



Shibusawa MIX Anniversary

Japanese solar panels for Philippine rooftops

This project · Japan × Philippines

Generation quality assured by MLPE operations—not by inspection.
Traditional panel QA and ordinary warranties are not required.



Core: quality via MLPE operations

On-site optimization, data, early replacement. Prepare fundamentals; the site runs itself.



Already verified at Tokigawa

Mixed used panels can still generate under this operating model.

Quality model

Not measuring everything before shipment—quality is maintained by on-site MLPE ops.

Conventional path (not our premise)

- Panel-by-panel inspection
- Claim quality via product warranty
- Exclude uneven modules

Costly · slow · stops circulation



This model: on-site MLPE autonomy

- Prepare operating fundamentals
- Autonomous per-panel optimization
- Communicate performance data
- Find and replace non-generating panels early

The local site runs itself



Circular flow

Not inspection-centered—quality is proven in autonomous local operations.

Japan

1. Collect · sort
2. Export · logistics
3. Operating fundamentals

Hamaya · I-S3



Philippines (local autonomy)

1. Install + MLPE
2. Optimize output · communicate data
3. Early anomaly detection → replace

Amber Horizon · local ops





Already underway · under development

Tarlac warehouse

Distributed self-consumption node. Validating autonomous MLPE ops under PH power conditions.



Already underway · in preparation

Mabuting Pastol school

Resilient self-consumption for a community facility. Preparation underway.

Partners



Hamaya

Reuse · logistics · circulation



I-S3

MLPE · ops QA · monitoring · O&M



Amber Horizon Energy

PH rooftop · EPC · PPA (under preparation)



Amber Horizon Energy is under preparation. Wider deployment comes after node validation. Environmental value and carbon credits remain a future possibility—not a present claim.



Continue here (site · video · contact)

<https://www.i-s3.com/second-life-solar/qv.html>

This project
Quality via MLPE operations