



Beauty of Architecture, Shaping the STSP

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A Sustainable Green Science Park

Building of the Sustainable Green Science Park

"Sustainable Environment – Green Park Initiation Team" was established in May, 2009 with the aim of actively developing low carbon emission strategies and constructing a sustainable Green Science Park. Tasks in 2010 included four projects to develop the STSP into the first and only Science Park in Taiwan to complete an environmental white paper and be certified with the most dense Green Buildings (Diamond Level Labeling), as well as to have the largest number of applying regenerated energy resource projects (solar powered system).

Green Industry

The STSP Administration introduced 17 integrated solar cell and LED green energy enterprises as well as accreditation institutes (HCPV Qualification & Development Center of INER, Photovoltaic Modules Certification Lab of Telecom Technology Center, and MIRDC).

Free Shuttle Bus

Free shuttle bus services were launched on January 28 at the Tainan Science Park, NNKIEH students and dormitory commuters were the main users in the initial stage. After the formal operation of the Nanke Station of Taiwan Railways on July 14, 2010, seamless transportation services are now being provided to connect the public railway and highway transportation system allowing convenient access to Park enterprises, four shopping districts and public parking lots. In total, 89 bus tours are provided daily with the number of riders served till the end of December, 2010, reaching almost 100, 000, equals to the reduction of 210 tons of carbon emission. Moreover, the biking network has also been improved recently

Green Building

By the end of 2010, there were three Diamond Level Green Building Labeling buildings at the Park, including the Senior High Department building of NNKIEH, enabling the STSP to possess the highest density of green buildings among Science Parks in Taiwan.

Green building consultation, EEWH-EC (Eco-Community) diamond Level accreditation, the plantation of 7,200 trees, and the replacement of traditional street lamps with LED ones (about 300 lamps along six lanes) were implemented.

Green Production

Green production was promoted through the accreditation of carbon footprints of the Environmental Protection Center and Resource Recycling Center at Tainan Science Park and TMAH certification granted to the Test Lab of Wastewater Treatment Plant at Kaohsiung Science Park, and the award for the "2010 Sustainable Report of Taiwanese Enterprises" as well as the provision of greenhouse gas emission diagnosis and check consultation services, green factory certification, and the clean production of Park enterprises.



▼ "Diamond Level Green Building Labeling" Building at the NNKIEH



▼ Ribbon Cutting at the Operational Commencement Ceremony of the Nanke Station, Taiwan Railways (July 14, 2010)