

The Beauty of Architecture, Shaping the STSP



Construction Completion Ceremony of the HCPV Power Generation Demo Site in Luzhu
(December 22, 2009)

A Green Science Park

STSP, the Pioneer in Green Energy
Promoting Green Building Practices

The STSP Administration conducted four seminars on green building promotion for Park enterprises, NNKIEH, and local residents. From March to April 2009, the green tours (by bike) to diamond-rated enterprises with green buildings including the TSMC and Delta were organized. In addition, on December 22, an evaluation meeting for "Green Science Park and green factory plant" was convened to address current green building trends, practices, and the future prospects of a Green Science Park. In 2010, the green building issue will be continued with inviting scholars to organize relevant meetings.



Energetic Biking Tour to the Green Science Park (March 4, 2009)



Director-general of the STSP Administration, Mr. Chen Chunwei on a Manually Powered Bike (September 21, 2009)



2009 STSP Exhibition Hall in the Photonics Festival in Taipei (July 23, 2009)

The World's Second Largest HCPV Power Generation Demo Site in Luzhu

The HCPV Power Generation Demo Site in Luzhu was begun on December 22, 2009. It is the largest in Asia and the world's second largest (next to one in Spain). It occupies two hectares with the installation of 141 light diffusing brackets, 8,040 sets of modules, and total power capacity of one million watts. Each year, 1.1 million units of electricity can be generated to reduce the emission of carbon dioxide by seven million tons. After installation, it had the potential to facilitate the building of an HCPV industrial cluster at Kaohsiung Science Park. Taipower is planning to set up a solar power plant with the capacity of 4.5 million watts at Yong'an Township and Kaohsiung County is expected to be the headquarters of the green energy movement.

Optoelectronics Exhibition, the Largest Green Energy Cluster in the STSP

The STSP Administration invited Gloria Solar, Chi Mei Energy, Kenmos PV, AURIA Solar, King EnerTech System, and Delta to participate in the STSP Optoelectronics and Solar Exhibition at the Photonics Festival in Taipei from June 10 to 12, 2009. The innovative and clear theme attracted many visitors.

Introduction to Green Technology and Environmentally Friendly Energy

To promote public awareness on the importance of green technology and environmentally friendly energy, "A Green Science Park—Scientific Exhibition of Energy" was held from September 21 to 25 in 2009 at the Lobby of the Administration Building. Director-general Mr. Chen Chunwei attended, in person, for the launch of a manually powered bike. In the science exhibition, both the large and small scaled exhibition areas and the film presentation area were designed to utilize the exhibition model and function in order to provide the best teaching medium for local and school education.

Carbon Reduction Efforts Led by the STSP Administration

To implement the governmental policy on energy saving and carbon emission reduction, the STSP Administration used subsidies received from the Ministry of the Interior totaling NT\$3.5 million to conduct the "2009 Building Energy Efficiency and Air Conditioning System Improvement Project at the Administration Building." The whole project was completed on August 23, 2009 and by the end of 2009, the lights in the parking lot of the Administration Building were changed into T5 energy saving light tubes. The total electricity used in 2009 was about 2,475,800 watt hours, 1,099,886 watt hours less than the previous year thus saving NT\$734,929.