

WHAT'S NEW FROM EXHIBITORS...

ENERGY



As a contributor to the energy transition of communities, **Selection-EnR** offers “generator” connected automated solutions to connect to the Enedis renewable power generation grid (photovoltaic, wind, bioenergy and hydraulic). At Forum EnerGaïa 2022, Selection EnR will present an automated solution dedicated to plants between 250 kW and 1 MWc connected to the medium voltage grid (20,000V) in interface with an operating data exchange system. And notably the **system with “0” injection to promote the development of self-consumption on industrial sites.**

>Visit Selection-EnR in Hall B1 – F20



Dalkia Electrotechnics is the Dalkia and EDF Group entity bringing together all of the electrical engineering expertise required to develop renewable energy, industrial, logistics, health and educational facilities, as well as Smart Cities via Citelum's comprehensive offering.

At EnerGaïa 2022, Dalkia Electrotechnics will present its complete offering for renewable energies: from its HV substations incorporating the latest production monitoring and control technologies, custom-built in one of its three factories in France, to its technical and contractual innovations to track and improve the quality of power, availability and deployment of installations.

>Visit Dalkia Electrotechnics in Hall B2 – C23



Locating new sites on which to build renewable energy plants is a major challenge. **GEOFT** offers an innovative prospecting solution entitled ELASTICMAP, a SaaS geospatial data analysis tool used by renewables players since 2021. At EnerGaïa 2022, GEOFT will present the new functions of this solution that is constantly evolving with the same philosophy as that of the company's development: simple, fast and collaborative.

> Visit GEOFT in Hall B1 – F15



Located in the southwest of France, at the crossroads of major European gas flows, **TERÉGA** has been deploying its know-how in the development of gas transport and storage infrastructure for 75 years. The ecological, climate and energy emergency is a priority, and Teréga is working to achieve a national target of 10% renewable gas consumption by 2030, and to build a low-carbon energy mix. Teréga is committed to supporting the "Positive Energy Region" roadmap developed by the Occitania Regional authority, and is pursuing its initiatives to prepare and promote the integration of renewable gas into transport networks and storage facilities.

Projects: anaerobic digestion, pyrogasification, methanation, deployment of hydrogen ecosystems for industry and mobility, to promote resilience, competitiveness, development of supply chains and energy sovereignty.

> Visit TERÉGA in Hall B2 – D48



LANCEY Energy Storage offers energy management solutions. At EnerGaïa 2022, the company will present the first smart electric radiator incorporating a storage battery. This innovation, which is unique in the world, makes it possible to store the cheapest energy - or free energy when solar panels are installed - and reinject the stored energy into the grid according to needs. Result: optimised self-consumption, lower energy consumption and smaller electricity bills.

> Visit LANCEY Energy Storage in Hall B1 – D09



Exhibiting at EnerGaïa 2022, **Likewatt** will be showing its Optiwise software solution: analysis of current consumption, creation and optimisation of self-consumption scenarios and delivery of results in under 5 minutes. Dedicated to installers, engineering offices, consultants, construction managers, etc., the software offers them a quick way of obtaining the best results for technical and economical optimization and thereby improve their designs so as to offer the best self-consumption proposals to their clients.

> Visit Likewatt in Hall B1 – C16



Drawing on its energy know-how, **ENTENT** has developed a new patented electricity production solution: the PULSE, which it will present at Forum EnerGaïa 2022.

This technology can be used to convert low temperature heat, from 60°C to 150°C, into useful electricity.

> Visit Entent in Hall B1 – B11

INDUSTRY



ITS Fusion brings together **11 industrial firms established in the Hérault department**: Brunet Ertia, Criballet, Delta Automatisme, Freeman Industrie, Galvadoc, HTM, Instadrone, Maintcontrol, MGL, MSI and Thalys Industries, which have joined forces to pool their expertise. With activities ranging across subcontracting, design and manufacture of special machines, new build works, industrial maintenance, and predictive control and maintenance, the complementarity of the know-how offered by ITS Fusion's members enables them to respond to specific needs or conduct entire projects in the area of renewable energy. **New at EnerGaïa 2022: a multi-technical maintenance offering.** ITS Fusion offers control and maintenance 4.0 solutions for facilities and infrastructure thanks to cutting edge techniques such as vibration analysis, thermographic analysis, and drones.

