






**Adlershof Cluster of  
Renewable Energies**
**Competences**

	<b>ABO Wind AG</b>  global@abo-wind.de www.abo-wind.de	ABO Wind initiates wind farm projects, acquires site locations, organizes all technical and business planning, arranges international bank financing and delivers turnkey wind farms. In the bioenergy sector, biogas plants are being planned and built.
	<b>Algenol Biofuels Germany GmbH</b>  info.germany@algenol.com www.algenol.com	The Company's technology is a unique two-step process that first produces ethanol directly from the algae and then converts the spent algae biomass to biodiesel, gasoline and jet fuel. It is the only renewable fuel production process that can convert more than 85% of its CO2 feedstock into the four most important fuels.
	<b>Alliander AG</b>  info.deutschland@alliander.com www.alliander.de	Operator of power and gas supply networks as well as public lighting and light signal systems
	<b>A.S.T Leistungselektronik GmbH</b>  le@ast.de www.astle.de	Development and production of technically high-grade custom-made applications for railway technology as well as demanding industrial applications. Broad product range for various technological applications in the railway and vehicle technology and industrial manufacturing sectors.
	<b>Autarsys GmbH</b>  info@autarsys.com www.autarsys.com	Autarsys are experts in sustainable energy supply systems for off-grid applications. Autarsys offers: high-quality, integrated "plug & play" energy storage systems; a holistic consultancy service and system planning by an experienced team of experts; reliable project realisation; and a partnership-like cooperation.
	<b>Block Materialprüfungsgesellschaft mbH</b>  info@block-quality.com www.block-quality.com	Material technology and interdisciplinary experience. Classical non-destructive examination as well as innovative examination methods by own specialized laboratories. World wide services for quality monitoring for components and testing processes.
	<b>Brilliance Fab Berlin GmbH &amp; Co. KG</b>  Xiaozhuo Wang www.berlin-bfb.de	Brilliance Fab Berlin GmbH & Co. KG (BFB) was founded within the framework of a co-operation between Ferdinand-Braun-Institut, Berlin (FBH) and the Chinese enterprise Sino Nitride Semiconductor CO., LTD (SNS). The FBH - semiconductor lasers, which will be distributed by the spin-off BFB, could become an export bestseller on the Chinese market. High-quality LED-lightings of the holding company SNS are important products of BFB. On the other hand, high-technology goods in the same field are exported to China.
	<b>Blockheizkraftwerks-Träger- und Betreibergesellschaft Berlin</b>  kontakt@btb-berlin.de www.btb-berlin.de	BTB covers the full range of energy services: financing, implementing and running of energy supply facilities, district heating grids and decentralized individual plants for customized energy supply.
	<b>Boreal Light GmbH</b>  info@boreallight.com www.boreallight.com	BOREAL LIGHT is a young engineering company dedicated to renewable energy development. For us, knowledge and innovation are the key factors in turning the ideas of today into viable realities of tomorrow. We support public and corporate organizations alike to adapt to changes, identify new opportunities quickly, and make a tailored solution for your specific application.
	<b>Budatec GmbH</b>  info@budatec.de www.budatec.de	Microsystems Technology and Materials/ Photonics and Optics / Renewable Energy & Photovoltaics
	<b>COLIBRI ENERGY GmbH</b>  info@colibri-energy.com www.colibri-erenergy.com	COLIBRI Energy GmbH is an innovation leader in lithium polymer battery systems. The technology was initially targeted at electric cars and then stationary energy storage.



