**The success of the jubilee Enex Expo in Targi Kielce!**

**"Invisible heating systems", mobile energy storage, new inverters, and hybrid solutions, test drives cars offering pioneering air purification systems and the premiere of the technology for small modular nuclear reactors. This is just a sneak preview of the industry solutions available to the visitors of the jubilee, 25th Enex Expo. Three hundred twenty-three companies from 15 countries presented their offers at Targi Kielce. The Kielce exhibition and congress centre hosted 19.6 thousand visitors.**

The jubilee, 25th Enex was held on 8 and 9 March 2023 in the Kielce exhibition and congress centre; that was a record-breaking event both in terms of the number of exhibitors and the exhibition space used by the exhibitors, as well as in terms of the number of visitors. The Exhibitors brought together for the power industry meeting offered a plethora of modern heating and ventilation systems, the latest photovoltaic and energy storage solutions, schemes designed to improve energy efficiency, and even hydrogen technologies.

**Rolls-Royce technology on display at Enex**

For the first time in Poland! On the first ENEX day, the British Rolls-Royce SMR presented the technology for small power plants for hydrogen generation; these can power cities or industries. The first day of the power-engineering industry's jubilee meeting, Targi Kielce joined the Central Hydrogen Cluster, established by the Świętokrzyskie Group Industria.

**The latest industry solutions and premiere presentations at the Enex expo**

The Enex we witnessed a plethora of premiere presentations of the pioneering Aquarea A2W heat pumps from the K and L series by Panasonic, the latest versions of the Smart Meter electricity consumption meters by Fronius, the technology for building wooden panel houses using CLT technology by KENO Home, the iStorage household energy storage system series by Kehua and the premiere of SOFAR 110-125KTLX-G4 - a product presented by Energynat. There were also premieres galore on the second day of the show: Viessmann premiered the "invisible heating systems", BRUK-BET PV demonstrated of a new inverter, Mitsubishi Electric displayed a new heat pump for R290 refrigerant and Hypontech Polska with a hybrid solution. The Enex also saw TIGO EI Residential premiere - a new energy storage solution from Tigo Energy. The appliance operation was discussed by Małgorzata Osińska from Tigo. The solution was additionally presented at the 7Sun expo stand. Domestic and world novelties abounded at the Exhibitors' booths.

For the first time in Poland, during the Enex fair, Huawei Digital Power presented the latest solution in the field of large-scale energy storage - the latest industrial energy storage LUNA 2000 with a capacity of 2 MWh. Such solutions can significantly relieve the power grid and increase energy security.

**The best gain recognition - power engineering and renewable energy sources champions**

The jubilee ENEX expo ceremony offered the opportunity to recognise the companies; the Jury Panel indicated the most innovative and compelling products showcased at this year's exhibition. Companies which boast innovative way of presenting their expo offer and attractive expo stand were also recognised. 17 medals and distinctions were awarded in seven categories. TOP DESIGN was awarded to 18 companies In the "Solar Energy" category, the Targi Kielce Medal was awarded to Bruk-Bet LLC from Żabno for Bruk-Bet Photovoltaic Modules with nTYPE Seni Perfect Edge cells. The award in the same category was presented to: Sungrow Polska LLC from Warsaw for the Modular Inverter 1+X(SG1100UD), Bravos LLC from Gorzów Wielkopolski for Ionic Roof Wand and to Alpha ESS Europe GmbH from Germany for the Smile T-10-HV hybrid inverter with energy storage. In the "Diagnostics in photovoltaic" category, the Targi Kielce Medal was awarded to Sonel SA from Świdnica for its PVM-1020 KIT and the Kielce University of Technology, CENWIS - Science and Implementation Center for Smart Specializations of the Świętokrzyskie Region Industrial Laboratory of Low-Emission and Renewable Energy Sources, Kielce for the Comprehensive Service of Testing PV Modules in the electrical, thermovision and electroluminescent profile Targi Kielce medal in the "Heat pumps" category was awarded to Solgen LLC from Krakow for the VGE ECO AIR heat pump, IGLOO LLC from Nowy Wiśnicz for the IGLOO MultiTherma heat pump, Panasonic Marketing Europe GmbH LLC from Warsaw for ETHEREA and Mitsubishi Electric Europe BV (LLC) from Warsaw for POZ-WZ80VAA - heat pump for R290 (Propane) refrigerant. The "Hybrid Systems" category had its winners - CR-GAMA LLC from Bielsko-Biała for the Phase voltage regulator, Viessmann Sp. z o. o. from Wrocław for Viessman Invisible - a compact heating and ventilation system. Immergas Polska LLC., Łódź for Immergas Victrix Hybrid Plus received a distinction in the same category. The Targi Kielce medal in the "Ventilation Systems" category was awarded to the Kosmopell company from Dobrodzień for the decentralised, compact LG100 ventilation unit. The distinction in the "Energy Storage" category went to Mar-Bud LLC from Warsaw for the ICEON Cold Accumulator. The Platinet SA company from Krakow was awarded a distinction in the "Electromobility" category for its Type 2 6m 32A 16kW universal charger with six adapters - PC050EV. The exhibitors also received awards and distinctions for the exhibition stands arrangement and the promotion style. TOP DESIGN AWARDS were presented to the following companies: Jolywood (Taizhou) Solar Technology from China, EC GROUP Sp. z o. o., Wienkra Sp. z o. o. from Krakow, SMA Solar Technology AG from Germany, CORAB SA from Olsztyn, ENERGYNAT Sp. z o. o. z Marek, ASTRONERGY NEW ENERGY TECHNOLOGY from Singapore, Mitsubishi Electric Europe BV Branch in Poland from Warsaw, RENAC Power Technology from China. Nine expo stands of Jiangsu Zhongqing Photovoltaic from China, 4EN SA from Warsaw, SOFAR, BayWa re Solar Systems from Germany, MP SOLAR GROUP LLC GROWATT General Distributor from Ruda Śląska, GoodWe Europe GmbH from China, BYD BatteryBox - EFT-Systems from Germany, SolaX Power Network Technology (Zhe jiang) Co.,Ltd from China, Ginlong Technologies Co., Ltd. from China got accolades.

