

Renewable Energy Monitoring with VerifEye™

Measurement
and Verification
Designed
For Renewable
Energy Applications

Series 7000/7100 Advanced 3-Phase Meter

Track All Renewable Energy Data Ensuring Accuracy in Billing and Crediting

The VerifEye™ Series 7000/7100 Advanced 3-Phase Meters feature bidirectional monitoring specifically designed for renewable energy applications. The Series 7000/7100 Meters measure power imported from the utility grid and power exported from renewable energy sources such as solar panels. This allows facility managers to track all energy data, ensuring accuracy in billing and crediting.



CHALLENGE

Facility has incorporated renewable energy technologies, including wind and solar, into their building's design.

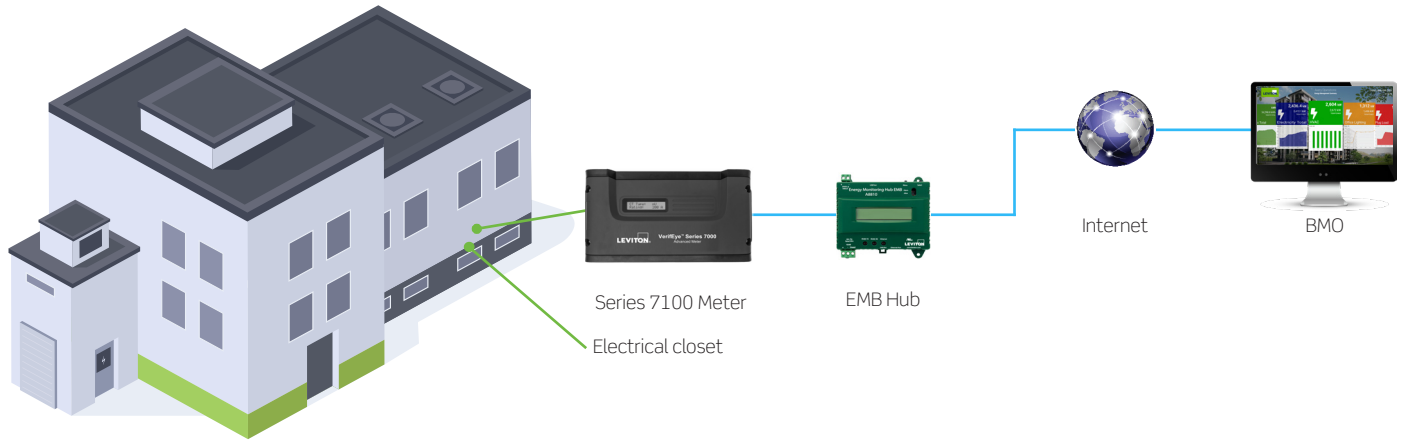
- Renewable technology will not always be able to supply all the building's power supply needs, and may create a surplus of power or little to no power depending on the season—as a result, the building is also connected to the main power grid
- Facility management must accurately account for what energy is coming from—and going—in order to properly bill tenants or receive a credit from the electricity company for how much power must be paid for
- Solution must meet California Title 24 2022 submetering requirements and be approved for the California Solar Initiative

SOLUTION

VerifEye Series 7000/7100 Advanced 3-Phase Meter is designed to accurately track imported and exported power for renewable energy applications.

- Measures power imported from the utility grid and power exported from renewable energy sources, including wind turbines and solar panels
- Seamlessly communicates with Data Acquisition and Building Automation solutions
- Measures electricity flow in two directions, showing how much energy has been consumed and how much clean power has been fed back to the utility grid
- Meets all applicable California Title 24 2022 submetering requirements and is CSI Approved for the California Solar Initiative




SERIES 7000/7100 ADVANCED 3-PHASE METER SOLUTION



SERIES 7000/7100 ADVANCED 3-PHASE METER SOLUTION-RENEWABLE MONITORING



WHAT YOU WILL NEED

HEADER		QTY
	Series 7000 Series 7100 Series 7000 Advanced 3-Phase Meter (DIN Rail Mount) or Series 7100 Advanced 3-Phase Meter (NEMA 1 Wall Mount Enclosure)	1
	EMH Hub A8810-000 Intelligent, flexible data acquisition server that collects energy data through ModBus protocol	1
	BMO BMOxx BMO Energy Management Software	1

See VerifEye Series VerifEye™ Series 7000 and 7100 Advanced 3-Phase Meter data sheet for available CTs