

NEWS RELEASE

NSG Group - Power Generating Window Installation

TOLEDO (January 12, 2021) – NSG Group announced in [May 2019](#) a joint development agreement between its subsidiary (Pilkington North America) and Ubiquitous Energy (UE), a leader in transparent solar technology, to jointly develop transparent solar windows.

A fully transparent, energy-generating window featuring UE Power™, UE's transparent photovoltaic technology was recently installed at the NSG facility in Northwood, Ohio. This building integrated photovoltaic (BIPV) technology transforms an average window into a solar cell that generates electricity.

UE's transparent photovoltaic coating adds an invisible element of power generation by capturing non-visible wavelengths and creating a window that acts as a photovoltaic cell without obstructing the view. UE Power™ collects and transmits electricity through an onboard system built discreetly into the window frame. The collected electricity is then transferred to a battery capable of powering a variety of products and increasing the overall energy efficiency of a building. These windows can be used in addition to solar cells on a rooftop, as they exponentially increase the area available for power generation on a large building by enabling the full facade to collect energy.

Installation of Ubiquitous Energy's UE Power™ windows



In addition to generating power, the UE Power™ installation in Northwood takes a wide variety of technical data points from the site, such as wind speed, light exposure, and outside temperature. In a full installation, the data could then be used to integrate with the building's system controls to determine how to best utilize the power in the operation of the building. The Northwood site will use the BIPV system to power exterior signage and lighting. In the future, a larger installation could potentially offset significant building power consumption.

NSG has a deep history in technology innovation and is very excited about the future of this BIPV technology, our partnership with Ubiquitous Energy, the benefits for consumers and building occupants, and the impact on meeting building demands of the next decade.

About NSG Group

NSG Group (Nippon Sheet Glass, Co., Ltd. and its group companies) is one of the world's largest manufacturers of glass and glazing products for the architectural, automotive industry and technical glass sectors. With around 27,000 employees, NSG Group has principal operations worldwide and sales in over 100 countries. <http://www.nsg.com>

MEDIA CONTACT

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About Ubiquitous Energy

Ubiquitous Energy is the world leader in transparent photovoltaics. Its award-winning UE Power™ technology is the world's only truly transparent solar product. UE Power™ harvests solar energy and serves as an invisible, onboard source of electricity for a variety of end products. The thin coating can be applied to the surface of windows glass to provide electricity generation and energy efficiency while remaining visibly indistinguishable from the fully transparent standard windows on the market today. Originally spun out of MIT, Ubiquitous Energy is now producing its highly transparent, efficient solar cells and windows in its production facility in Silicon Valley.

For more information, visit www.ubiquitous.energy or contact us as pr@ubiquitous.energy.