

# 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