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	<b>Cyano Biofuels GmbH</b>  <a href="mailto:info@cyano-biofuels.com">info@cyano-biofuels.com</a> <a href="http://www.cyano-biofuels.com">www.cyano-biofuels.com</a>	<i>Research and development focused on the Biology part of the Biofuels and chemical feedstocks busines. Research and development in particular: screening, cultivation, physiology, molecular biology, analytics.</i>
	<b>DACHLAND GmbH</b>  <a href="mailto:dachland@dachland-berlin.de">dachland@dachland-berlin.de</a> <a href="http://www.dachland-berlin.de">www.dachland-berlin.de</a>	<i>More than 40 years of experience in flat roof constructions and complete roof structure design. The range of competences covers roof sealing, roof greening and photovoltaic installations.</i>
	<b>DEIG Energietechnik-Insumma GmbH</b>  <a href="mailto:schuldt@deig-energie.de">schuldt@deig-energie.de</a> <a href="http://www.deig-energie.de">www.deig-energie.de</a>	<i>Focal points:</i> <ul style="list-style-type: none"> <li>• project development for renewable energy conversion, primarily for wind and geothermal within Germany and abroad</li> <li>• research and development to create innovative solutions in this field</li> </ul>
	<b>DKIPlan Ingenieurbüro für Energie- und Gebäudetechnik GbR</b>  <a href="mailto:info@dkiplan.de">info@dkiplan.de</a> <a href="http://www.dkiplan.de">www.dkiplan.de</a>	<i>Focal points:</i> <ul style="list-style-type: none"> <li>• planning, construction supervision and process optimization for buildings of different functions</li> <li>• energy- and room- concepts for buildings and sites</li> </ul>
	<b>DLR, Institut für Verkehrsforschung</b>  <a href="http://www.dlr.de/vf/">www.dlr.de/vf/</a>	<i>Institute of Transport Research Research on more efficient concepts mobility concepts. Departments:</i> <ul style="list-style-type: none"> <li>• passenger transport</li> <li>• commercial transport</li> <li>• mobility and urban development</li> </ul>
	<b>EHA privates Institut für Energie und Hygiene in technischen Anlagen</b>  <a href="mailto:at@eha-institut.de">at@eha-institut.de</a> <a href="http://www.eha-institut.de">www.eha-institut.de</a>	<i>Project planning, consulting and technical reports for implementation of building services and operation of technical plants: energy technology, ventilating and air-conditioning systems, cooling technology</i>
	<b>eleven solar GmbH</b>  <a href="mailto:info@elevensolar.de">info@elevensolar.de</a> <a href="http://www.elevensolar.de">www.elevensolar.de</a>	<i>Project planning and mounting of ready to use PV-plants on roofs and ground spaces</i>
	<b>ENERdan GmbH</b>  <a href="mailto:sales@enerdan.de">sales@enerdan.de</a> <a href="http://www.enerdan.de">www.enerdan.de</a>	<i>A complete range of products and services for telecommunications, wireless terminals, medical devices and electrical and light vehicles (LEV). Implementation of individual customer requirements for batteries and chargers. Complete and comprehensive process of design, engineering, prototype development, manufacturing and production in small and large scales.</i>
	<b>ENERIX, energieplus company GmbH</b>  <a href="mailto:berlin@enerix.de">berlin@enerix.de</a> <a href="http://www.enerix.de">www.enerix.de</a>	<i>Alternative energy technology, sales, project development and planning for PV-plants</i>
	<b>envia Mitteldeutsche Energie AG</b>  <a href="mailto:mario.mueller@enviaM.de">mario.mueller@enviaM.de</a> <a href="http://www.enviaM.de">www.enviaM.de</a>	<i>Energy and Heating, Trade and Service. The enviaM-group is a regional energy provider for power and gas in Eastern Germany.</i>
	<b>Laserkern GmbH</b>  <a href="mailto:info@laserkern.de">info@laserkern.de</a> <a href="http://www.laserkern.de">www.laserkern.de</a>	<i>Research and development of energy efficient emission systems for cleaning of materials and substances</i>
	<b>Fachverband Luftdichtheit im Bauwesen e.V. -FLIB-</b>  <a href="mailto:info@flib.de">info@flib.de</a> <a href="http://www.flib.de">www.flib.de</a>	<i>FLIB is the short form for the trade association for air tightness in civil engineering. FLIB serves as a central contact point for the related sector concerned on topics of airtight building shell.</i>