>Visit ITS Fusion in Hall B2 – A33



OUTFLIER has developed a new turnkey drone based anomaly detection solution that learns and improves efficiency with each new inspection. Its technology is based on the latest advances in the field of unsupervised artificial intelligence for the geometric and perceptual modelling of a building.

>Visit Outflieger in Hall B3 – C08



Since 2000, **EUTELEC** has developed exclusive expertise and know-how based on in-depth knowledge of electrical materials and equipment, the associated installation processes and the standards and regulations governing safety in electrical installations. At EnerGaïa 2022, EUTELEC will present its new range of 3kW AC/DC power cabinets, as well as its new range of photovoltaic shelters.

>Visit Eutelec in Hall B2 – C45

TRANSPORT



LMI - PowiDian Mobility is a designer and manufacturer of the HyRIS, a battery electric or hydrogen-powered 3.5T light commercial vehicle which will be presented at EnerGaïa 2022. HyRIS is manufactured in the form of a chassis and cab in order to fit onto it all the tools that professionals need. HyRIS is therefore a perfect solution, designed and made in France for the decarbonisation of economic activity and therefore access to clean air zones. The project was born out of an encounter between LMI, with 30 years of automotive innovation to its credit including more than 10 in motorsport, and Powidian, a market figure in hydrogen since 2010.

>Visit LMI - PowiDian Mobility in Hall B1 – C23

WIND POWER



Specialising in temporary video surveillance **Kooi Security France** protects wind farm sites which are often susceptible to theft, intrusion and vandalism. To prevent these risks, the company has come up with UFO Pro, specially developed for large construction sites. Featuring three cameras that can be remotely fine-tuned, UFO Pro is an effective tool to protect worksite accommodation, storage areas and construction machinery. It is connected to the exclusive Kooi alarm centre.
>Visit Kooi Security France in Hall B1 – C02



NOTUS energy initiates, plans, builds and operates wind and solar farms since 2001. Managing all the stages in the process from planning to building farms, **Notus energy** also offers a range of general contracting services. At EnerGaïa 2022, the Notus energy teams will give visitors a glimpse of their ongoing projects. New wind and solar farms, more services thanks to new offices in Nantes and Montpellier, and a substantially expanded team at the Paris headquarters: Notus energy will be exhibiting at Forum EnerGaïa 2022 as a partner of choice to local authorities and landowners all over France.

>Visit Notus Energy in Hall B2 – F14



BayWa r.e. (development, construction and operation of wind and solar farms) can report on a lot of new developments at the end of 2022: numerous vacancies within Solar Systems (sales, technician and engineering profiles.), the opening of a second warehouse in the centre of France (12,000m²), an online shop for installers entirely dedicated to France, and support and advice on storage / self-consumption projects. In terms of innovation, the company is developing its activities in the field of electromobility with a comprehensive offering: project support / charging station / supervision.

>Visit BayWa r.e. in Hall B2 – E30



EOLICA is a brand new company appearing at EnerGaïa for the first time. EOLICA is the result of a project hatched more than 12 years ago by visionaries working in innovative companies. Today, the multinational ACROBATICA s.p.a. is offering it the means to stand on its own two feet and develop fully. EOLICA's business activity is in the repair of wind turbine blades, whether the damage is due to wear and tear from operational use or to accidental causes (such as bad weather conditions).

>Visit Eolica in Hall B1 – G16



At the end of 2021, the **VALOREM** Group became a mission-driven company! This new step in the group's CSR strategy reinforces its commitment to sustainability. The developer has chosen to create a mission committee consisting mainly of external figures. At the beginning of 2022, VALOREM financed the Finnish VIIATTI wind farm, the largest project in the group's history, at 313 MW, which reinforces VALOREM's international standing.

