



Ramming system, partly strengthened with concrete plug.



**kommt besseres  
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The solar park is monitored using remote data transmission methods and monitoring software which offers a high level of internet support.



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Electrical design in the solar park: 25,938 solar modules laid out in 1,179 strings. 9 outdoor inverter stations and MV-transformers. Each has a transformer station.



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**solar park Guiglia**  
**6.16 MWp**



## Profile of the solar park Guiglia

### Basic data

Size of area:	200,000 square meters (solar field)
Location:	Italy, near Modena
Installed capacity:	6.16 MWp (nominal, DC)
Electrical design:	9 outdoor inverters, 81 string-monitors
PV modules:	25,938 PV modules in 1,179 strings (235 - 240 Wp each, Si, polycrystalline)
Global Solar Irradiation:	1,257 kWh / m <sup>2</sup> / year (in horizontal plane)
Specific yield:	approx. 1,228 kWh / kWp p.a. ("normal" year)
Performance Ratio:	approx. 83.5 %
Energy yield:	approx. 7,572 MWh per year (first full year)

### Ecological profile

CO <sub>2</sub> savings	approx. 4,554 t per year
Clean energy for	6,310 citizens (approx. 1,200 kWh per year / citizen energy consumption)



Photo was taken during construction phase.