

Re-Stor Solar Mount

Solar Mounting Systems made of Plastic Waste

Re-Stor Solar Mount Team

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Technical Assistance Request

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Some very important details will need to be resolved regarding the model being proposed by the Re-Stor Mounting System regarding manufacturing and verification. Because the raw materials (plastic waste), have varying qualities and characteristics, we intend purposefully to over-engineer the plastic structural elements to ensure the potential to achieve certification. As there is no shortage of available material this should not pose a problem or substantial increase to manufacturing costs. The business plan will require much attention towards creating an easily replicable model in order to successfully establish a network of small to medium scale manufacturing facilities.



Wind Performance

Oak Ridge National Laboratory has the required wind tunnels and computation fluid dynamics computer modeling capabilities to complete a thorough wind performance model. In order to optimize the weight of a grouped array of panels overall several roofing types, thorough testing is required, and assessment of structural viability.

Seismic Testing

Lawrence Berkeley National Labs has vast experience and adequate shake tables to verify performance during a full range of seismic events. Seismic performance verification is essential to safety, permitting, and market confidence in coastal markets, particularly Small Island Developing States.

UL2703 certification prior to commercialization of the Re-Stor Mounting Systems INTERTEK testing laboratories has facilities and programs to complete and certify solar products to UL2703 standards.