NRG SUCCESS STORY
NEXTERA ENERGY

Customer/Organization:

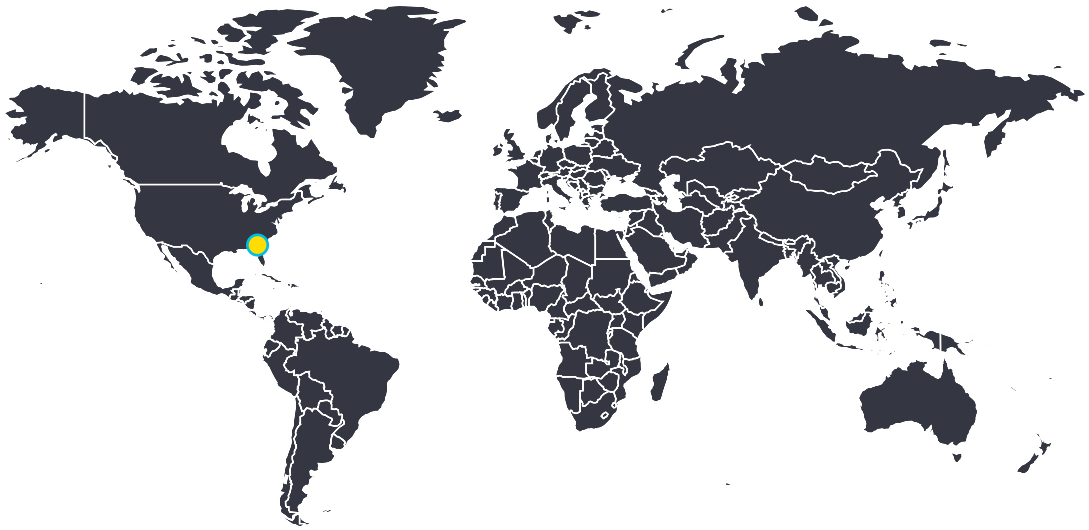
NextEra Energy

Project Location:

Georgia, USA

Application:

Solar Resource Monitoring



Summary:

NRG Systems delivered Flare Solar Resource Monitoring (SRM) Systems to one of NextEra Energy's largest solar facilities, spanning over 2,000 acres in Georgia. Designed for both array-mounted and stand-alone configurations, these flexible systems enable accurate, site-specific measurements across the expansive project footprint. This versatility ensures high-quality, bankable data to optimize output, detect inefficiencies, trigger real-time maintenance, and support long-term cleaning and preventative maintenance strategies. With energy from the facility feeding directly into Georgia Power's grid, reliable solar resource monitoring plays a critical role in delivering clean power to the local community and maximizing long-term project value.

Products/Services:

- Flare SRM System
- NRG LOGR-S Data Logger
- Hukseflux SR30-D1 Pyranometer
- Hukseflux SR05 Pyranometer
- Delta-T SPN1 Sunshine Pyranometer
- IMT Solar Si-TS485TC-T-MB
- NRG PVT1 Temperature Sensor
- Lufft WS200-UMB Smart Weather Sensor
- NRG T60 Temperature Sensor
- NRG RH5X Relative Humidity Sensor
- NRG BP65 Barometric Pressure Sensor
- Texas Electronics TR-525-W2 System Rain Gauge
- NRG Soiling Performance Kit
- Kisters HailSens IoT
- Design Service
- Turnkey Field Deployment Service
- Commissioning Service

Measured Parameters:

- Irradiance (GHI/POA/Diffuse)
- Albedo Gain
- PV Module Temperature
- Wind Speed, Wind Direction
- Ambient Temperature
- Relative Humidity
- Barometric Pressure
- Rainfall
- Soiling Losses

Project Capacity:

260 MW

NRG Systems®