environmental Services.
Lettau GmbH	Friedrich-Ebert-Straße 46 58453 Witten-Annen www.lettau-haustechnik.de info@lettau-haustechnik.de	The plumbing and heating system company Lettau GmbH was founded over 40 years ago by Helmut Lettau and is now managed in the second generation by Martin Lettau.
Mainzer Wärme GmbH	Rheinallee 41 55118 Mainz www.mainzer-waerme.de info@mainzer-waerme.de	We are your first port of call for all heat-related issues. We belong to the Mainzer Stadtwerke group of companies and develop OEM-independent customised solutions for our customers.
medl GmbH	Burgstraße 1 45476 Mülheim an der Ruhr www.medl.de service@medl.de	We supply natural gas, electricity and heat to Mülheim residents. We are also committed to issues of energy efficiency and the conservation of resources. And that's why we continue to promote the ecological and cost-effective handling of energy using modern technologies.
Merkel Energy GmbH	Wallotstraße 16 45136 Essen www.merkel-energy.com info@merkel-energy.com	Merkel Energy GmbH is an independent service provider for the European energy industry based in Essen and Hamburg.

Companies	Contact	Description
Michael Gräß	Im Käsebrink 11a 58840 Plettenberg www.bhkw-sauerland.de info@michael-graeb.de	Providing detailed advice on all aspects of building services, tailored to the needs of our customers is central to our company philosophy. These professional services are performed with due consideration for ecological and economical aspects.
MORA TECH – Energiesysteme	Industriestraße 3 51515 Kürten www.mora-tech.de info@mora-tech.de	We are a CHP company specialising in the design and installation of small-scale CHP units.
MOVE EnergieConcept GmbH	Greefsallee 49 41747 Viersen www.energieconcept.eu info@energieconcept.eu	Elaboration and implementation of holistic energy concepts. Our key objective is to significantly increase energy efficiency with state-of-the-art packaged CHP units and in this way improve economic efficiency and reduce CO ₂ emissions.
Onergys GmbH	Nordwall 39 47608 Geldern www.onergys.de info@onergys.de	We provide CHP spare parts, original MWM parts, Jenbacher spark plugs, MANN filters, biogas and industrial spark plugs from Denso, Bosch, Beru, Champion and much more for your CHP. Just order online.
Phillips GmbH & Co. KG	Rombacher Hütte 2 44795 Bochum www.philipps-bochum.de info@philipps-bochum.de	We are a medium-sized family business, specialising in the planning and execution of services across all disciplines for home heating, plumbing, electrical, ventilation, air conditioning and tiles.
PKF Fasselt Schlage Partnerschaft mbB	Schifferstraße 210 47059 Duisburg www.pkf-fasselt.de duisburg@pkf-fasselt.de	PKF Fasselt Schlage offers a broad range of services including: profitability analysis and design of distributed energy generation projects, design of off-grid models, direct marketing.
PRIMAGAS Energie GmbH & Co. KG	Luisenstraße 113 47799 Krefeld www.primagas.de info@primagas.de	PRIMAGAS Energie GmbH & Co. KG is one of the leading suppliers of liquefied gas in Germany. For more than 60 years we have been supplying households and businesses all over the country with off-grid energy.
RCN Ingenieurbüro	Dürener Straße 3 45147 Essen www.nrw-energieberatung.com info@nrw-energieberatung.com	Energy-efficient building design for new builds and refurbishments.
REHAU AG + Co	Universitätsstraße 140 44799 Bochum www.waermewende.info bochum@rehau.com	REHAU offers more than 30 years of expertise in the development, production and use of innovative polymer tubes and connectors for local heating grids, providing comprehensive services for your project.
Remeha GmbH	Rheiner Straße 151 48282 Emsdetten www.remeha.de info@remeha.de	We are a growing independent subsidiary of an internationally operating company for heating system products with Germany-wide distribution.
RheinEnergie AG	Parkgürtel 24 50823 Köln www.rheinenergie.com service@rheinenergie.com	RheinEnergie AG is one of the largest municipal utilities in Germany and is based in Cologne. It is involved in all phases and areas of energy supply, both regionally and throughout Germany.
