



Meeting Vietnam's Solar Monitoring Requirements with NRG Solar Solutions

PROBLEM

Vietnam has emerged as Southeast Asia's solar energy powerhouse in recent years. By the end of 2020, the country netted an installed solar capacity of 16,500 MW – the highest in the region. As Vietnam's solar sector continues to grow and evolve, so do the regulations that govern it. In 2017, the Vietnamese government issued a requirement that to obtain a commercial operation permit, solar plants producing 30 MW or higher must have a met station on-site, to ensure accurate measurement of available energy. PV developers, owners, and operators were then left to install solar resource monitoring systems on existing solar farms and integrate them into plans for future sites. In response, VREE, a solar EPC based in Vietnam, saw an uptick in demand from its customers for efficient and reliable solar resource monitoring systems.



SRM System from NRG Systems deployed in Vietnam. Image courtesy of Digi Technologies.

SOLUTION

VREE teamed up with Digi Technologies, a Vietnamese supplier of solar energy equipment, to create a monitoring solution that satisfied Vietnam's met station requirement for PV plants. The configuration included NRG's SymphoniePRO Data Logger, iPackACCESS communications module, and a variety of NRG meteorological sensors as well as third-party sensors. With optimum efficiency in mind, these products were selected for their superior ease of use and ability to withstand Vietnam's challenging weather and site conditions.

RESULTS

Since November 2019, VREE has installed ten NRG SRM Systems provided by Digi Technologies on five operating solar farms in Vietnam. These large-scale solar facilities are now in compliance with Vietnam's solar monitoring regulations and can accurately measure their performance. In addition to providing measurement data that show available energy, these solutions alert stakeholders to any operational issues affecting output. Inefficiencies can be identified and addressed immediately, minimizing loss of output.

BENEFITS

After numerous successful installations, VREE continues to recommend the NRG Systems SRM solutions provided by Digi Technologies to its customers. Hien Nguyen, Director of VREE, said, "NRG equipment provides stable operation despite Vietnam's extreme weather conditions, and its user-friendly design is suitable for installation in the country's most remote site locations. Having a Vietnam-based equipment provider in Digi Technologies means our customers experience faster delivery and have access to Digi's knowledgeable support team. They are always quick to respond and provide excellent customer care and accountability."

*"NRG equipment continues to exhibit stable operation despite Vietnam's extreme weather conditions, and its user-friendly design is suitable for installation in the country's most remote site locations."
– Hien Nguyen, Director, VREE*