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## PPG achieves ISO 14001 certification of environmental management system

Shannon, Ireland facility builds on PPG's and UDC's sustainability commitments

SHANNON, Ireland--(BUSINESS WIRE)-- PPG (NYSE: PPG) today announced that it has achieved International Organization for Standardization (ISO) 14001 certification for an environmental management system (EMS) at its Shannon, Ireland, operations. The company manufactures highly efficient, high-performing organic light-emitting diode (OLED) materials at the [Universal Display Corporation \(UDC\)](#) (Nasdaq: OLED) site.

PPG produces phosphorescent organic light-emitting diode (OLED) materials and technologies for Universal Display Corporation (UDC) that are up to four times more energy-efficient than conventional fluorescent OLED materials. UDC's proprietary UniversalPHOLED® technology enhances the performance of consumer displays and lighting products by providing power savings that enable longer battery life in portable electronics and less energy consumption in larger display and lighting products. (Photo: Business Wire)

ISO 14001 is an internationally agreed standard that provides companies with a framework to help identify, monitor and control their environmental performance through efficient resource consumption and waste minimization.

"We are committed to setting near-term company-wide emission reductions through the Science Based Target Initiative. Achieving ISO 14001 certification helps advance sustainable practices across all areas of our footprint, including water, waste, energy and emissions," said Julianne Hefel, PPG general manager, Specialty Coatings and Materials. "By developing a formal EMS that is ISO 14001 certified, UDC's customers can be assured that we're adhering to best practices that manage and minimize our impact on the environment. It is an important accomplishment and the direct result of the commitment and hard work by both PPG and UDC teams."

"Environmental stewardship has been a long-standing commitment in our corporate mission," said Janice Mahon, Universal Display SVP of Technology Commercialization & GM of Commercial Sales. "We applaud our partner PPG and UDC colleagues in Ireland for their diligence and dedication in attaining ISO 14001 certification, which validates the high standard of environmental management practices in our new Shannon facility."

Enhancing the performance of consumer displays and lighting products, UDC's proprietary [UniversalPHOLED®](#) materials provide energy efficiencies that are up to four times higher than conventional fluorescent OLED materials, providing power-saving advantages for longer battery operation in portable electronics and less energy consumption in larger display and lighting products.

PPG and UDC began their partnership in 2000, just as flat-screen displays were replacing cathode-ray tube televisions and OLEDs were in the early research and development stage. Since then, the global OLED market has grown, and PPG and UDC have expanded production capacity from PPG's Monroeville, Pa. and Barberton, Ohio, sites, to Shannon.

The two companies announced in 2021 that UDC Ireland Limited and PPG were jointly establishing a new manufacturing site in Shannon for the production of UDC's highly efficient, high-performing UniversalPHOLED materials. The new facility doubles the production capacity and diversifies the manufacturing base for UDC's phosphorescent emitters to meet growing OLED market demand and evolving industry requirements.

## **PPG: WE PROTECT AND BEAUTIFY THE WORLD®**

At PPG (NYSE:PPG), we work every day to develop and deliver the paints, coatings and specialty materials that our customers have trusted for 140 years. Through dedication and creativity, we solve our customers' biggest challenges, collaborating closely to find the right path forward. With headquarters in Pittsburgh, we operate and innovate in more than 75 countries and reported net sales of \$17.7 billion in 2022. We serve customers in construction, consumer products, industrial, and transportation markets and aftermarkets. To learn more, visit [www.ppg.com](http://www.ppg.com).

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## **Universal Display Corporation**

Universal Display Corporation (Nasdaq: OLED) is a leader in the research, development and commercialization of organic light emitting diode (OLED) technologies and materials for use in display and solid-state lighting applications. Founded in 1994 and with subsidiaries and offices around the world, the Company currently owns, exclusively licenses or has the sole right to sublicense more than 5,500 patents issued and pending worldwide. Universal Display licenses its proprietary technologies, including its breakthrough high-efficiency UniversalPHOLED® phosphorescent OLED technology that can enable the development of energy-efficient and eco-friendly displays and solid-state lighting. The Company also develops and offers high-quality, state-of-the-art UniversalPHOLED materials that are recognized as key ingredients in the fabrication of OLEDs with peak performance. In addition, Universal Display delivers innovative and customized solutions to its clients and partners through technology transfer, collaborative technology development and on-site training. To learn more about Universal Display Corporation, please visit <https://oled.com/>.

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All statements in this document that are not historical, such as those relating to the projected adoption, development and advancement of the Company's technologies, and the Company's expected results and future declaration of dividends, as well as the growth of the OLED market and the Company's opportunities in that market, are forward-looking financial statements within the meaning of the Private Securities Litigation Reform Act of 1995. You are cautioned not to place undue reliance on any forward-looking statements in this document, as they reflect Universal Display Corporation's current views with respect to future events and are subject to risks and uncertainties that could cause actual results to differ materially from those contemplated. These risks and uncertainties are discussed in greater detail in Universal Display Corporation's periodic reports on Form 10-K and Form 10-Q filed with the Securities and Exchange Commission, including, in particular, the section entitled "Risk Factors" in Universal Display Corporation's Annual Report on Form 10-K for the year ended December 31, 2021. Universal Display Corporation disclaims any obligation to update any forward-looking statement contained in this document.

(OLED-C)

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