RMB/ENERGIE GmbH	Hauptstraße 543a 26683 Saterland www.neotower.de info@rmbenergie.de	RMB/ENERGIE GmbH, based in Saterland, Lower Saxony, is a manufacturer of packaged cogeneration systems. The 14 neoTower variants have an output of 2.0 to 50.0 kW _e .
Rödl & Partner GbR	Im Zollhafen 18, Kranhaus 1 50678 Köln www.roedl.com philip.cossmann@roedl.com	From our locations in Cologne, Nuremberg and Munich, our team of 200 specialists supports our clients with tax, legal and business issues relating to the energy industry.
Rütten GmbH	Im Hesselbruch 26 46356 Essen www.ruetten-essen.de j.berressen@ruetten-essen.de	We offer maintenance, repair and renewal of heating, plumbing, CHP, pellet, solar and heat pump as well as oil and gas-fired heating systems and deliver complete bathrooms.
RWTH Aachen – Institut für Hochspannungstechnik	Schinkelstraße 2 52056 Aachen www.ifht.rwth-aachen.de mueller@ifht.rwth-aachen.de	The Distributed Energy Systems team at RWTH Aachen University develops operational strategies for the design and deployment of new facilities and storage systems operated as stand-alone units or in networks (virtual power plants).
Schawag GmbH	Böddinghauser Weg 91 58840 Plettenberg www.schawag.de info@schawag.de	Schawag creates safe and comfortable living spaces for people – that is our goal, our task. We combine the tradition of responsible corporate management with the opportunities and the potential of innovative technology.

Companies	Contact	Description
Schmidmeier NaturEnergie GmbH	Zum Weinberg 3a 93197 Zeitlarn www.schmidmeier.com info@schmidmeier.com	Schmidmeier Naturenergie develops energy concepts for industrial, commercial and municipal customers – also as CHP systems for green power generation.
Schräder Abgastechnologie	Hemsack 11-13 59174 Kamen www.schraeder.com kamen@schraeder.com	The Schräder all-in-one system for heat recovery from industrial exhaust and waste gases comprises consultancy services, planning and construction complete with all hydraulic, electrical and waste gas tie-ins.
SenerTec Center Düsseldorf GmbH	Alleestraße 83 47166 Duisburg www.dachsheizung.de info@senertec-duesseldorf.de	With more than 33,000 'Made in Germany' systems sold, our 'Dachs' (badger) mini cogeneration unit is No. 1 on the European market.
SenerTec Center Heek GmbH	Siemensstraße 39 48619 Heek www.senertec-center-heck.de beratung@senertec-center-heck.de	With more than 32,000 'Made in Germany' systems sold, our 'Dachs' (badger) mini cogeneration unit is No. 1 on the European market. The team from SenerTec Center Heek, one of 29 service centres throughout Germany, is your specialist for CHP units.
SenerTec Center Lüdenscheid GmbH	Nolttestraße 13 58511 Lüdenscheid www.dachsheizung.de info@dachsheizung.de	SenerTec Center Lüdenscheid GmbH offers the 'Dachs' (badger) product family throughout the Cologne/Bonn region and in the Sauerland as a complete service comprising installation and maintenance. We look forward to hearing from you!
SenerTec Center Ruhr GmbH	Lothringer Allee 2 44805 Bochum www.deindachs.de info@deindachs.de	With more than 33,000 cogeneration units installed, SenerTec is Europe's favourite CHP system.
SenerTec Kraft-Wärme-Energiesysteme GmbH	Carl-Zeiss-Straße 18 97424 Schweinfurt www.senertec.de info@senertec.de	SenerTec is the market leader for distributed small-scale power plants (1 - 20 kW _e). Since 1996, SenerTec has been producing and marketing Europe's most successful mini cogen system under the brand name 'Dachs' (badger).
SES Energiesysteme GmbH	Schimmelbuschstraße 9f 40699 Erkrath www.ses-energiesysteme.com info@ses-energiesysteme.com	Manufacturer and service provider for highly efficient cogeneration units rated 50 to 4,500 kW. Compact modules, containers, plant engineering. With natural gas and biogas. Locations in Berlin, Düsseldorf, Hamburg, Leipzig and Munich.
