

# PV Power Plant Gamma, Romania

**Country**  
Romania

**Year of Mandate**  
2014

**Year of Commissioning**  
2013

**Key Technical Data**  
Total capacity: 50 MWp  
PV technology: poly crystalline  
Inverter manufacturer: SMA  
Solar Technology  
Grid connection: 110 kV  
substation incl. 8 MVA reactive  
power compensation

## Technical Due Diligence and Technical Controlling for a 50 MWp PV Power Plant

**The objectives of the assignment were:**

- Identification of technical risks and development of measures for limitation and mitigation of risks
- 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 (annually)
- Consultancy in repair and budget questions
- Assistance in warranty and insurance claims
- Support in operational and economical improvements
- Regular reporting to owners / banks