



▲The 4th elevated water tank at the west entrance of TSP is an impressive landmark.

## New Construction

### Synchronous Development and Safety

#### The 4th Elevated Water Tank and Distribution Reservoir at the West Entrance of TSP Completed

The construction of the 4th 3,000-ton elevated water tank and distribution reservoir was completed in August 2008. The water tank supplies water to tenant enterprises in the Phase II Site of TSP. The design separates the water tank from the reservoir, and both designs balance negative space with the visual effect produced by the multi-directional footbridge. This land bridge connects the green parks for pedestrians and bikers. The pleated-sheet design of the water tank stands to impress at the Park's west entrance; the landmark visually represents water and wealth, as in "Yuanbao."

#### Transportation Infrastructure on the Northwest Quadrant of the Phase II Site of TSP Completed and in Service

Construction initiatives, completed and ready for service from September 22, 2008, in the first and second zones of the Phase II Site on the northwest quadrant of TSP include the site's transportation system, waterworks (including public pipelines of drainage, sewage, and water supply), telecommunications, and power supply. Commuting in the Phase II Site of TSP has never been more convenient for our tenant enterprises.

#### Expressway Interchange in KSP Connecting to National Highway No.1 Completed and in Service

The construction of the 4-kilometer expressway interchange connects KSP to National Highway No.1 includes two phases – road and overpass. Each phase



▲The transportation infrastructure in the Phase II Site on the northwest quadrant of TSP has become more convenient upon the completion of the construction.



▲The aerial view of the expressway interchange of KSP connecting to National Highway No.1

was commissioned with separate proposals and construction began simultaneously on May 5, 2005. The second phase was completed in April 2008 while the other followed immediately after in May 2008. With the completion of both phases, the interchange began service in March 2009. The first phase of the construction project was awarded with the 8th Annual Public Construction Golden Quality Award in 2007 – Award of Excellence for Construction Quality, Civil Engineering Category, Class I Engineering.

The completed transportation network provides convenient transportation service in response to the massive passenger and cargo transportation demand, alleviates traffic jams on the expressway, controls the timing of high-tech imports/exports in and out of Kaohsiung International Airport, and is a crucial element in the newly improved comprehensive transportation infrastructure.



▲ The fire brigade building in TSP fosters the safety of the Park.

### Construction of the STSP's Fire Brigade & Squad Completed

To satisfy fire safety needs, the STSP has its own fire brigade building. One underground floor and four above-ground stories are built with reinforced concrete in TSP. Construction was completed in February 2008 to accommodate fire fighters to stand by 24/7 to ensure the Park's fire safety.

### Construction for Aeration Tank Cover of the Waste Water Treatment Plant in Phase I Site of TSP

The aeration tank cover of the Waste Water Treatment Plant in the Phase I Site



▲ The construction completed for aeration tank cover of the Waste Water Treatment Plant.

of TSP prevents odor diffusion in the waste gas treatment process. Construction was completed and the tank cover examined and approved for use on May 25, 2008. The steel shelves for waste gas treatment in the two aeration tanks are covered in metal covers. Indoor ventilation is controlled with a ventilator and its emission must be treated with the activated carbon air disinfection equipment. This process eliminates over 90% of TVOCs (total volatile organic compounds).

## Diversified Activity

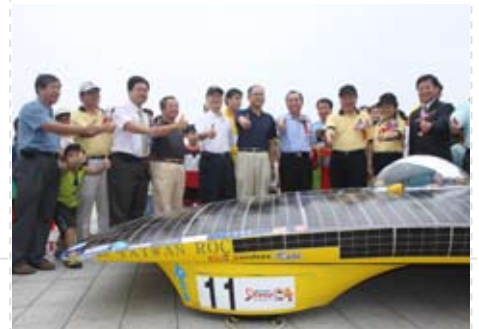
### Demonstrating the STSP's Energy

#### Taiwan Cultural Events for the Expatriates

The STSP Administration arranged Taiwan indigenous culture tour and KSP tour on June 21, 2008 to help Japanese enterprises understand Taiwanese culture. Other culture tours included visits to the Sun Moon Lake and Sun Moon Tea Factory on November 15, 2008. These events were to assist Japanese staff with culture exchange, and to attract foreign investors to the STSP.

### 2008 STSP's Solar-powered Model Car Family Camp

The "2008 STSP's Solar-powered Model Car Family Camp" was held at the STSP's Central Plaza on December 8, 2008. In addition to the well-liked building your own solar-powered model car activity, National Science & Technology Museum was invited to design the getting to know energy saving contest to help kids and parents understand green energies. Mr. Vincent C. Siew, the Vice President of Taiwan, sent his congratulations regarding the event and expected the organizer to "propagandize the use of sustainable energy" and set up a benchmarking image for the development of the STSP and solar optoelectronics industry cluster.



▲ Unique solar-powered model car was displayed at the "2008 STSP's Solar-powered Model Car Family Camp."



