

SUCCESS STORY

ARENA PERNAMBUCO

Recife, Brazil

**INSTALLATION**

Project	São Lourenço de Mata Solar Power Plant
Partners	Grupo Neoenergia, Odebrecht Energia
Location	Sao Lourenço de Mata, suburb of Recife
Size	1 MW
Module Type	PANDA 60 Cell Series
Connected	December 2013
Installers	Gehrlicher Solar
Mounting Type	Ground-mount

TECHNICAL SPECIFICATIONS

Annual Generation	1,500 MWh
Percentage of Stadium Power Offset	30
Number of Modules	3,650
Number of Brazilians' Electricity Consumption Saved:	6,000

BRINGING SOLAR ENERGY TO THE STATE OF PERNAMBUCO AND FOOTBALL FANS FOR THE FIRST TIME

Home to the site of five 2014 FIFA World Cup™ matches, Arena Pernambuco is a brand-new football stadium that also boasts the first solar power plant for the Brazilian State of Pernambuco. Yingli partnered with Grupo Neoenergia, one of Brazil's largest energy companies and solar pioneers, to help realize the 1 megawatt, ground-mounted solar installation. The project contains more than 3,650 Yingli PANDA Series panels, and is estimated to generate more than 1,500 MWh of electricity annually, which will fulfill 30 percent of the stadium's power requirements on match days. That is equivalent to meeting approximately 6,000 Brazilians' annual electricity needs. When the stadium is not in use, the clean power will be delivered to the local community's electricity grid through Brazil's net energy metering program. The project is yet another way that Yingli is helping to create the greenest FIFA World Cup in history, joining other prominent stadiums with solar power, including the iconic Maracanã Stadium in Rio de Janeiro.

Yingli Solar is committed to helping make the 2014 FIFA World Cup in Brazil the greenest football tournament in history.

“Large-scale solar projects like this one are contributing to increasing the positive impact of the FIFA World Cup on society and the environment. We are grateful to Yingli and their local partners for helping us leave a lasting legacy in Brazil.”

– Joseph F. Blatter, President of FIFA



Reverse: Aerial view of 1 MW solar plant in Arena Pernambuco.

Above: Yingli's high-efficiency PANDA Series panels are ground-mounted directly outside the stadium.

All photos courtesy of Grupo Neoenergia.

DETAILS ABOUT THE STADIUM

- Opened in April 2013, the Arena Pernambuco is a brand-new stadium erected in São Lourenço de Mata, a suburb of Recife.
- The solar power installation is located on 15,000 square meters of land adjacent to the stadium's parking lots.
- Visitors will be able to learn more and track the system's performance at an on-site Visitor's Center designed to foster solar energy education.
- Sophisticated solar generation and weather monitoring stations were added into the project design to support future solar energy research and development.