

JSI SUBIC SOLAR POWER PLANT SCADA APPLICATION

USING VALIANTCOM VCL-2156-NTP

APPLICATION:	Time Synchronization
INDUSTRY:	Renewable Energy
REGION:	Philippines

SYSTEM REQUIREMENTS

- A reliable time synchronization source to ensure accurate timestamps for data logging and event tracking.
- Compatibility with various networked devices used in the solar power plant.
- Robust design to function optimally in outdoor and variable weather conditions.

INTRODUCTION

The JSI Subic Solar Power Plant utilizes solar energy to generate electricity, contributing significantly to the Philippines' renewable energy landscape. To enhance its operational efficiency and ensure precise monitoring of its solar generation systems, the plant integrated the Valiantcom VCL-2156-NTP GPS clock for accurate time synchronization across its Supervisory Control and Data Acquisition (SCADA) system. This integration ensures reliable data acquisition and real-time monitoring of plant performance.

VALIANT COMMUNICATION SOLUTION

The Valiantcom VCL-2156-NTP was implemented to provide GPS-based time synchronization throughout the solar power plant.

- **NTP Synchronization:** The VCL-2156-NTP synchronizes time across the plant's network, ensuring all connected devices have a consistent time reference for data logging and operational coordination.
- **GPS Accuracy:** By receiving signals from GPS satellites, the clock provides highly accurate time, essential for precise logging and monitoring of solar generation data.
- **Easy Integration:** The device is designed for simple integration into existing network infrastructures, allowing for quick deployment with minimal disruption to ongoing operations.

JSI SUBIC SOLAR POWER PLANT SCADA APPLICATION

USING VALIANTCOM VCL-2156-NTP

APPLICATION: Time Synchronization

INDUSTRY: Renewable Energy

REGION: Philippines

WHY VALIANT COMMUNICATIONS?

- Accurate Timekeeping: Provides highly precise timestamps essential for operational efficiency and compliance with regulatory standards.
- Multi-Device Support: Compatible with various devices and systems used in the solar power plant, facilitating seamless integration.
- Rugged Design: Built to withstand outdoor conditions, ensuring durability and reliable performance in a solar power environment.
- Remote Monitoring Capability: Allows for remote management and monitoring, enhancing operational oversight and maintenance planning.
- Cost-Effective Solution: Offers an economical way to ensure consistent time synchronization across the plant without the need for complex internal timekeeping systems.

CONCLUSION:

- The integration of the Valiantcom VCL-2156-NTP GPS clock at the JSI Subic Solar Power Plant has significantly improved time synchronization across the plant's SCADA system. This enhancement has led to better data accuracy, operational efficiency, and compliance with industry standards, further solidifying the plant's role in the Philippines' renewable energy sector.

