

AUTONOMOUS SOLAR CLEANING ROBOTICS

Waterless and self-powered, the system significantly improves solar panel productivity and energy generation output. It also removes labour-intensive, hazardous manual panel cleaning, reduces generation downtime, and increases panel cell lifespans.

The first automated solar panel cleaner designed for and field-proven in the toughest of Australian site conditions. Ideal for remote solar power generation and hybrid off-grid plants including mine sites, industrial, agriculture, and renewable energy producers.



Improving Solar Generation Efficiency



Up to 40% more clean energy generation improvement
Waterless, autonomous for sustainability



Removes people from potentially hazardous cleaning
Increases staff productivity by removing manual processes



More reliable clean power generation preventing failover to diesel
Removes fail-over to diesel due to under-performing solar output



Increased life of solar cells plus reduced staining
Saves cost of new panels by increasing output per existing panel



System feedback data reporting options available
Expert design, installation and maintenance at any site

Mine Site and Remote Location Support

Established in 2017, Innovative Energy Solutions (IES) is a Australian owned and operated electrical contracting company providing industrial energy solutions across Australia.

We are specialists in supporting major energy and hybrid infrastructure projects for the mining, construction, oil & gas and engineering sectors.