



Solar air conditioning philippines

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The SunTrac Solar Thermal SmartPanel is a solar air conditioning solution that employs a renewable energy method of adding pressure and heat to the refrigeration cycle. This, in turn, reduces the required workload of the compressor and lowers the overall power consumption of the system.

This hybrid-thermal air conditioning system displaces a portion of the mechanical energy used by variable capacity, multi-stage, and variable speed compressors, keeping the compressors in low stage, low range, or low capacity while still delivering full and part-load cooling requirements. As a result, the approach translates to significant energy savings.

The SunTrac Panel has concentrated parabolic mirrored troughs that allow for a more efficient harvesting of the sun's energy with a smaller footprint. A photo-tracking eye keeps the parabolas focused on the sun, rotating synchronously with the sun's movement throughout the day.

NIDON Clean Energy took part in the Philippines' largest energy show for the third year in a row as our company president, Nick Dizon, delivered a talk last May 20 at the SMX Convention Center. His session zeroed in on the energy industry's supply and demand issues that are evident not just in the Philippines,...

SunTrac continues to prove its compatibility and functionality with various brands of air conditioners. Our most recent installation in the Philippines is with LG air conditioners: two 5-Ton splits in a commercial building in San Juan, Metro Manila. To provide a side-by-side data comparison, one unit is attached to one 8-foot panel, while the other...

NIDON Clean Energy has recently partnered with Onsite Utility Services Capital, an energy company that offers an end-to-end funding platform for energy efficiency projects. Referred to as Energy Savings as a Service (ESAAS), the model enables businesses and facilities to lower energy spend through capital-intensive enhancements without the typical upfront costs. The partnership expands Onsite's...

Here's a recording of our session at the recently concluded The Future Energy Show Philippines 2023, A Realistic Path for the Clean Energy Transition delivered by Nick Dizon. Topics included the solar power duck curve, energy storage, and the reduce-first-produce-second method using a combination of renewable air conditioning and solar PV.

NIDON Clean Energy is participating once again at this year's The Future Energy Show. We will be delivering a free talk and discussion on new energy efficiency technologies and the clean energy transition. Topics include: Solar power duck curve Energy storage projects Solar air conditioning Wind propulsion systems Airborne wind energy The session will take...



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In line with NIDON Clean Energy's aim to deliver high-performing, energy efficient solutions, our standard is to only partner with HVAC contractors that demonstrate quality workmanship. ACMI Office Systems Philippines displayed this in the pioneering SunTrac installation at the Department of Energy office in Taguig, Metro Manila. The excellently installed project was accompanied by significantly

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