>Visit Valorem in Hall B1 – D64

8.2 | The Experts in Renewable Energy

8.2 France Dolfinés develops inspection by drone, in the firm belief that this inspection solution offers many advantages. Presented at EnerGaïa 2022, the Ohme tool developed by Dolfinés' Engineering and Projects Business Unit is intended for fixed-bottom and floating offshore wind turbines. It is a telescopic tool compatible with all turbines and does not require any modification to be made to either the mast or the nacelle.

>Visit 8.2 France Dolfinés in Hall B2 – C57

SOLAR ENERGY



Specialising in energy monitoring and control solutions for hybrid solar power systems, **Elum Energy** will present its new product ePowerControl ES, a simple controller for complex energy storage solutions for microgrids. This is a plug-and-play controller that is easy to install thanks to eConf, Elum's commissioning web interface. It is suitable for islanded microgrids, grid-tied applications, or mixed applications.

>Visit Elum Energy in Hall B2 – C81



GenSun is an EPC company specialising in the construction and maintenance of photovoltaic projects in France and abroad: whether ground-mounted, floating, rooftop, carports, or in agriculture, with power capacities ranging from 500kWp to several hundred MWp. At EnerGaïa 2022 Gensun will present its new range of innovative products: a wheeled power pack dedicated to supplying power to LIDARs, a standalone weather station for a solar PV plants, a standalone PV cell congestion measurement station, and 60m masts to measure bat populations.

>Visit Gensun in Hall B2 – B39



AFNOR Energies, the brand encompassing the services of the AFNOR group in the field of energy efficiency and low-carbon solutions, presents the label 'Projet agrivoltaïque' (agrivoltaic project). Delivered by its subsidiary AFNOR certification, this marker of recognition certifies that the installation of solar panels on farmland does not affect crops, and does not contribute to soil artificialisation. In short, the guarantee of positive impact on agricultural performance.
>Visit AFNOR Energies in Hall B2 – B18



Trace Software publishes software for electrical and photovoltaic engineering. In October 2022, Trace Software released the latest version of the photovoltaic suite, archelios™. Consisting of archelios PRO and archelios CALC, this suite makes it possible to manage an entire PV project, from the feasibility study to its installation. 3D modelling, SketchUp and Revit plugins, K2 Base and Sunny Design gateway, and optimizer integration are examples of the latest software updates that will be presented at EnerGaïa 2022.

>Visit Trace Software in Hall B2 – C88



Founded in 2010, **Talesun Solar** is the leading global supplier of solar photovoltaic solutions, and the world's seventh largest manufacturer of photovoltaic solar panels. By the end of 2022, Talesun is set to reach annual capacity of 16GW of high-efficiency polycrystalline silicon cells and 20GW of large format 182/210 mm solar modules. The company is looking to the future and has already invested more than 200 million euros in the integration of heterojunction technology and TOPCon (tunnel-oxyde-passivation-contact)

>Visit Talesun Solar in Hall B2 – F22



For the past three years, **Agrosolutions** has accompanied around 20 developers in designing their agrivoltaic projects. Its agronomic expertise and knowledge of farming specialities enables the company to place the farming project at the centre of its designs. Agrosolutions is currently working on **a tool to assess the sustainability of agrivoltaic projects**, which should be out very soon.

>Visit Agrosolutions in Hall B1 – D02

HellermannTyton

At EnerGaia 2022 **HellermannTyton** (a manufacturer of products for fastening, identifying and protecting cables, and connectivity solutions) will present its new automated cable tying system, **CPK Hybrid**. Faster than its predecessor and now battery operated, it allows users to bind cables in record time even in places without access to an electric socket. Ideal for attaching cables to PV panels in solar farms, for example!

