

Adlershof Cluster of Renewable Energies

Competences

	<p>ABO Wind AG global@abo-wind.de www.abo-wind.de</p>	<p><i>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.</i></p>
	<p>Algenol Biofuels Germany GmbH info.germany@algenol.com www.algenol.com</p>	<p><i>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.</i></p>
	<p>Alliander AG info.deutschland@alliander.com www.alliander.de</p>	<p><i>Operator of power and gas supply networks as well as public lighting and light signal systems</i></p>
	<p>A.S.T Leistungselektronik GmbH le@ast.de www.astle.de</p>	<p><i>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.</i></p>
	<p>Autarsys GmbH info@autarsys.com www.autarsys.com</p>	<p><i>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.</i></p>
	<p>Brilliance Fab Berlin GmbH & Co. KG Xiaozhuo Wang www.berlin-bfb.de</p>	<p><i>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.</i></p>
	<p>Blockheizkraftwerks-Träger- und Betreibergesellschaft Berlin kontakt@btb-berlin.de www.btb-berlin.de</p>	<p><i>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.</i></p>
	<p>Cyano Biofuels GmbH info@cyano-biofuels.com www.cyano-biofuels.com</p>	<p><i>Research and development focused on the Biology part of the Biofuels and chemical feedstocks business. Research and development in particular: screening, cultivation, physiology, molecular biology, analytics.</i></p>
	<p>DACHLAND GmbH dachland@dachland-berlin.de www.dachland-berlin.de</p>	<p><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></p>
	<p>DEIG Energietechnik-Insumma GmbH schuldt@deig-energie.de www.deig-energie.de</p>	<p><i>Focal points: - project development for renewable energy conversion, primarily for wind and geothermal within Germany and abroad - research and development to create innovative solutions in this field</i></p>
	<p>DKIPlan Ingenieurbüro für Energie- und Gebäudetechnik GbR info@dkiplan.de www.dkiplan.de</p>	<p><i>Focal points: - planning, construction supervision and process optimization for buildings of different functions - energy- and room- concepts for buildings and sites</i></p>
	<p>DLR, Institut für Verkehrsforschung www.dlr.de/vf/</p>	<p><i>Institute of Transport Research Research on more efficient concepts mobility concepts. Departments: - passenger transport - commercial transport - mobility and urban development</i></p>

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	<p>Eco LED GmbH</p> <p>info@eco-led.de www.eco-led.de</p>	<p><i>The eko-LED GmbH i. G. develops innovative lighting solutions based on LED technology. The installation of the lighting solutions is done by means of individually designed special profiles.</i></p>
	<p>ENERdan GmbH</p> <p>sales@enerdan.de www.enerdan.de</p>	<p><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></p>
	<p>envia Mitteldeutsche Energie AG</p> <p>mario.mueller@enviaM.de www.enviaM.de</p>	<p><i>Energy and Heating, Trade and Service. The enviaM-group is a regional energy provider for power and gas in Eastern Germany.</i></p>
	<p>Fachverband Luftdichtheit im Bauwesen e.V. -FLIB-</p> <p>info@flib.de www.flib.de</p>	<p><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></p>
	<p>ForschungsVerbund Erneuerbare Energien (FVEE)</p> <p>fvee@helmholtz-berlin.de www.FVEE.de</p>	<p><i>Association of research institutes on renewable energies. Focal points: Photovoltaics Solar thermal, biomass, geothermal, wind energy, system technology, fuel cells, solar architecture, energy storage</i></p>
	<p>FUSS-EMV Ing. Max Fuss GmbH & Co. KG</p> <p>info@fuss-emv.de www.fuss-emv.de</p>	<p><i>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.</i></p>
	<p>Fraunhofer Institut für Angewandte Polymerforschung</p> <p>info@iap.fraunhofer.de www.iap.fraunhofer.de</p>	<p><i>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.</i></p>
	<p>GESAA Automatisierungs- und Antriebstechnik GmbH & Co. KG</p> <p>info@gesaa.de www.gesaa.de</p>	<p><i>Development, specification, delivery of components for automation and drives, PLC programming, automation solutions, production of special equipments.</i></p>
	<p>Graforce Hydro GmbH</p> <p>info@graforce.de www.graforce.de</p>	<p><i>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.</i></p>
	<p>Greateyes GmbH</p> <p>info@greateyes.de www.greateyes.de</p>	<p><i>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.</i></p>
	<p>Heliocentris Energy Solutions AG</p> <p>info@heliocentris.com www.heliocentris.com</p>	<p><i>Heliocentris specialises in autonomous energy supply and energy efficiency solutions with the aim of replacing diesel generators with "zero-emission" products. The company develops and markets systems and turnkey solutions for customers in industry and science and has three business areas: Energy Efficiency, Clean Energy and Didactic.</i></p>
	<p>Horst Kürvers GmbH</p> <p>www.kurvers.com</p>	<p><i>Founded in Dusseldorf in 1966, Kurvers is today an internationally operating group of companies and a proven specialist for pipeline projects in the petrochemical and energy industries.</i></p>
	<p>Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronenspeicherring BESSY II</p> <p>info@helmholtz-berlin.de www.helmholtz-berlin.de</p>	<p><i>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.</i></p>













