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STARTING FUTURISTIC PARKS

6.1 About Far Eastern Resources Development Co., Ltd.

In response to change of industrial structure in Taiwan and to reuse land resources for better investment performance, Far Eastern New Century established Far Eastern Resources Development Co., Ltd (hereinafter referred to as "FERD") in 2003 for developing, leasing selling and managing its 66 hectares land island wide. During this report period, there is no major change in organization, structure, ownership and supply chain for FERD.

Besides abiding by laws and regulations, we have incorporated CSR into our core principles of governance. Developmental impacts to economics, society and environment are taken into consideration. Through constant communication with stakeholders via various channels, we transform challenges to opportunities for our mutual goal of sustainability.

The total employees of FERD in 2015 is 28, with 14 males and 14 females, all are permanent employees. It paid NT\$18.526 million property tax and NT\$271.249 million land tax to the government in 2105.

Far Eastern Resources Development Co., Ltd is a subsidiary of FENC, therefore, all of its administrative

policy, internal control, responses to risk etc. are in reference to those of its mother company and is explained in detail in the chapter of use the stablishing Strong Governance. The risks and responses of land development by FERD are as follows:

Risks and Responses of Land Development

Risks	Responses
Government approval required for land	Strengthen friendly communication with government
development	Comprehensive review on economics, society, internal and external costs for best scheme
	Convene local community meetings at early stage of the project
Local protests on the project or construction during developing periods	 During construction, questions and doubts on the project are handled by specified staff with fixed phone line
	 Pay regular visits to local opinion leaders and community chief to build in-time and friendly communication channels
Deligy changes during development	Actively participate in regulation related conferences
Policy changes during development	Designate staff for regulation trends and knowledge and provide analysis for decision reference
Possible negative impacts to environment	Conduct Environmental Impact Assessment by third party before development
and ecology during development	Implement environmental protection measure during construction
	Adopt torrential rain management system at the onset of the planning
Climate change and extended dry season	Reserve rainwater utilization system at the construction base
	Propaganda on reaction plan before typhoon season
increase in hits of typhoon	Organize reaction team for typhoon drills and prevention measures
Enhance concept of tree protection	 Organize arboriculture team and invite experts and consultants to conduct health check on trees on the land to be developed
	Provide lesson on arboriculture to administrative and engineering staff

6.1.1 Major Development Projects

Far Eastern Resources Development Co., Ltd is currently dedicated to development of Taipei Far Eastern Telecom Park located in New Taipei City and Spa Resort located in Chiaohsi, Yilan. In response to SDGs by UN, we provide a comfortable and safe space for planning a green, energy saving, intelligent and sustainable park.

Taipei Far Eastern Telecom Park (Tpark for short) is the first non-government initiated telecomm park development. It consists of 5 industry platforms : telecommunication, digital content, cloud computing, green energy and intelligent technology.



Spa Resort in Yilan has acquired development permit. There will be hot spring resort, shopping mall and restaurant with view in the resort. Operation is set in 2018.

Responsible Construction Management

Far Eastern Resources Development Co., Ltd is a responsible company in that it not only abides by all related regulations and laws but also communicates with local stakeholders to reduce pollution during land development. It continues to monitor environment quality after construction and values human health and environment protection and take them as core principles during the operation period. In the construction period of 2015, no violation of regulations was reported.

There is no major construction in Taipei Far Eastern Telecom Park; transplanting of trees and demolishing of existing buildings started in Yilan in 2015. There is desilting basin at the construction site, maintenance record of which is kept for 3 years, so are the maintenance records of facilities for rain blocking, rain shielding and rain drainage.



Applied " Plan to reduce water pollution at construction site " and strictly implemented to ensure polluted water from exiting from construction site.

- · Installed boards with phone numbers for local residents to address inquiries; designated staff to answer inquiries.
- Request contractors to use low noise equipment and vehicles and maintain them regularly. To avoid air pollution by use of unqualified fuel, only fuel from China Petroleum or Formosa Petroleum is allowed for vehicles. Steel plates are used on the ground on vehicle route at construction site to reduce dust. There are also vehicle cleaning platforms; vehicles will leave the construction site only after their tires are cleaned to avoid dust and mud on the road.
- Choose qualified firms in the vicinity of construction site to handle earth and stone to reduce transportation distance. For construction vehicles, avoid transportation during rush hours; check road surface regularly and amend it when damages found.
- Sample and monitor air quality monthly. Dust proof net or fence is used to reduce dust in the air. Restrict dust in the construction site and sprinkle water by vehicles or employees to prevent dust floating in the air.



Before Construction

Long term monitor on quality of environment

 We conduct monitor of various kinds monthly on our projects of Taipei Far Eastern Telecom Park and Spa Resort in Yilan to sample and analyze surrounding environment. Items monitored include air quality, noise and vibration, construction noise, effluent quality and traffic volume etc. The monitor standards meet those released by EPA.

Measures on Reduction of Construction Wastewater Runoff in 2015

Items	Measures to Reduce Pollution	Maintenance Frequency
Rain Shielding Facility	Cover the dug-up site by canvas to prevent rainwater from flushing out the ground	Twice a month
Rain Blocking Facility	Pileup of sandbags to stop rainwater from flushing out the dug-up site	Twice a month
Rain Drainage Facility	Gutter	Once a month

We take it seriously on how to dispose waste from construction demolishment. Complying with related regulation, waste is transported to legal and local treatment plant with planned route to minimize carbon emission. To increase the value derived from waste recycling, crushing method is used for demolition which ensures safety, environmental protection and resource recycle principle. The demolition project of Spa Resort in Yilan only started from December, 2015 and the waste disposal took place in January, 2016, as a result no waste disposal related work took place in 2015.

