



PV Power Plant Serenissima, Italy

Country
Italy

Year of Mandate
2011

Year of Commissioning
2011

Key Technical Data
Total capacity: 48 MWp
PV technology: poly crystalline
Inverter manufacturer: KACO
new energy
Grid connection: 132 kV
substation

Technical Due Diligence, Construction Monitoring and Technical Controlling for a 48 MWp PV Power Plant

The objectives of the assignment were:

- Identification of technical risks and development of measures for limitation and mitigation of risks
- Assessment on the ability to complete project on time and on budget
- Assessment on technical performance level and ability to sustain it over entire economic life
- Management of technical acceptance including acceptance testing
- Technical controlling

The scope of work covered the following aspects:

- Determination of expected annual energy yield
- Review of licenses and permits
- Technical design review
- Review of grid connection
- Support in negotiation of project contracts
- Construction monitoring
- Verification of production numbers
- Regular inspections of power plant (semi-annual)
- Consultancy in repair and budget questions
- Assistance in warranty and insurance claims
- Support in operational and economical improvements
- Regular reporting to owners / banks