SES Energiesysteme GmbH Headquarters	Eichenstraße 3b 12435 Berlin www.ses-energiesysteme.com info@ses-energiesysteme.com	Manufacturer and service provider for highly efficient cogeneration units rated 50 to 4,500 kW. Compact modules, containers, plant engineering. With natural gas and biogas. Locations in Berlin, Düsseldorf, Hamburg, Leipzig and Munich.
Siemens AG	Freyeslebenstraße 1 91058 Erlangen www.siemens.com/chp support.energy@siemens.com	Proven experience in providing ground-breaking products, solutions and services, confirmed by hundreds of CHP plants worldwide using our technology.
SMART-TEC-stwh	Grenzweg 18 44623 Herne www.smart-tec-stwh.de info@smart-tec-stwh.de	The service brand on the heating market offers a range of innovative and efficient technologies, renewable energies in combination with financing and a 24-hour service for the facilities.
SOKRATHERM GmbH Energie- und Wärmetechnik	Milchstraße 12 32120 Hiddenhausen www.sokratherm.de info@sokratherm.de	Headquarters with sales office, project management and management board of SOKRATHERM, the manufacturer of compact cogeneration modules in the output range of 50 - 500 kW. Since the company was established in 1977 around 1,500 compact cogeneration modules have been produced in various designs and delivered worldwide.
SOKRATHERM GmbH Nordhausen branch	Helmestraße 20 99734 Nordhausen www.sokratherm.de info@sokratherm.de	Manufacturing, design, procurement and service centre.
SOKRATHERM GmbH Northern Sales Office	Osterstraße 58 20259 Hamburg www.sokratherm.de info@sokratherm.de	Sales office for Hamburg and Schleswig-Holstein.
SOLIDpower GmbH	Borsigstraße 80 52525 Heinsberg www.solidpower.com bluegen@solidpower.com	SOLIDpower is a leading manufacturer of fuel cell-based micro power plants. The products have a very high electrical efficiency and are manufactured in NRW.

Companies	Contact	Description
Stadtwerke Düsseldorf AG	Höherweg 100 40233 Düsseldorf www.swd-ag.de Nguettler@swd-ag.de	For more than 140 years, municipal utility Stadtwerke Düsseldorf has been supplying the city with power and water. And we are going to devote all our energies to looking after your requirements in the future too.
Stadtwerke Essen AG	Rüttenscheiderstraße 27-37 45128 Essen www.stadtwerke-essen.de info@stadtwerke-essen.de	EssenWärme – complete service package from planning, financing, installation, maintenance, 24-hour service, energy supply through to heating cost billing.
Stamos GmbH	Heinrich-Hertz-Straße 12 41516 Grevenbroich www.stamos.de info@stamos.de	Stamos is a family business specialising in heating, water, air and electrical engineering. We install and maintain equipment, provide consultancy services and are always up to date – especially in the field of environmentally friendly technologies.
STAWAG Energie GmbH	Uersfeld 24 52072 Aachen www.stawag-energie.de info@stawag-energie.de	Since 2003, STAWAG Energie has been an innovative renewable energy company and as a strong partner offers planning, development and financing of CHP systems including operational management and contracting.
STEAG Energy Services GmbH	Rüttenscheiderstraße 1-3 45128 Essen www.steag-energyservices.com energyservices@steag.com	Our range of services includes planning, construction support, operation and optimisation of energy generation systems from project management through IT solutions and cost optimisation.
STEAG Fernwärme GmbH	Huyssenallee 100 45128 Essen www.steag-fernwaerme.de fernwaerme@steag.com	The biggest district heating supplier in NRW. Supply of district heating from CHP units for apartments, public buildings, hospitals, swimming pools, industrial and commercial enterprises in Bottrop, Essen and Gelsenkirchen.
STEAG New Energies GmbH	St. Johanner Straße 101-105 66115 Saarbrücken www.steag-newenergies.com ruediger.sass@steag.com	STEAG New Energies GmbH, specialises in developing customised distributed energy solutions based on efficient and sustainable concepts. Apart from conventionally generated power, the energy source used range from wind, bioenergy and mine gas to geothermal energy.
