

Expertise that scales for utility projects

Location	New York, USA
Market segment	Utility
AlsoEnergy solution	PowerTrack, custom-built rack with AlsoEnergy SCADA and a power plant controller, 3 MET stations, and networking hardware
AlsoEnergy services	Remote commissioning, project engineering, and project management
Project size	27 MW DC project, part of a 216 MW, eight-project package
Project activation	2022

Many developers and EPCs are expanding their business from only C&I to serve the fast-growing utility segment. With a longer development timeline and need to meet stringent and challenging grid requirements, this is no small undertaking; however, companies have proven the expansion into the utility segment is a catalyst for growth.

The first project was part of a package of eight solar projects awarded by NYSERDA, totaling 216 MWs. These projects were part of NYSERDA’s renewable energy standard request for proposals and were developed in close coordination with the local community and regional stakeholders in 2017 and 2018. The first project slated for completion was a 27 MW site, and it would become one of the largest solar projects in upstate New York.

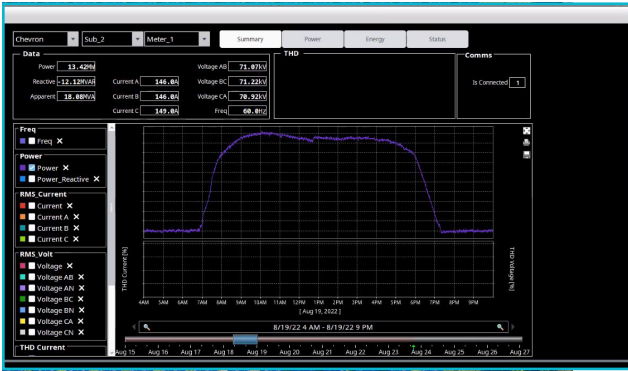
The project owner was already using PowerTrack, AlsoEnergy’s asset performance management (APM) application, to manage 964 existing sites, totaling 1.75 GWs. With the owner already familiar with AlsoEnergy’s technology, this enabled a seamless transition once the project transferred to its owner.

“With the 27 MW project being only the first within a package of seven more utility sites being developed, it was crucial that we standardized on edge solutions that could meet the complex SCADA needs. This enabled us to replicate the entire engineering, procurement, and construction process – ensuring that we stayed on time, on budget, and in compliance for the project delivery of all assets. Since we were already familiar with AlsoEnergy’s edge solutions and PowerTrack, it was a natural progression for us to partner with the company for this utility project.”

-Director of Engineering, Project Developer



Complex SCADA requirements



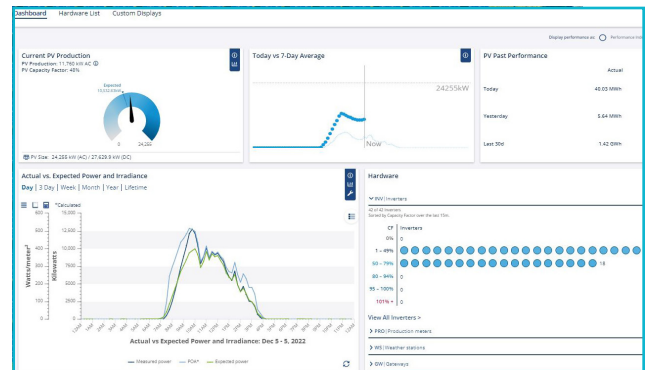
AlsoEnergy's utility solution provided the site with supervisory control and data acquisition (SCADA) that enabled real-time monitoring, analysis, and control of all power plant equipment and sensors, both at the edge and in the cloud. This ensured that the site met the complex requirements of the project's Interconnection Agreement and solar power purchase agreement (PPA). With AlsoEnergy's utility solution seamlessly integrated with PowerTrack, the onboarding process was streamlined so the owner could continue to manage the growing portfolio on a single application. Further supporting site installation, interconnection, and plant performance, AlsoEnergy technical engineers supported the construction team with onsite SCADA, power plant controller, MET stations, and networking hardware commissioning.

Deploying and monetizing clean energy at scale

While AlsoEnergy's utility solution was an integral factor in selecting AlsoEnergy's edge-to-cloud platform, so too was the company's cloud-based monitoring application, PowerTrack. The secure and reliable data on PowerTrack maximizes economic and environmental returns by simplifying clean energy management. Furthermore, PowerTrack provides real-time monitoring and controls, both remotely and on site, meeting the requirements of utility projects.

With the site consisting of various devices and multiple weather stations, the project required complex data management. But the modeling from AlsoEnergy's PowerTrack seamlessly aggregated data from all devices, making even the site's complex data manageable and meaningful. In addition, custom charting and reporting in PowerTrack met the accuracy standards of NYGATS, an online certificate-tracking system that records information about energy generated, imported, and consumed within New York.

The completion of this now operational utility-scale solar project represents New York's continued success in growing renewable energy for their communities.



“Having a monitoring and optimization application that can handle the increased throughput of more users, more data computations, and more asset hardware being analyzed while still delivering the same performance and end user experience of a smaller portfolio was critical for this project. And being able to do this on the same application that we were already using for the rest of our portfolio is an added bonus.”

-Project Owner