

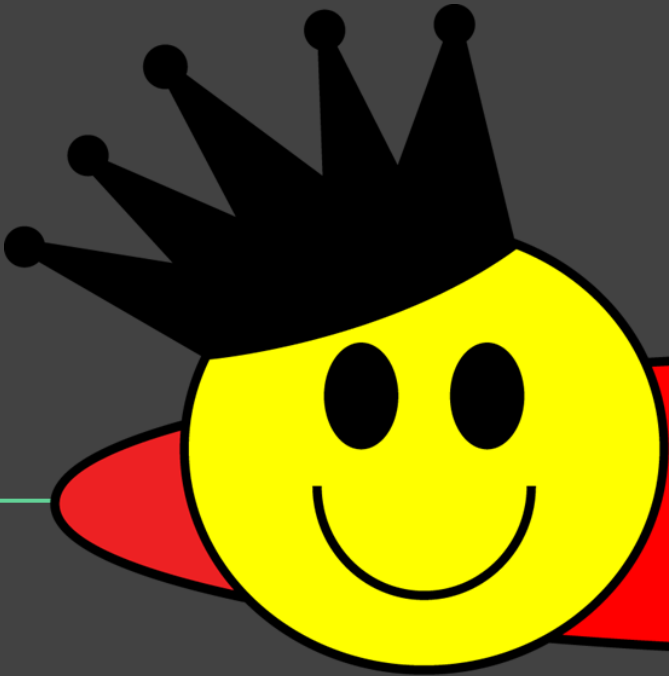
# SURANGEL & SONS CO.

## Surangel's Supercenter in IKELAU, KOROR JCM PROJECT 2014 - 2023

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PALAU: SMALL-SCALE FINANCING PROGRAM FOR JCM MODEL PROJECT

Assistant to Deputy Project Manager: Eden Uchel  
Electrician/Reporter: Fernando Gamboa  
February 2022



**Surangel & Sons Co.**

*“Where the Customer is King!”*

# 1. HISTORICAL BACKGROUND

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# The JCM Small Scale Solar Power Plants for Commercial Facilities in Island State

## SUBPROJECT 2- Surangel & Sons Company

### SUBPROJECT 2

To introduce 150kw solar power system that aids in reducing greenhouse gas emissions that come from fossil fuel combustion.

March 31, 2014 Surangel & Sons Co. signed an agreement with PCKK, Melekau Environmental, & WCTC to jointly implement the Small-Scale Power Plant Project. Signed MOU on June 02, 2014.

May 28, 2014 Island Engineering & Design began the engineering, design, supply, commission & installation of 150 kW Solar PV Power Plant at Surangel's Supercenter in Ikelau, Koror.

November 28, 2014 Surangel's Supercenter Solar PV Rooftop Power Plant Project was completed and operation by the first day of December 2014 (commission date December 4, 2014).