>Visit HellermannTyton in Hall B1 – E02



At EnerGaia 2022 the fuse manufacturer **DF ELECTRIC** will present all its new solutions in fuse protection for solar PV farms working on 1500VDC and 800VAC. DF Electric will also present **its new range of gBAT fuses to protect the batteries of off-grid sites and electricity storage up to 1500VDC.**

>Visit DF ELECTRIC in Hall B2 – A23



The Hong Kong-based firm **Elioteknology** will present its range of thermosiphon solar water heaters which now has nine models, either operating 'blind', with the smart iCue system, or independently with a choice of five Titanium flat plate collectors ranging from 2 to 3 sqm. It will also present a range of thermodynamic water heaters from 100 to 300 litres and a new multi-function heat pump (reversible air source) for the home. Ultra-silent at less than 33dB, it offers an extremely quiet environment.

> Visit Elioteknology in Hall B1 – E09



At EnerGaia 2022, **RatedPower** will present its cloud-based software, pvDesign, which automates and optimizes the study, analysis, design, and engineering of photovoltaic plants. New features will be presented, such as the inclusion of battery storage. This is an important step that contributes to solving one of the big challenges of renewable energy: the intermittency of power generation. As a software solution, pvDesign is constantly developing, incorporating new features based on the feedback from its users.

> Visit RatedPower in Hall B2 – A34



The supplier of solar power equipment **SMA France** will present the **SMA Storage Business**, a highly flexible battery storage system for commercial and industrial applications. **This new system offers modular expandability up to the MW range of power.** Thanks to integrated energy management features, users can now contribute to new commercial models or connect their systems to PV/diesel hybrid applications.

>Visit SMA France in Hall B1 – E04



At EnerGaïa 2022, **Ciel & Terre** will present the new version of its floating solar technology: Hydrelia aiR Optim. It is designed to offer a greater density and compatibility with large-format PV panels: 670W (G12 & M10). It also offers more floatability, thus perfectly catering to the needs of regions with high snowfall potential. The system as a whole is optimised, including the design of the maintenance float, offering more comfortable working conditions to maintenance technicians. Furthermore, the service offering of Ciel & Terre has expanded, now contributing a turnkey solution from design, construction and anchoring to the maintenance of the FPV platform.

>Visit Ciel & Terre in Hall B2 – A31



SIREA specialises in manufacturing systems dedicated to industrial automation and energy management, and will be presenting its new offering SmartEMS CITY at EnerGaïa 2022. This is an energy manager for cities and local authorities, designed to help them achieve the 10% reduction in energy consumption required by the government.

Sirea will also present on its stand the AEA cabinet, a photovoltaic self-consumption system with storage for private individuals, with an exciting new feature this year: the home automation function which allows private individuals to use the control functions of the cabinet and connect to the home automation configuration of their house.

>Visit SIREA in Hall B2 – D48



Atelier C2F will take advantage of the EnerGaïa exhibition to present its innovation in facade energy production: a set of facade cladding products in which solar panels are installed. There is a particular slant to achieve high productivity over the whole year, linked to a general aesthetic. C2F is in the process of filing several patents for a solution that is ultimately very simple to understand and implement.

>Visit Atelier C2F in Hall B2 – A03



CERTISOLIS is a COFRAC-accredited national testing and certification laboratory dedicated to the photovoltaic sector. It carries out all types of climatic, mechanical and electrical tests in accordance with IEC standards, as well as carbon footprint assessments and AQPV certification. At Forum EnerGaïa, CERTISOLIS will provide feedback on the changes in the carbon footprint of PV modules (according to CRE4 methodology).

>Visit Certisolis in Hall B2 – F63



SOLARMOBIL is the inventor of the Box Solaire, an electric and solar charging station which will be presented at EnerGaïa. This terminal will allow users to drive solar powered up to 10,000 km/year with two 400 Wp panels. 2 modes of use (EV charging using a T2 plug, self-consumption mode for the home). 3 models: one 400 Wp panel for 5,000 km/year, two 800 Wp panels for 10,000 km/year, four 1600 Wp panels for 20,000 km/year plus two T2 plugs for two electric cars.

>Visit Solarmobil in Hall B1 – D27

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