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	Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Institut für Silizium-Photovoltaik	<i>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.</i>
	<p>info@helmholtz-berlin.de www.helmholtz-berlin.de</p>	
	ICE GATEWAY GmbH	<i>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.</i>
	<p>info@ice-gateway.com www.ice-gateway.com</p>	
	IGEA	<i>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).</i>
	<p>kontakt@igea-berlin.com www.igea-berlin.com</p>	
	IFG - Institute for Scientific Instruments GmbH	<i>Manufacturer of X-ray analytical instruments with X-ray capillary optics out of microstructured glass for in-line process control of PV elements.</i>
	<p>info@ifg-adlershof.de www.ifg-adlershof.de</p>	
	INGEA Planungsgesellschaft für Energieanlagen mbH	<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>
	<p>info@ingea-plan.de www.ingea-plan.de</p>	
	ILS-Integrated Lab Solutions GmbH	<i>Development and production of process engineering plants for process optimization in the field of renewable energies.</i>
	<p>info@integratedlabsolutions.com www.integratedlabsolutions.com</p>	
	Interbran Systems AG	<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>
	<p>info@interbran-systems.de www.interbran-systems.de</p>	
	Integrative Research Institute for the Sciences - IRIS Adlershof, Humboldt-Universität zu Berlin	<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>
	<p>rabe@physik.hu-berlin.de www.iris-adlershof.de</p>	
	Kolibri Power Systems AG	<i>Kolibri Power Systems develops, manufactures and licenses high efficiency storage systems. The Kolibri AlphaPolymer technology is one of the leading systems of today's modern electricity storage. The Kolibri technology is used as stationary storage plants, in industry and electrical drives. The Kolibri storage systems are being produced in Berlin.</i>
	<p>harald.prokosch@kolibri-ag.com www.kolibri-ag.com</p>	
	LEDsparlicht GmbH	<i>Consulting in customer's specific environment, offering LED Bulbs for light at home, in studios, halls, street lighting</i>
	<p>info@ledsparlicht.de www.ledsparlicht.de</p>	
	Leibniz-Institut für Kristallzüchtung im Forschungsverbund Berlin e.V. (IKZ)	<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>
	<p>cryst@ikz-berlin.de www.ikz-berlin.de</p>	
	lesswire AG	<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>
	<p>info@lesswire.com www.lesswire.com</p>	
	Lufttechnik Schmeißer GmbH	<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>
	<p>info@lufttechnik-schmeisser.de www.lufttechnik-schmeisser.de</p>	

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	PT Photonic Tools GmbH info@photonic-tools.de www.phtonic-tools.de	<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>
	Plasmatrex GmbH info@plasmatrex.com www.plasmatrex.com	<i>Provider of service and equipment for the semiconductor industry. Focal points:</i> <ul style="list-style-type: none"> - Plasma monitoring and data analysing (using Hercules) - Physical and chemical modelling of RF-plasmas - Process development and process transfer - Qualifications for process ingeniers
	Prediktor GmbH 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>
	PVcomb Kompetenzzentrum Dünnschicht- und Nanotechnologie für Photovoltaik Berlin info@pvcomb.de www.pvcomb.de	<ul style="list-style-type: none"> • Public-Private Project development for Thin film Industry • pilot production lines for amorphous / microcrystalline silicon (a-Si / μc-Si) and CIGS modules on 30x30 cm²² • Technology Transfer
	Roth & Rau AG 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>
	RTG Mikroanalyse GmbH 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>
	SENTECH Instruments GmbH 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>
	Silicor Materials 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>
	skytron® energy GmbH 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>
	Solardynamik GmbH 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>
	SOTA SOLUTIONS GmbH info@sota-solutions.de www.sota-solutions.de	<i>Development of new technologies for efficiency increase in the field of renewable energies. The core tehnlogy 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>
	Technology Management Group 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>
	Techno Solar Solaranlagen GmbH 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>
	Volt in Motion Deutschland GmbH projects@voltinmotion.com www.voltinmotion.de	<i>Integrated solar power supply solutions for off-grid rural communities worldwide as well as metering solutions and consulting.</i>



Younicos AG

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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.