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	<b>ForschungsVerbund Erneuerbare Energien (FVEE)</b>  fvee@helmholtz-berlin.de www.FVEE.de	Association of research institutes on renewable energies. Focal points: Photovoltaics Solar thermal, biomass, geothermal, wind energy, system technology, fuel cells, solar architecture, energy storage
	<b>FUSS-EMV Ing. Max Fuss GmbH &amp; Co. KG</b>  info@fuss-emv.de www.fuss-emv.de	Development and production of EMC-measurement, manufacturing EMC-filters for electric drive systems, machines and systems, cranes, lifts, elevators. Moreover the field of competences includes photovoltaic-systems and -inverters for wind energy systems and wind mills.
	<b>Fraunhofer Institut für Angewandte Polymerforschung</b>  info@iap.fraunhofer.de www.iap.fraunhofer.de	The Fraunhofer Institut for Applied Polymer Research IAP is seated in Potsdam. Its department chromogenic polymers is located in Berlin Adlershof. Chromogenic materials change color and transparency reacting to temperature, voltage, pressure or light. The application potential of these materials lies among others in solar technique, engineering, automobiles and information technique.
	<b>Graforce Hydro GmbH</b>  info@graforce.de www.graforce.de	Developer of an innovative technology to generate hydrogen as a renewable energy source with the goal to relieve the supply grid both ecological and economical - and avoiding negative side effects like harmful emissions or toxic/radioactive substances.
	<b>greateyes GmbH</b>  info@greateyes.de www.greateyes.de	Developer and manufacturer of high performance digital cameras for imaging and spectroscopy purposes. Additionally, the product range covers inspection systems for solar cells and solar modules in order to detect invisible defects and to maintain their quality.
	<b>Horst Kürvers GmbH</b>  germany@kurvers.com www.kurvers.com	Founded in Düsseldorf in 1966, Kürvers is today an internationally operating group of companies and a proven specialist for pipeline projects in the petrochemical and energy industries.
	<b>Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronenspeicherring BESSY II</b>  info@helmholtz-berlin.de www.helmholtz-berlin.de	HZB operates two large scale scientific facilities for investigating the structure and function of matter: the research reactor BER II, for experiments with neutrons, and the electron storage ring BESSY II, producing an ultra bright photon beam ranging from Terahertz to hard X-rays.
	<b>Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Institut für Silizium-Photovoltaik</b>  info@helmholtz-berlin.de www.helmholtz-berlin.de	Research at the scientific and technological foundations for the application of thin film technology in silicon photovoltaics: Thin film solar cells. The main topics are to develop new technologies and the use of modern analytical methods for characterisation of solar cells.
	<b>Home Power Solutions GmbH</b>  mail@homepowersolutions.de www.homepowersolutions.de	Competence Fields: • Photovoltaics • Renewable Energy & Photovoltaics • Wind Energy
	<b>ICE GATEWAY GmbH</b>  info@ice-gateway.com www.ice-gateway.com	Connected city - a concept of wireless infrastructure (IaaS: Infrastructure as a Service), which optimizes the outdoor lighting and adds many value added services for people passing by lights and also for sensors and devices (IoT: Internet of Things) in smart cities.
	<b>IGEA</b>  kontakt@igea-berlin.com www.igea-berlin.com	Two main pillars of business: construction (provision of land and infrastructure, underground and road construction) and plant engineering (waterworks and wastewater treatment plants, decentralised power generation).
	<b>ifg - Institute for Scientific Instruments GmbH</b>  info@ifg-adlershof.de www.ifg-adlershof.de	Manufacturer of X-ray analytical instruments with X-ray capillary optics out of microstructured glass for in-line process control of PV elements.