SWB GmbH	Karl-Hermann-Straße 14 45701 Herten www.swb-herten.de post@swb-herten.de	We design and install building services equipment. We can advise you about the wide range of options for energy-saving technologies in combination with building services designed for a healthy built environment.
SWK-Energiezentrum E²	Reinartzstraße 49 47805 Krefeld www.e2.hsnr.de silke.boerner@hs-niederrhein.de	At the SWK-Energiezentrum E2, professors and other staff from various disciplines carry out projects with a technical or commercial energy focus.
SynergieTec SenerTec-Service Bochum	Drusenbergstraße 86 44789 Bochum www.senertec-service.de info@senertec-service.de	With more than 35,000 systems sold, the 'Dachs' (badger) small-scale cogeneration unit is No. 1 on the European market.
ThermoPlus WärmeDirektService GmbH	Bungertstraße 27 47053 Duisburg www.thermoplus.de info@thermoplus.de	ThermoPlus WärmeDirektService GmbH offers customised service packages from planning to realisation and servicing of energy systems.
Turbonik GmbH	Carlo-Schmid-Allee 3 44263 Dortmund www.turbonik.de info@turbonik.de	With an innovative micro steam turbine, Turbonik allows steam-using companies to profitably and sustainably generate their own electricity in cogeneration units.
TÜV NORD Group AG	Langemarckstraße 20 45141 Essen www.tuev-nord.de info@tuev-nord.de	TÜV NORD GROUP supports energy system planners, installers, manufacturers and operators throughout the entire life cycle of their products, systems and plants. With experience and know-how, we make our contribution to your success.
TÜV Rheinland Industrie Service GmbH	Am Grauen Stein 33 51105 Köln www.tuv.com norbert.heidelmann@de.tuv.com	The industrial services division is the strongest pillar of TÜV Rheinland and comprises e.g. the business units mechanical engineering, electrical and building services technology, supply chain services, building technology, energy and environment and project management.
TÜV Süd	Westendstraße 199 80686 München www.tuev-sued.de kraftwerke@tuev-sued.de	With TÜV SÜD as your partner, you have access to experts who will accompany you throughout the entire life cycle of your CHP plant and provide reliably answers to all your questions about safety, efficiency and availability.
Tuxhorn Blockheizkraftwerke GmbH	Röntgenstraße 33 46325 Borken www.tuxhorn-blockheizkraftwerke.de info@tuxhorn-blockheizkraftwerke.de	Tuxhorn is an experienced manufacturer of natural gas and fuel oil-fired cogeneration units rated 30 - 240 kW _e . Please don't hesitate to contact us by phone or arrange a personal consultation.

Companies	Contact	Description
Tyczka Energy GmbH	Blumenstraße 5 82538 Geretsried www.tyczka-energy.de energy@tyczka.de	Tyczka Totalgaz is one of Germany's leading specialists for liquified gas for all applications around warmth and mobility.
Universität Duisburg-Essen Lehrstuhl Energietechnik	Lotharstraße 1 47057 Duisburg www.uni-due.de/energietechnik verheyen@uni-due.de	CHP systems are a major component of research and teaching at the Department of Energy Technology of Duisburg-Essen University, with research focussing on the efficiency of energy systems.
VDI-Gesellschaft Energie und Umwelt	VDI-Platz 1 40468 Düsseldorf www.vdi.de/geu geu@vdi.de	VDI-GEU produces guidelines on CHP topics e.g. VDI 4655, VDI 4656 and VDI 3985, publishes the status report 'Micro CHP' and issues statements on energy policy.
Verbraucherzentrale NRW	Mintropstraße 27 40215 Düsseldorf www.verbraucherzentrale.nrw/ energieberatung energie@verbraucherzentrale.nrw	The consumer advice centre 'Verbraucherzentrale NRW' can check during an appointment at the consumer's home whether it is worth for the homeowner to invest in alternative heating systems, for example a mini cogeneration system.
VfW Verband für Wärmelieferung e. V.	Lister Meile 27 30161 Hannover www.energiecontracting.de hannover@vfw.de	The role of the FfW, the Heat Supply Association, is to support the expansion of contracting, train companies to qualify as energy suppliers and maintain professional standards.
