

ASX RELEASE

7 June 2023

ASX: NVU

Nanoshield™ Solar enters US market with first trial installation

Highlights

- Nanoveu has signed a Memorandum of Understanding ('MOU') to establish a demonstration and test facility for Nanoshield™ Solar technology in McMinnville, Tennessee, USA
- Installation to support market entry to the US and serve as the first demonstration site in North America, following successful trial deployments of Nanoshield™ Solar in the Philippines and Malaysia
- Nanoshield™ Solar technology aims to mitigate accumulation of dust, algae and lichen on the surface of solar panels in order to improve efficiency
- PCT Patent Application pertaining to Nanoshield™ Solar (PCT/MY2023/050037) has been lodged with a priority date of May 15th, 2023

Nanoveu Limited ("Nanoveu" or "Company") (ASX: NVU), a company specialising in protective films and coatings, is pleased to advise that its first trial installation of Nanoshield™ Solar is to proceed in the USA at a farm in McMinnville, Tennessee, USA (**Daylily Nursery Farm**).

The Company will establish at least two identical but independent solar installations as "Test" and "Control" strings for testing Nanoshield™ Solar over a section of Daylily Nursery Farm. The data from the trial will be collected over 4-6 weeks to evaluate the benefits of Nanoshield™ Solar treatment.

The site will enable Nanoveu to showcase its products to potential US-based customers invited to inspect the facility and installations. Similar demonstration Nanoshield™ Solar installations have been established in the Philippines and Malaysia, following the exclusive marketing and distribution agreement signed with One Renewable Energy Enterprise Inc (see ASX announcement 13 April 2023).

Nanoveu will fund the initial deployment, with the Daylily Nursery Farm owner able to purchase the materials and pay for the installation at the completion of the trial. Following initial product evaluation, the parties will also be able to negotiate the installation of Nanoshield™ Solar over the entire solar facility.



Figure 1: Solar Panels at Daylily Nursery Farm

Nanoveu has now filed an International PCT Patent Application PCT/MY2023/050037 pertaining to Nanoshield™ Solar, with a priority date of May 15th 2023. The invention is titled - AN ANTI-SOILING, SELF-CLEANING, AND ANTIMICROBIAL COATING FOR DISINFECTING SURFACE.

Commenting on the trial installation of Nanoshield™ Solar in the USA, Alfred Chong, Managing Director of Nanoveu said: "We are extremely pleased to be commencing our first trial installation in the US, following recent test site deployments in the Philippines and Malaysia. We believe that Nanoshield™ Solar has significant application potential for large solar assets globally, and we look forward to updating the market on the commercialisation of this unique technology."

Nanoshield™ Solar

When Nanoshield™ Solar is applied to the surface of solar panels, a chemical reaction is created on the glass which grows a "cross-linked" and "branched" ultra-thin silicone film (*nanofilm*) from below the surface out. This durable film can substantially and rapidly increase the hydrophobicity of the panel surface helping repel contaminants. Nanoshield Solar surface coatings are approximately 10 times stronger than *hydrogen-bridge* bonds, which are commonly present in most other water repellent coatings.

This announcement has been authorised for release by the Board of Directors.

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About Nanoveu Limited

Nanoveu is a company specialising in protective films and coatings. <https://www.nanoveu.com/>

Nanoshield™ - is a film which uses a patented polymer of Cuprous embedded film to self-disinfect surfaces. Nanoshield antiviral protection which is available in a variety of shapes and forms, from mobile screen covers, to mobile phone cases and as a PVC commercial film, capable of being applied to a number of surfaces such as door handles and push panels. The perfectly clear plastic film contains a layer of charged copper nanoparticles which have antiviral and antimicrobial properties. This technology is also being applied to fabric applications targeting use in the personal protective equipment sector.

Nanoshield™ Marine prevents the accumulation and growth of aquatic organisms such as algae, barnacles, and mussels on the hulls of ships, boats and other structures that are submerged in water.

Nanoshield™ Solar is designed to solve a major issue for solar panels, being reduction of power output from panel surface debris.

EyeFly3D™ - is a film applied to digital displays that allows users to experience 3D without the need for glasses on everyday mobile handheld devices.

Customskins - are vending machines capable of precisely applying screen covers to mobile phones with an alignment accuracy of 150 microns.

EyeFyx - currently in the research and development stage, EyeFyx is a vision correction solution using hardware and software to manipulate screen output addressing long-sightedness without the need to wear reading glasses.

Forward Looking Statements

Statements regarding plans with respect to Nanoveu's projects and products are forward looking statements. There can be no assurance that Nanoveu's plans for its projects or products will proceed as expected and there can be no assurance of future sales.