



Mr. Slava Makarov
Project Engineer

Summary

Mr. Makarov has over 7 years' experience in analysis, conceptual design, modeling and performance evaluation of Photovoltaic (PV) systems. He is a lead investigator for Solar PV due diligence projects, specialties include Energy Yield Assessments and technical reviews of solar PV projects. Additionally, he is familiar with all of the commercially available PV solar technologies and has evaluated the application of these technologies for investors in solar PV projects.

Education

M.S. courses in Electrical Engineering - New York University (Polytechnic Institute)
B.S. in Electrical Engineering - New York University (Polytechnic Institute)

Experience

Sigma Energy Solutions Inc.

2007 - 2014

- Simulated photovoltaic system's performance using SAM, PVSYST and PVWatts software
- Conceptual Design, assessment and inspection of Solar PV power projects
- Designed electrical systems using AutoCAD
- Load Flow and Short Circuit studies using ETAP software
- Prepared IE Reports for Solar PV projects

Renewable Energy Projects:

- *Solar PV Ground Based Project in Colorado (19 MW)*
 - Drawings Review, Modeling and Simulation of System
- *Solar PV Ground Based Project in New York (31.5 MW)*
 - Drawings Review, Modeling and Simulation of System, Virtual Inspection
- *Solar PV Ground Based Project in North Carolina (Nine (9) Projects 5-7 MW)*
 - Drawings Review, Modeling and Simulation of System, Probability Analysis, Commissioning and Operation Review
- *Solar PV Ground Based Project in North Carolina (Four (4) Projects 6-7 MW)*
 - Drawings Review, Modeling and Simulation of System, Probability Analysis, Commissioning and Operation Review
- *Solar PV Ground Based Project in New York (2 MW)*

- Drawings Review, Modeling and Simulation of System, Probability Analysis, Commissioning and Operation Review
- *Solar PV Rooftop and Ground Based (Various projects 250 kW to 700 kW total)*
 - Drawings & Contracts Review, Site Inspection
- *Solar PV Rooftop and Ground Based (Various projects 300 kW to 1000 kW total)*
 - Drawings Review, Site Inspection
- *Solar PV Rooftop Projects in Colorado (13 Various projects 60 kW to 375 kW total)*
 - Drawings Review, Virtual Site Inspection
- *Solar PV Ground Based Projects in California and Texas (15 MW to 90 MW) -*
 - Layout Design, Modeling and Simulation of System
- *Wind Power project in New Foundland, Canada (13 MW)*
 - Drawings review, Site Inspection
- *Wind Power project in North-Central Oregon (845 MW)*
 - Drawings review, Losses Calculation