

## Matthew Stone, NextGen Nano: A New Era in Nanotechnology



Led by a highly experienced management team that includes Chairman [Matthew Stone, NextGen Nano](#) recently achieved a breakthrough in the advancement of solar cells, demonstrating increased efficiency in tandem organic photovoltaic (OPV) devices.

NextGen Nano's research demonstrated the aptitude of HSolar, a comparatively simple material when used as an interconnecting layer in tandem solar cells. HSolar proved to be not only stable but highly efficient in tests that were replicated by several research groups.

The research group's findings were outlined in a paper recently published on the inside cover of the *Advanced Energy Materials* journal. By revealing its recipe, NextGen Nano has enabled independent research teams to replicate its research, with the ultimate aim of developing increasingly efficient multi-junction OPV technology. Simulations indicate that an efficiency of more than 22% could be achievable based on NextGen Nano's research.

As explained by Director of Operations [Duncan Clark, NextGen Nano](#) findings could pave the way to a brighter, more sustainable future through the widespread use of

OPV technology. Mr. Clark indicated that developing OPVs has presented efficiency and replication challenges, hindering commercialization. Nevertheless, the accomplishment achieved by the NextGen Nano team could prove a crucial step in overcoming these issues.