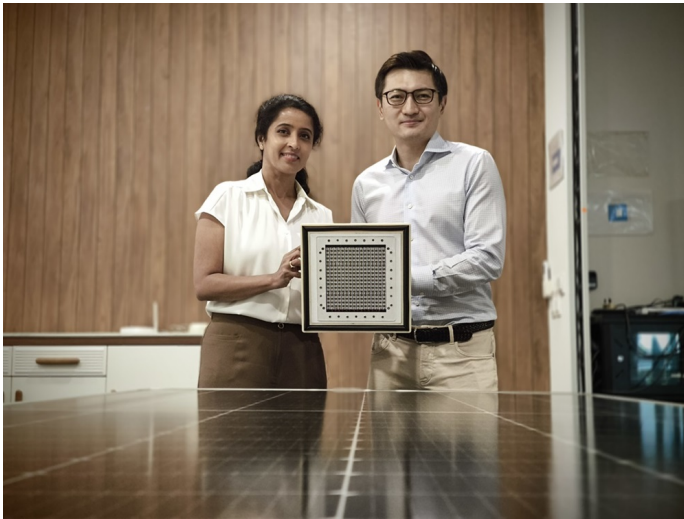


# Tech Revives, Shields Solar Panels from Degradation

Using an innovative device that can energise old solar cells with multiple times the intensity of sunlight, scientists from EtaVolt, a spin-off from NTU Singapore can rejuvenate old solar panels quickly and affordably. It can also protect both new and old solar panels from performance degradation caused by light and heat.

The underlying science behind this cutting-



edge technology was developed at the Energy Research Institute @ NTU (ERI@N) and has been exclusively licensed to EtaVolt for commercialisation and scale-up. The local start-up is also believed to be the first in the world to offer a commercial solution that can extend the operational lifespan of solar panels.

EtaVolt's proprietary device is a game-changer in the solar energy industry, particularly in tropical regions like Singapore, where solar panels are subject to rapid deterioration due to constant exposure to intense sunlight, heat, humidity and

frequent thunderstorms.

The technology has been successfully implemented in projects with major partners in the solar industry. It has been field-proven on various solar panel installations across Singapore, including those installed on rooftops of buildings.