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Project Progress

THE SIGNIFICANCE OF REUSING SOLAR PANELS AND BATTERY ENERGY STORAGE SYSTEMS (BESS)

Imagine a world where solar panels, designed to last over 25 years, are retired prematurely while still full of potential to provide us with clean energy. This situation is not merely a recycling dilemma; it's a remarkable opportunity that we should seize. By thoroughly testing these panels before they are sent for recycling, we can revitalise functional equipment, allowing it to continue making an impact. This practice alleviates the strain on our planet by decreasing the need for virgin raw materials and opens pathways to energy access in regions that need it the most.

This thoughtful approach to reuse extends beyond solar panels; it also includes batteries from energy storage systems, amplifying the benefits of circular energy practices. Each panel carries a promise, and through careful testing, we can turn these resources into symbols of sustainability and energy equity.

To guarantee that each panel's renewed journey is both safe and effective, our testing standards will emphasise safety and performance. Safety ensures that every panel not only powers but also protects, while performance confirms that each panel reaches its full potential. Products that successfully meet these criteria will be marked clearly, indicating their eligibility for reuse. Every panel will undergo comprehensive, non-destructive testing to validate its safety and performance. We have conducted thorough safety and performance assessments on these used panels. It is beneficial to document their origins and the reasons for their removal, preserving their narratives. Visual inspection guidelines have been developed to assist in the process. While refurbished panels will proudly display new labels, they will not retain their original warranties. Each panel will come with a heartfelt statement confirming its testing and donation, free of any additional warranties.

Looking to the future, meticulous efforts are underway to develop testing units for batteries. Every test will adhere to recognised international standards, ensuring each battery's safe and meaningful reuse.