**SUBPROJECT 2- Surangel & Sons Company  
PROJECT SITE- IKELAU, KOROR STATE (PALAU)  
COMPLETED INFRASTRUCTURE**





Solar photovoltaic module:  
Kyocera 250W x 600



Inverter: 10kW x 15  
Monitoring System



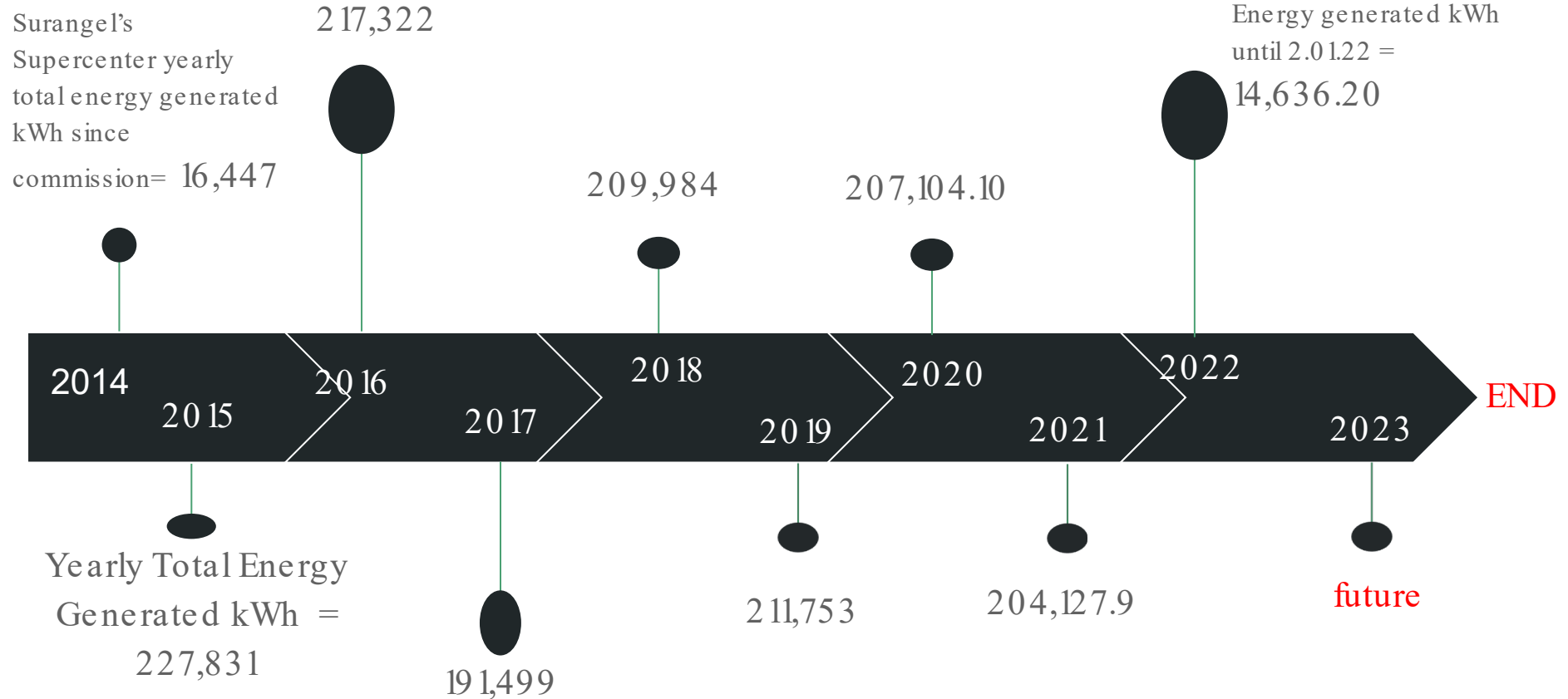
150 kW Solar Power System  
composed of six hundred 250 W  
solar photovoltaic modules

The system is connected to the grid  
utilizing the PPUC (national utility  
company) net-metering scheme.

The JCM Small Scale Solar Power Plants for Commercial Facilities in Island State  
Subproject 2 - Surangel & Sons Company  
Estimated Total Energy Generated

Solar Plant Location	Total Energy Generated kWh since Installation
Surangel's Supercenter IKELAU, KOROR 12.04.2014	Commissioned 12.04.2014 As of February 01, 2022: <b>1,500,704.20</b>
Surangel's Supercenter NGETKIB, AIRAI [ <i>NOT Subproject 2, just INFO</i> ] 12.19.2021	Commissioned 12.19.2021 <b>[ PENDING TOTAL ]</b>
Total Generation	<b>[ PENDING TOTAL ]</b>

# SUBPROJECT 2 - Surangel & Sons Company [ Total Energy Generated kWh]





**The JCM Small Scale Solar Power Plants for Commercial Facilities in Island State  
SUBPROJECT 2 - Surangel & Sons Company**

**SUGGESTIONS FOR FUTURE PROJECTS WITH JCM**

**To build OWN PV Solar Power Plant in Palau to ensure all SASCO company sites have access to clean energy, thus reducing dependency on fossil fuel combustion which helps Palau reduce greenhouse gas emissions.**

# Good Points



This subproject2 solar program has saved Japan Carbon Credits.

Under this program, Surangel & Sons Co. has saved an average of \$20K/mo on electricity and has greatly reduced our carbon emissions.

This subproject has contributed to Surangel & Sons Company's mission to become better, greener corporate citizens.

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THANK YOU!  
KOM KMAL MESULANG!  
ARIGATO GOZAIMASU!