

Shanghai World Expo News

LOF SOLAR High Efficiency PV System to Colorize the China Pavilion 2010



The China Pavilion's concept is to reconstruct the beauty of Yuanmingyuan, once the most gorgeous palace in the world.

The World Expo 2010 has installed three color solar panels : TILE RED, MEADOW GREEN, and LAKE CYAN, provided by LOF SOLAR.

In this 250 kw PV project, our color cells coordinate with the red pavilion, green meadow, and the bluish-green pond in the courtyard.

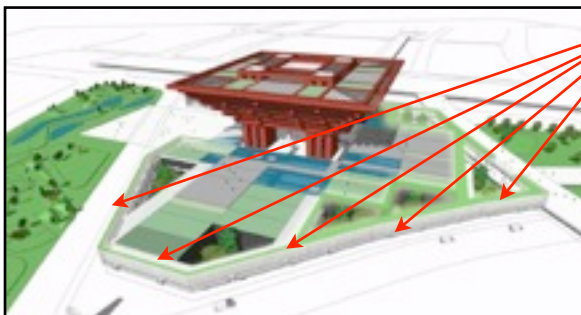
The color harmonizes with the China Pavilion's concept - showing the world China's goodwill in global environment.

About World Expo 2010

The world's largest fair - World Expo, will be held in Shanghai next year. Over 200 countries and national organizations will participate, and more than 70 million visitors are expected to attend. Among all the magnificent exhibitions, there is the 「 Crown of The East 」 - China Pavilion.

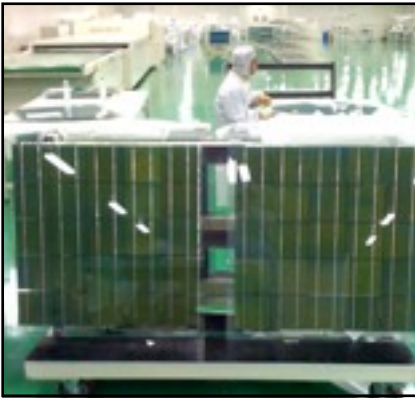


ARCHITECTURAL - INTEGRATED PHOTO VOLTAIC (AIPV)



Creatively designed by LOF SOLAR's partner architecture firm- Facade Design & Development (Vancouver, DC), the color panels are installed on top of the outer wall's edge, next to the official pedestrian circulation, making LOF SOLAR's color panels a must-see for all visitors to the China Pavilion.

FROM PRODUCTION TO INSTALLATION



The module production is under LOF's most severe QA and QC criteria. Considering the impact of the uniformity of color and efficiency of each cell in single module, to build an SOP of making a qualified product became extremely complex.



Meadow green, tile red, lake cyan color panels to be installed on the Expo site in the mosaic pattern.

LOF has completed the installation of this 250kw color PV system in Feb. 2010. The power generated by our system is supplied to the China Pavillion's basement lighting and utility.



This thrilling scene is at 10 meters high above the ground floor, where we connect the panels. Our color panels demonstrate superior mechanical strength, as designed, to support the loads of crew and equipment – a must for installation, for future service and maintenance.

LOF SOLAR COLOR BIPV

High Efficiency LOF C-Cell in TILE RED

70000 pieces of LOF SOLAR C-Cell are used in the world expo project

Tempered glass for superior mechanical strength

Double glass lamination with EVA

2800 pieces of LOF SOLAR Color Panels are used in this project



ABOUT LOF SOLAR CORP.

LOF SOLAR has developed the first ever high efficiency color solar cell in the world, which's conversion efficiency is 30% higher than the competitor's products.