CASE STUDY

MAUI BREWING COMPANY

PROJECT OVERVIEW | BREWERY HYBRID SOLAR

OBJECTIVES

Reduce brewery **environmental impact**
Reduce **operational cost & variability**
Meet **thermal and electrical demands**

SPECIFICATIONS

Location: Kihei, HI, USA
Year: 2011
Demand: Water heating (160°F) + chilling (40°F)
Size: 220 SunDrum modules
Power: 248 kW

SOLUTION SUMMARY

SunDrum Solar installed **220 SunDrum Collectors** behind conventional PV panels to offset brewery water heating & cooling demand. Heat pump integration supported **simultaneous heating and cooling** using **only solar energy**, maximizing **cost control** and **environmental benefit**.

WHY SUNDRUM SOLAR?

SunDrum Systems combine **photovoltaic (PV), solar thermal, and heat pump technology** to meet electrical and thermal demand simultaneously.

WHAT IS SUNDRUM SOLAR?

The **award-winning, patented SunDrum Collector** mounts behind PV panels to supercharge any solar system. Collectors cool the panels (improving performance) and capture usable thermal energy. Heat pump integration supports a wide range of heating and cooling applications.

HOW SUNDRUM SOLUTIONS DIFFER

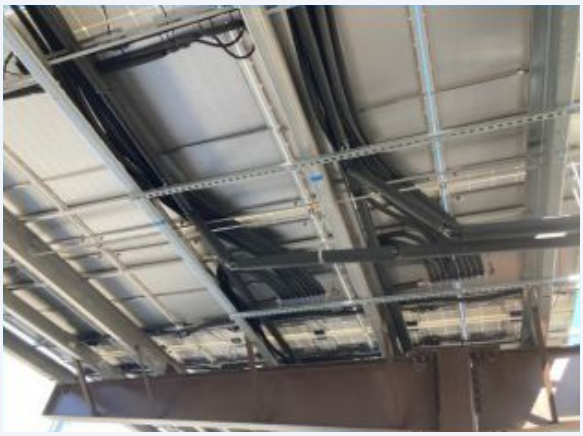
More solar power captured
3x more power per panel than PV
More useful heat
Space & water heating, up to 160°F
Better financial returns
Faster payback than PV or solar thermal
Made in the U.S.A.
Predictable timelines, increased rebates

390 metric tons
Annual emissions reduction

53,000 therms
Annual energy output

COP = 16
Heat pump efficiency

Hybrid Solar System



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sundrumsolar.com

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