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	<b>INEKON Intelligente Energiekonzepte</b>	<i>Energy management und energy consulting for industry, business and buildings</i>
	dorian.alikaj@inekon.de www.inekon.de	
	<b>INGEA Planungsgesellschaft für Energieanlagen mbH</b>	<i>Customized development-, planning- and engineering services for complex, technical plants in the field of energy supply based on innovative renewable, as well as eco- and resource-friendly technologies.</i>
	info@ingea-plan.de www.ingea-plan.de	
	<b>ILS-Integrated Lab Solutions GmbH</b>	<i>Development and production of process engineering plants for process optimization in the field of renewable energies.</i>
	info@integratedlabsolutions.com www.integratedlabsolutions.com	
	<b>Interbran Systems AG</b>	<i>Interbran Systems AG develops and produces highly efficient insulation compound system-solutions. The innovative products not only ensure that the building remains dry both on the inside and out, they also considerably reduce heating and cooling costs, and provide lasting protection against environmental conditions.</i>
	info@interbran-systems.de www.interbran-systems.de	
	<b>Integrative Research Institute for the Sciences - IRIS Adlershof, Humboldt- Universität zu Berlin</b>	<i>The Integrative Research Institute for the Sciences IRIS Adlershof of the Humboldt-Universität zu Berlin explores novel hybrid materials and functional systems with so far inaccessible optical, electronic, mechanical and chemical properties. This research is connected to fundamental studies of structure and dynamics of matter on extreme length and time scales and in complex systems.</i>
	rabe@physik.hu-berlin.de www.iris-adlershof.de	
	<b>Inuru GmbH</b>	<i>Competence Fields:</i> <ul style="list-style-type: none"> <li>• Lighting Technology</li> <li>• OLED Lighting Components</li> <li>• Photonics and Optics</li> </ul>
	mail@inuru.de www.inuru.de	
	<b>LEDsparlicht GmbH</b>	<i>Consulting in customer's specific environment, offering LED Bulbs for light at home, in studios, halls, street lighting</i>
	info@ledsparlicht.de www.ledsparlicht.de	
	<b>Leibniz-Institut für Kristallzüchtung im Forschungsverbund Berlin e.V. (IKZ)</b>	<i>Cultivation of crystalline materials, development, preparation, and characterisation of new types of crystalline substances and manufacture of defined samples. The selection of materials is carried out with a view to potential applications and fundamental research in the fields of information technology, power electronics, photovoltaic technology, sensors, and optics. In its role as a service facility, the IKZ works as a cooperation partner in joint ventures with interested domestic and overseas universities and non-academic institutions.</i>
	cryst@ikz-berlin.de www.ikz-berlin.de	
	<b>lesswire AG</b>	<i>Smart metering products and solutions for building automation market, in order to reach environmental protection targets. Through precisely timed compilation of consumption data (electricity, gas, water, heat), private customers will be able to control their energy consumption and thus save on energy costs.</i>
	info@lesswire.com www.lesswire.com	
	<b>Lufttechnik Schmeißer GmbH</b>	<i>Manufacturer of ventilation-, fresh air heating- and pump- systems. Provider of energy efficient and user-friendly systems for single family homes and apartment buildings, large residential complexes and commercial buildings like offices and schools. The aim is to enhance the use of renewable energies for heating the buildings and saving the limited resources of the earth.</i>
	info@lufttechnik-schmeisser.de www.lufttechnik-schmeisser.de	
	<b>PT Photonic Tools GmbH</b>	<i>Development and production of components, which ease the use of the ultrashort pulse laser, i.e. for a more efficient cutting of solar cells.</i>
	info@photonic-tools.de www.phtonic-tools.de	
	<b>Plasmatrex GmbH</b>	<i>Provider of service and equipment for the semiconductor industry. Focal points:</i> <ul style="list-style-type: none"> <li>• Plasma monitoring and data analysing (using Hercules)</li> <li>• Physical and chemical modelling of RF-plasmas</li> <li>• Process development and process transfer</li> <li>• Qualifications for process ingeniers</li> </ul>
	info@plasmatrex.com www.plasmatrex.com	
	<b>Polar Refrigeration GmbH</b>	<i>Primary focus on design &amp; packaging of energy efficient refrigeration equipment for the oil &amp; gas, energy and chemical market sectors.</i> <i>Competence Fields:</i> <ul style="list-style-type: none"> <li>• Construction/ Cooling Networks/ Energy Systems</li> <li>• Renewable Energy &amp; Photovoltaics</li> </ul>
	info@polar-refrigeration.de www.polar-refrigeration.de	

