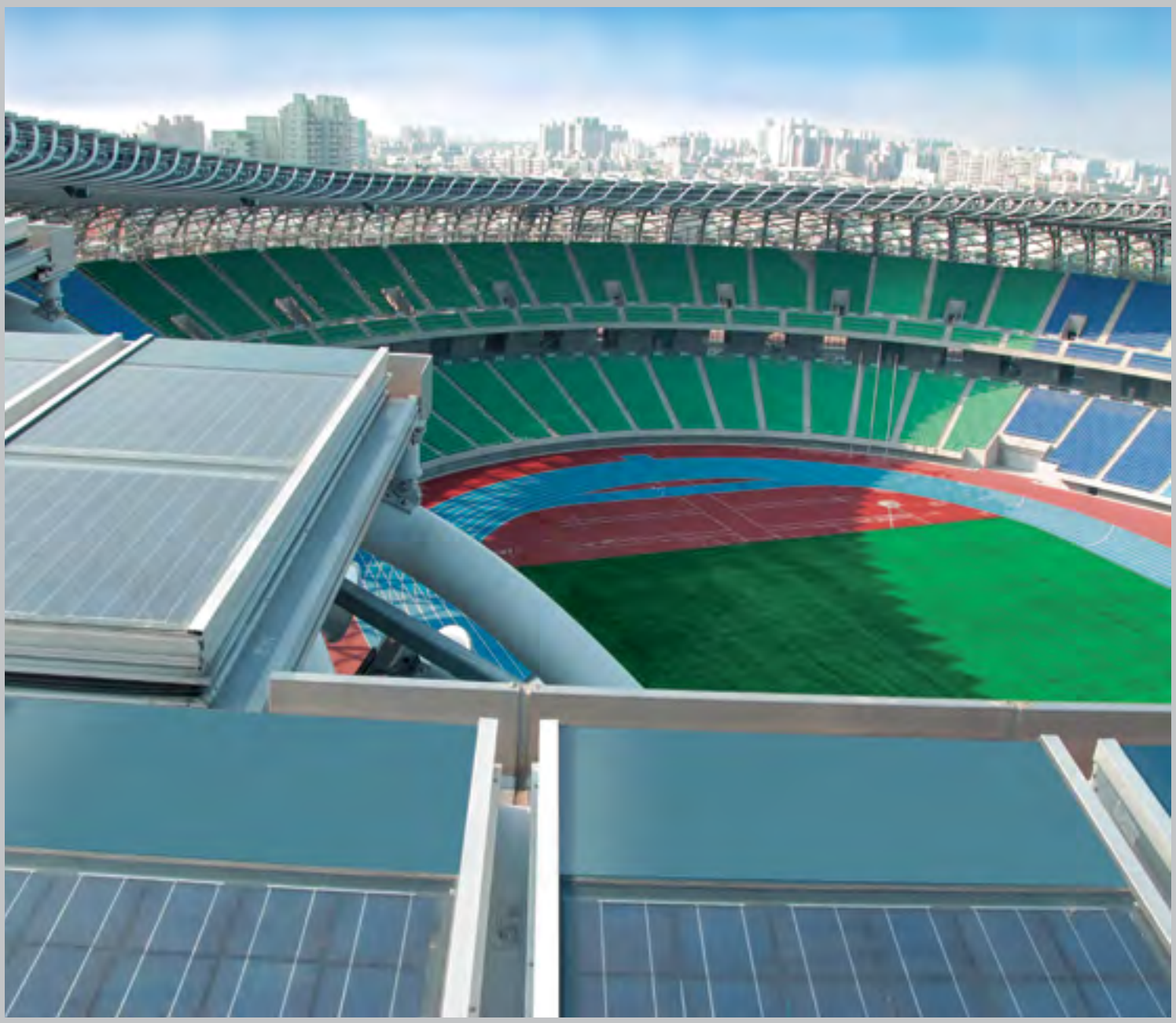

SIKA AT WORK
MAIN STADIUM WORLD GAMES 2009, TAIWAN

BIPV MODULE BONDING APPLICATION WITH Sikasil® SG-500

BUILDING TRUST

MAIN STADIUM WORLD GAMES 2009, TAIWAN

PROJECT DESCRIPTION

This project is unique by the design of the construction and the short project timeline. With the curved beam structure, which is covered with net-like spiral steel tubes, a completely irregular structural framework has been created. Therefore the PV surface is divided into 6,482 frame units with the same widths but different lengths. For the light transfer tailor-made translucent c-Si photovoltaic modules were chosen, which had been developed and certified within only 13 months. For strengthening the modules and the construction a 6 mm transparent tempered glass was used on the back and a 6 mm high-transparency tempered glass on top. Providing the optimum power output in the different angles a total of 8,844 BIPV modules with either 30 or 36 cells were directly bonded to the aluminium frame units with Sikasil® SG-500 to ensure a structural though flexible bond. At the moment this is the largest stadium in the world with an Integrated PV system.

SIKA SOLUTION

Sikasil® SG-500

PROJECT PARTICIPANTS

Project name:	The Main Stadium for the World Games 2009
Location:	Kaohsiung, Taiwan
Power output:	1.1 MWp
Owning company:	National Council on Physical Fitness and Sports (NCPFS), Executive Yuan / Bureau of Public Works City of Kaohsiung
Design and architecture:	Toyo Ito & Associates et al.
PV-Roof construction:	San Unity Co., Ltd.
Start of operation:	January 2009

FIND MORE SIKA REFERENCES

www.sika.com/solar-references

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