

AUO to Showcase Comprehensive Green Solutions in Touch Taiwan 2022

Partners with Subsidiaries AUO Envirotech and AUO Digttech to Create Opportunities in Smart Low-Carbon Transition

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In response to the international call for carbon reduction, moving towards carbon neutrality has become the goal of many governments and the key competitive niche of enterprises. With solid smart manufacturing and display technologies at its core, AU Optronics Corp. ("AUO") partners with the AUO Group's Energy Business and subsidiaries, AUO Envirotech and AUO Digttech, to take part in Touch Taiwan 2022 from April 27 to 29, 2022. Showcased in the Net Zero Emissions pavilion under the theme of "Green Smart" are AUO's comprehensive green solutions involving the creation and storage of renewable energy, as well as energy saving solutions. Also exhibited are AUO's dazzling results of working with value chain partners in the development of green products.

Teams up with subsidiaries to develop full process solutions for green manufacturing and build zero-emissions factories

In its early stages of material use, AUO Envirotech's "GPARS Material Management Platform" will be able to help inspect the environmental impacts at every stage of the product life cycle and improve product design and manufacturing processes accordingly. During the product launch stage, GPARS will compare the chemical composition of the raw materials used for the manufacturing process against the database listed by international regulations in order to screen non-toxic materials that meet the regulations. During the disposal stage, GPARS will help to determine the appropriate recycling operation according to the material composition of the product to implement resources recycling.

For the carbon emission management during the manufacturing process, the "CEM Carbon Management Platform" launched by AUO Envirotech offers a one-stop service that covers greenhouse gas inventory tools, management procedures and reports that comply with Taiwan and international standards. The aim is to effectively assist the organization to carry out carbon emission monitoring for continuous improvement. It will raise the carbon inventory efficiency by 80% and help enterprises calculate internal carbon costs, and also provide hotspot analysis of carbon emissions to help enterprises achieve the goal of low-carbon transition and net zero carbon emission.

In terms of proactive energy conservation and carbon reduction, considering that carbon emissions by most enterprises are derived from electricity, AUO Digttech launches the Smart Grid service to help business owners achieve fine management of electricity consumptions. It comes with the proprietary multifunctional signal-capturing

SPIIDER set-top box that can monitor machine currents in real time for energy flow calculation and provide an electricity consumption overview and energy consumption analysis. To prevent accidental power outages, the Smart Grid is capable of detecting energy consumption anomalies, not only accurately locating equipment with particularly high-power consumption but also providing around-the-clock monitoring. It will automatically detect any abnormal power consumption and alert the business owner in advance.

At the end of the manufacturing process, e.g., the wastewater treatment process, AUO Envirotech's next-generation Room Temperature Vaporization (RTV) equipment can optimize water treatment by way of effective wastewater diversion, improve the efficiency of water usage and reduce waste, so as to achieve process water recovery and recycling. Different from traditional technologies that rely on high-temperature evaporation for water recovery, RTV uses low-pressure vapors to keep the operation temperature at room temperature, which will not only save energy consumption but also introduce a parameter optimization AI module to maximize the efficiency of energy use.

Promote comprehensive solutions for energy transition with renewable energy creation, energy storage and SunSteel PV Metal Roofing System

To assist heavy electricity users to implement energy transition, AUO bases its Energy Business on long-standing solar module manufacturing expertise and engineering experience and extends it to the construction of energy storage projects. Complemented by its proprietary software for energy pipes developed by the Energy Business, AUO's energy transition solutions cater to the entire process management of power plants and the maintenance of energy storage systems with precision. Through AI-based performance analysis, AUO's solutions can grasp the state of the project sites in advance and provide remote diagnosis and analysis of faulty systems. The energy management platform can perform system integration and increase the percentage of green electricity used in self-generated and self-use sites. Regarding Taipower auxiliary services, the platform provides agency services to satisfy heavy electricity users' wide-ranging needs of energy management.

Promote comprehensive solutions for energy transition with renewable energy creation, energy storage and SunSteel- PV Metal Roofing System

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AUO has declared to join the global corporate renewable energy initiative RE100 and promised to increase the use of renewable energy by the year and systematically reduce carbon emissions. In terms of products, AUO continues to work jointly with

value chain partners to increase the percentage of recycled materials used and cut down energy consumption of products. AUO will also showcase the successful implementation of recycling technology that has turned recycled materials such as aluminum alloys and steel into green products. The Chief Sustainability Officer, Amy Ku, is invited to give a speech on April 29 entitled, “Embracing a future of net zero emissions: AUO's climate pledges and actions”, in which to share AUO’s response measures and sustainability vision amid the challenge of global low-carbon transition.

*** View the video "Decarbonization Pioneer of Reaching Net-Zero Emissions":**

<https://youtu.be/M8sPNxYv0gw>

AUO photos can be downloaded at the Company’s website:

https://auo.com/en-global/Download_Photos

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ABOUT AU OPTRONICS

AU Optronics Corp. (“AUO”) is one of the world’s leading providers of optoelectronic solutions. Based on its profound R&D and manufacturing experience, AUO offers a full range of display applications and smart solutions integrating software and hardware, and leverages its core expertise to enter new business areas such as solar, smart retail, general health, circular economy and smart manufacturing service. Additionally, AUO has also been named to the Dow Jones Sustainability World Index since 2010. AUO’s consolidated net revenues in 2021 were NT\$370.69 billion. For more information, please visit AUO.com.

Safe Harbour Notice

AU Optronics Corp. (“AUO” or the “Company”) (TWSE: 2409), a global leader of TFT-LCD panels, today announced the above news. Except for statements in respect of historical matters, the statements contained in this Release include “forward-looking statements.” These forward-looking statements are based on our management's expectations, projections and beliefs at the time regarding matters including, among other things, future revenues and costs, financial performance, technology changes, capacity, utilization rates, yields, process and geographical diversification, future expansion plans and business strategy. Such forward looking statements are subject to a number of known and unknown risks and uncertainties that can cause actual results to differ materially from those expressed or implied by such statements, including risks related to the flat panel display industry, the TFT-LCD market, acceptance of and demand for our products, technological and development risks, competitive factors, and other risks. In addition, our Annual Report contains other information on these and other factors that could affect our financial results and cause actual results to differ materially from any forward-looking information we may provide. We undertake no obligation to update or revise any forward-looking statements to reflect subsequent events, new information or future circumstances.

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