VIK Verband der industriellen Energie- und Kraftwirtschaft e. V.	Richard-Wagner-Straße 41 45128 Essen www.vik.de info-essen@vik.de	For more than 60 years, the Energy and Power Industry Association (VIK) has been the alliance of industrial and commercial energy customers in Germany. Our mission is to achieve equality of opportunity in international competition through a competitive and secure energy supply.
VKU Verband kommunaler Unternehmen e. V. – Landesgruppe NRW	Brohler Straße 13 50968 Köln www.vku.de info@vku.de	The Energy Management Department of the Association of Local Utilities (VKU) deals with all issues relating to network management, generation, sales and trading.
W.A. Schulte GmbH	Altenaer Straße 36 58507 Lüdenscheid www.wa-schulte.de info@wa-schulte.de	We provide complete indoor installations and air-conditioning systems for industry, single-family and multi-family homes.
Wärtsilä Deutschland GmbH	Schlenzigstraße 6 21107 Hamburg www.wartsila.com energysolutionshamburg@wartsila.com	We offer 'smart & flexible' power plant solutions for baseload generation, grid stability & peak load applications, for industrial on-site generation units and for the oil and gas industry.
Westfalen AG	Industrieweg 43 48155 Münster www.westfalen-ag.de g.grimminger@westfalen-ag.de	The Westfalen Group is an international technology company in the energy industry. In the energy supply sector, the company markets CHP systems with its own subsidy scheme.
WHSE GmbH & Co. KG	Bitzenstraße 11a 35708 Haiger www.whse.de info@whse.de	Premium partner of EC Power, market leader for CHP units in the range up to 20 kW _e : design, sales, project planning and service from a single source.
Winters-Energie	Croswick 1 48691 Vreden www.winters-energie.de info@winters-energie.de	We provide consultancy and support services and will only build cogeneration systems where they pay off for the investor, including as a contracting model.
WiRo Energie & Konnex Consulting GmbH	Theaterstraße 30-32 52062 Aachen www.wiro-consultants.com info@wiro-consultants.com	WiRo Energie & Konnex Consulting GmbH is an independent consulting firm specialising in efficient energy use.
Wolf Power Systems GmbH	Streßelfeld 1 29475 Gorleben www.wolf-ps.de info@wolf-ps.de	With 2,300 CHP plants installed worldwide, Wolf Power Systems is one of the most experienced suppliers on the market. Our strength lies in tailor-made CHP solutions from 5 to 2,000 kW.
Wulfert Bad & Heizung	Industriestraße 24 45711 Datteln www.wulfert-bad-heizung.com info@wulfert-bad-heizung.de	We are a reliable service provider committed to providing first-class advice, cleanliness and reliability – these are the three pillars on which the work of Wulfert in Datteln is based.
Zentrum für Brennstoff- zellenTechnik, ZBT GmbH	Carl-Benz-Straße 201 47057 Duisburg www.zbt-duisburg.de info@zbt-duisburg.de	ZBT GmbH is a recognised research establishment for the development and optimisation of hydrogen generators, fuel cells and storage technologies e.g. for use in CHP.
Zeppelin Power Systems GmbH & Co. KG	Zeppelinstraße 2a 28832 Achim www.zeppelin-powersystems.de zps.achim@zeppelin.com	Zeppelin Power Systems is the official partner of Caterpillar for Cat, MaK and EMD engines and a leading vendor of drive and energy systems.

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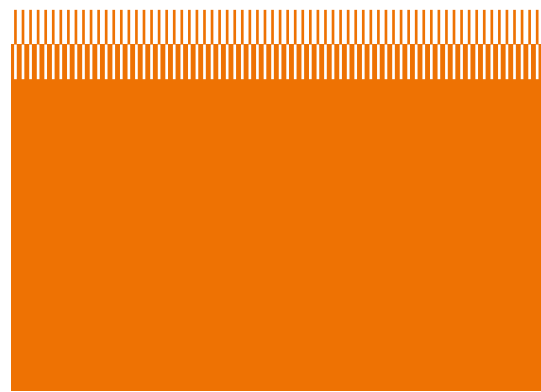
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