**Industry seminars, forums and conferences: all you need to know about heat pumps, photovoltaics and energy storage**

Representatives of the photovoltaic and solar collectors industry, investors, representatives of local authorities and solar energy enthusiasts were offered the chance to take part in the Solar+ Photovoltaic Forum - a nationwide conference devoted to the PV industry, the issues related to the future of photovoltaics in Poland, and the dynamic development of energy storage facilities. The first day of the ENEX saw the 16th Heat Pumps Forum held in the RESCity zone. The seminar offered the opportunity to learn about technical aspects and product innovations in the heat pump sector and heating technology in general. This is also the possibility of obtaining co-financing for this type of technology and the chance to exchange experience within the installers' milieus. All those interested in the latest trends, projects and solutions in energy storage are invited to participate in the 5th ENERGIA PL conference, which is held on the first day of the ENEX Expo; the power and RES industry's convention. The meeting was divided into four thematic groups: law, energy management systems, financial products and implementation examples from the market and energy storage. Enex agenda also encompassed the Solacademy training entitled "Energy storage kits - get to know ready-made solutions" by Damian Wilczek and in the seminar on "Distributed system of regulation in low-voltage network parameters" which featured the speaker Professor, PhD. Hab Engineer Zbigniew Krzemiński - President of the Management Board of MMB Drives.

**A spectacular live tournament for photovoltaic installers during the Enex Expo**

One the first day of the Enex, one of the Exhibitors - CORAB SA organised a spectacular tournament "Installer of the Year", in which six best
photovoltaic industry companies in Poland competed for the laurels: Voltaic System, Zielona Firma, NEO Technika, EKO PRIME, Instalacyjnyni.pl and Solego – RENEWABLE ENERGY. The sixth event in this series offered the opportunity to present efficiency, knowledge and teamwork, as the competition involved three stages: Game Show, Relay and Grand Final. Zielona Company from Krakow turned out the winner of the grand finals.

**Electromobility Zone with over a dozen electric and hybrid cars**

Once again, the Enex guests could use the Electromobility Zone with the latest models of electric and hybrid cars, and even a Toyota Mirai hydrogen car. Not only could Enex visitors see the vehicles in the flesh, but also enjoy a test ride of Mercedes EQB, EQC, EQS and EQS SUV, Fiat 500 and Fiat Ducato, Citroen eC4, Mazda MX-30 and CX-60, Mercedes eVito van, hybrid Jeep Grand Cherokee, Hyundai Kona Electric, Hyundai Ioniq 5, Peugeot e-2008 and Opel Mokka-e. The cars were made available thanks to cooperation with authorised car dealers: Toyota & Lexus Romanowski Kielce, Car Farm in Kielce, Polish Motor Association, Authorised Dealer of Mercedes-Benz Nobile Motors in Kielce and Mazda Matsuoka Kielce. Anyone who drove into the expo centre in their electric car could charge their the vehicle free of charge at guests' disposal. there were 10 charging stations located in the Kielce exhibition and congress centre.

**YouTuber's Zone and the ten most famous Polish Youtubers involved in the RES industry**

ENEX has seen the Youtubers Zone for the first time in its history - the section featured the most recognisable YouTubers who talked about renewable energy sources, electromobility and smart energy-saving technologies participate in the Enex The two days' show offered the two live meetings with Youtubers - Waldek from the "Pump and PV" channel, Sławomir - the host of the "Photovoltaic Panels" channel, Maciej from "HOLIBOOD - Healthy House", Michał from the "Electricity Powered Poland" channel, Bartosz from "Smart House 2.0.", Hubert from MAXISERVICEDIY , Piotr "Ekoniezalezna", Robert from the "mrAkumulator" channel, Tomasz from "Tomasz Żyłka PV" and Waldemar from "Zeptobox".

**Games and competitions with valuable prizes at the jubilee Enex expo**

The two days Enex included numerous competitions with valuable prizes. Enex featured a dedicated exhibition zone under the banner of RESCity of the GLOBEnergia editorial office. The city game was offered for visitors. SolarEdge offered its competition for the best designers of PV systems. Another competition for the best advertising slogan was the chance to win two heat pumps: VGE 7kW monobloc type at stand no. E-47 VGE and the Eco Pomp air-water monobloc heat pump at stand no. D-16 of PV Energia Polska.

We look forward to your presence at the next Targi Kielce International Power Industry and Renewable Sources of Energy Fair ENEX in 2024!