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	<b>Prediktor GmbH</b>  wittig@prediktor.de www.prediktor.de	<i>Manufacturing Execution System (MES) for the PV industry and integration into the production lines, programming interfaces according to SECS/GEM, PLC programming (S7, Beckhoff, Allen Bradley), laser marking and identification for thin-film-, glass-, solar thermal panels-, wafer- and cell-industry, special machines for photovoltaic industry.</i>
	<b>PVcomb Kompetenzzentrum Dünnschicht- und Nanotechnologie für Photovoltaik Berlin</b>  info@pvcomb.de www.pvcomb.de	<ul style="list-style-type: none"> <li>• Public-Private Project development for Thin film Industry</li> <li>• pilot production lines for amorphous / microcrystalline silicon (a-Si / <math>\mu</math>c-Si) and CIGS modules on 30x30 cm<sup>22</sup></li> <li>• Technology Transfer</li> </ul>
	<b>rd Notstromtechnik GmbH</b>  info@rd-n.de www.rd-n.de	<i>All types of battery-powered systems such as UPS-systems, ZSV-systems, industrial power supplies, battery-systems, etc.</i> <ul style="list-style-type: none"> <li>• design, supply and ready-to-use installation of these systems</li> <li>• manufacturer-independent service and preventive maintenance of equipment</li> </ul>
	<b>Roth &amp; Rau AG</b>  dieter.linke@roth-rau.de www.roth-rau.de	<i>Development of plasma technologies and implementation into equipment solutions for applications in various industrial sectors. Since 10 years, the main focus is on plasma technologies for the pv-industry. The portfolio within the photovoltaics range was extended with new product lines like turnkey production lines for crystalline silicon solar cells and thin film solar modules on cadmium-telluride basis.</i>
	<b>RTG Mikroanalyse GmbH</b>  info@rtg-berlin.de www.rtg-berlin.de	<i>Service-oriented enterprise focusing its main activities on microanalysis by means of Secondary Ion Mass Spectrometry (SIMS). Main applications: impurity analysis (qualitative and quantitative), depth profiles (qualitative and quantitative), lateral element distributions (maps), three-dimensional analyses of micro-volumes by using digital image processing techniques</i>
	<b>SENTECH Instruments GmbH</b>  info@sentech.de www.sentech.de	<i>SENTECH Instruments GmbH develops, manufactures and sells advanced quality instrumentation for thin film metrology (reflectometer, ellipsometer, spectroscopic ellipsometer), photovoltaics (inline and offline measurement tools), and plasma process technology (plasma etcher, plasma deposition systems, ALD, customized solutions).</i>
	<b>Silicor Materials</b>  info@silicormaterials.com www.silicormaterials.com	<i>Silicor Materials, seated in the US, Canada and Germany, primarily manufactures "green and cost-efficient" solar silicon, which can be converted into world-class PV cells. The research and development center in Berlin is operated in proximity of the Leibniz-Institut für Kristallzüchtung (Institute for Crystal Growth).</i>
	<b>skytron® energy GmbH</b>  info@skytron-energy.com www.skytron-energy.com	<i>Development and manufacturing of high-precision measurement, monitoring and control systems for the photovoltaic sector with solutions for the entire energy conversion chain in the photo-voltaic solar power plants.</i>
	<b>Solardynamik GmbH</b>  berlin@solardynamik.de www.solardynamik.de	<i>The aim of the company ist to develop, manufacture and distribute fixed and dynamic delivery systems from polymeric membrane technology for PV-module and -foils. Solardynamik also offers PV-plants-installations, integration of PV-systems and related services.</i>
	<b>SOTA SOLUTIONS GmbH</b>  info@sota-solutions.de www.sota-solutions.de	<i>Development of new technologies for efficiency increase in the field of renewable energies. The core tehnology SOTA is an intelligent method of optimising, which can adapt itself to new challenges and improves its results continuously. Based on this innovation the company provides solutions for the optimization of biogas-plants, smart grids and production processes.</i>
	<b>Technology Management Group</b>  office@tmg-gmbh.com www.tmg-gmbh.com	<i>Holistic approach for energy park solutions as well as for the individual products by using and generating energy eco-friendly in order to combine energy-saving processes of different fields for the creation of synergies. The services cover: requirement analysis, advice in site selection, consulting in the evaluation of economy, project planning, project realisation</i>
	<b>Techno Solar Solaranlagen GmbH</b>  info@technosolar.de www.technosolar.de	<i>Qualified master enterprise for engineering services, focused on planning, conception and installation of solar plants with all the required additional services.</i>
	<b>Vestaxx GmbH i. Gr.</b>  welcome@vestaxx.de www.vestaxx.de	<i>Electric supplementary heaters offer one alternative, and these are often installed as panel heaters on the walls for aesthetic reasons. Vestaxx has developed a technology which works very efficiently and is nevertheless invisible by applying a sheer, metal layer to the interior of the window pane which spreads heat when plugged into a power source.</i>

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**Vision in X industrial imaging GmbH**

info@vision-in-x.com  
www.vision-in-x.com

*Vision in X industrial imaging GmbH develops and sells innovative X-ray inspection software as well as complete NDT systems.*


**Volt in Motion Deutschland GmbH**

projects@voltinmotion.com  
www.voltinmotion.de

*Integrated solar power supply solutions for off-grid rural communities worldwide as well as metering solutions and consulting.*


**X-Visual Technologies GmbH**

info@x-visual.com  
www.x-visual.com

*CAE Software Made in Germany. X-Visual Technologies has combined engineering competency and Microsoft Visio know how to produce a sophisticated application for engineering and the documentation of industrial process plants.*


**Younicos AG**

mail@younicos.com  
www.younicos.com

*Core competence is the economic, safe, and stable integration of wind and solar power into existing grids. In cooperation with partners, Younicos designs, builds and operates up to 100 percent renewable energy systems. The company demonstrated its promises in a project in Graciosa, the second-smallest Azorean islands. On this Portuguese island, the company provided evidence that renewables can be both technically and commercially superior to fossil fuels.*