▲ Japanese friends toured the Sun Moon Lake to appreciate Taiwan's nature beauty.



▲ The Taiwan indigenous culture tour with Japanese friends



▲ Concert at the Christmas Party

## Friendly and Joyful Community

The STSP Administration had hosted numerous activities in 2008 and provided a friendly atmosphere for our community. The 5th Anniversary & Annual Good Neighbor Activity on January 19, 2008, the 2008 STSP's Job Fair & Employee of the Year Ceremony on May 3, 6 KSP Art & Literature Symposiums on May 14 ~ June 18, the "Help Wanted! High-pay Job for You" Job Fair in Kaohsiung County on June 17, the 9th STSP Cup Community Ball Game & Fun Contest in July ~ October, the 2008 STSP Road Run & Family Day on September 6, KSP outdoor theater activity on October 3, the ball game closing ceremony on October 18, the 2008 Kaohsiung County Joint Career Fair on November 26, TSP Christmas Party on December 19, KSP Christmas Party on December 24, and 24 movies played in TSP have provided local residents and Park staff with pleasant and memorable experiences.

## Occupational Safety & Hazards Prevention

### Continual Efforts

### GIS for Expert Supporting System of Emergency Response Decision-making Reinforcing Hazards Mitigation Response

For implementing and digitizing anti-disaster relief and emergency management systems, the STSP Administration began the development of the expert emergency response decision-making support system in 2005. In 2008, this support system was integrated into the geographical information systems (GIS) to improve system functionality and provide relevant environment information when disaster occurs. Under the circumstances, the rescue team director will have sufficient hazards mitigation and rescue information in the event of an emergency.

The system was used to delegate the rescue team effectively during the gas leakage incident by one of the Park's telecommunications enterprise. The gas leakage promptly controlled, and avoiding any injury or death. The incident demonstrated the STSP's capacity to successfully respond to emergency.



▲ The STSP's toxic disaster drill was highly praised by the drill observers.



▲ Enjoying the turkey meal at the Christmas Party in TSP

### Junior Fire Fighters

The STSP Fire Squad of the 3rd Corps, Tainan County Fire Fighting Bureau hosted the “2008 National Nanke International Experimental High School – Junior Fire Fighters Passport” event on April 22, 2008 to educate local youth about fire fighting, hazards mitigation, and household emergency rescue skills and concepts. The event will help them protect themselves from danger.

### Occupational Safety & Environmental Protection Month Activities

The STSP Administration arranged Occupational Safety & Environmental Protection Month Activities on September 6-25, 2008 in accordance with the STSP’s excellent tradition and culture of occupational safety and environmental protection. The activities provided a forum



▲ The fire fighters were educating students on how to put out a fire during the “2008 National Nanke International Experimental High School – Junior Fire Fighters Passport” event.

for the exchange in experiences and knowledge on occupational safety and environmental protection; it also created safe and sustainable environmental protection efforts to the business environment.

### Environmental Protection Center’s Environment Analysis and Test Certified

The Environmental Analysis Laboratory of the STSP’s Environmental Protection Center (Waste Water Treatment Plant) in TSP was certified by the Environmental Analysis Laboratory, EPA in 2002. It was reevaluated by the EPA in April 2008 for the extension permit of water quality test and 7 heavy metal water quality tests. 15 certificates were received in total including water temperature, conductivity, suspended solids, dissolved oxygen, hydrogen pH, biochemical oxygen demand, chemical oxygen demand, fluoride, cadmium, iron, nickel, manganese, copper, zinc, and chromium test. The STSP’s waste water treatment capability has dramatically improved.



▲ The Beauty of the STSP-students’ art contest during the Occupational Safety & Environmental Protection Month



▲ Water analysis and test of the Environmental Protection Center

### Occupational Health and Safety Results

The 7th Symposium of the International Occupational Hygiene Association was held in Taiwan on February 18-22, 2008 and with the participation of over 500 occupational hygiene specialists from 38 countries to discuss the subject of Occupational Hygiene in High Tech Industry. The STSP Administration was the only Science Park invited for its outstanding achievement in occupational hygiene and had demonstrated the process from the Park enterprise’s “investment review” to the “post mass production” hygiene management including the Park enterprises’ effort to enhance occupational hygiene.

The STSP Administration had received the Excellence Award from the Council of Labor Affairs, Executive Yuan at the “2008 National Occupation Safety and Health Week” event on November 28, 2008 and it was the top honor received for promoting occupational health and safety.

## Congratulations! Received the “Clean up Taiwan Campaign” Excellence Award



For the second consecutive year, the STSP Administration received the Excellence Award from the EPA at the “2008 Clean up Taiwan Campaign” (2007Q3 ~ 2008Q2) on October 30, 2008. In addition to continuing the autonomous sustainable environmental cleaning task begun in 2007, the STSP Administration promoted green consumption, biking LOHAS, garbage reduction and waste recycling in 2008. It also planned High Speed Rail green zones and green land beautification in hope to brighten and rejuvenate our neighborhood.