6.1.2 Management on Construction Contractors

Far Eastern Resources Development Co., Ltd abides by related regulations of construction and vocational safety and health concerning contractor management. There is no hiring of underage labors or illegal foreign labors and no discrimination of labors. Contractors are required to submit disaster prevention plan during construction period and to purchase all risk insurance policy (including financial loss from construction, casualty insurance, and third party liability insurance), safety and health related expense is listed in the contract. The contractor will assign staff to the construction site to take charge of worker safety and health. Contractors are asked to form labor safety negotiation organization and meet regularly to promote and provide training on work safety.

Phase One of Taipei Far Eastern Telecom Park opened in 2010 with the phase two set to start construction in the near future. Yilan Spa Resort started tree transplanting by contractor's 28 workers, five of them female, in July 2015. Demolishing work began in December 2015, by 33 male workers of the contractor. As there might be accidents resulted from falling, electrification, falling object, being hit and mobile cranes, besides protection measures as required by regulations, there is a ten-minute instruction on prevention of danger every day before work for the 33 workers to ensure that they are fully aware of safety rules and usage of protection equipment. Furthermore, we value management of dangerous occurrences and encourage notification to review and improve on work safety. There is no dangerous occurrences, occupational injuries, occupational disease, absence of work and lost day reported in 2015.



Information on Contractor Employees in 2015



Note : • Only contractors for projects of Far Eastern Resources Development Co., Ltd are included.

- · Temporary employees are part time employees.
- · 5 female employees are permanent employees.

6.2 Taipei Far Eastern Telecom Park (Tpark)

Tpark is the first privately designed and developed telecommunication scientific park in Taiwan. Its high-speed Ethernet and optical fiber backbone was established by Far EasTone Telecommunications. Introducing intelligent lifestyle and innovation application testing, Tpark serves to assist the growth of telecommunication industry both domestically and internationally. It is the technology platform for Taiwan's telecommunication and digital industry.

The development team thinks highly of environmental sustainability. Through innovation, research and development, advanced eco-city technology was introduced. At the beginning stage of development, a wind tunnel stimulation on the designed architecture and a wind corridor system based on the stimulation result were conducted to improve the micro climate environment of Tpark. The architecture design of Tpark follows principles of EEWH Taiwan Green Building, Taiwan Intelligent Building and the U.S. LEED and has become a model of Taiwan's green park.

Tpark Introduces Industry Orientation



▶ Tpark's Sustainable Development Goals and Execution Plans for Short-, Mid- and Long-terms

	Sustainable Development Goals	Sustainable Execution P	Plans
Short-term	Construct a green and brand new metropolitan space	 Infrastructure on ecology and energy saving Optical Network and application of technological life 	 Maintain biodiversity Designing of comfortable space
Mid-term	Integrate the innovation ability of Taiwan's information industry for an intelligent community life	 Construct green and intelligent buildings and residence Construct a safe and energy saving intelligent management Integration of technology application development in office and residence 	t system e, school, hospital, shopping center
Long-term	Become innovation platform for Taiwan's information and communication industry, breeding economic prosperity for next century	 Practice space for intelligent living technology Finish intelligent technology industry settlement Become technology research center 	

Tpark Development Allocation



The area for Tpark is 24 hectares. Phase one is complete with convenient living function. Besides industry section, it is surrounded by the General Library of New Taipei City, hospital, school, shopping center and residential housing. After phase one, the north park is set to start construction in first season in 2016, followed by new HQ of Far Eastone, IDC Building and 2nd R&D building. There is currently TPKA building for leasing, with total floor area of 62 thousand square meters. The area available for leasing is 50 thousand square meters. The leasing rate is 46% in 2015.

STARTING FUTURISTIC PARKS

6.2.1 Intelligent Park

Tpark's development is based on sustainability and intelligent living. It has set up a smart city promotion strategic project team under General Manager Office to develop and introduce the latest technology application which allows Tpark to become an international intelligent green campus.

Funds for R&D and Innovation

 2014
 399

 2015
 1,625

Note : In 2015, development and innovation expenses include mobile security upgrade, plate recognition system upgrade, implementing AR for mobile guide etc.





Recognition

- Tpark received invitation from New Taipei City Government for two consecutive years to serve as a visiting site for Intelligent Community Forum (ICF) as part of the reviewing process of global intelligent community by demonstrating the green environment and intelligent technology application of Tpark.
- Tpark was invited by New Taipei City Government to join in the 2015 Intelligent Community Forum Annual Summit. A video introduction of Tpark was played to participants from 200 countries around the world.
- Tpark was invited by cross-strait forum on the information industries and technology standards to include our green environment and intelligent technology in Cloud Computing Industry Application Case.

2015 External Training Regarding Intelligent Campus

Course	Goal	Number of Attendant	Hours per Person	Department of Attendant
2015 Energy Resource Design and Development of Intelligent Building on BIM	Strengthen knowledge and awareness of technology integration of construction administrative staff	2	30	Staff from Electromechanical and Engineering Department

6.2.2 Green Campus

Enjoy New Urban Life of Eco Green

Besides R&D needs for telecommunication industry, the core value for the development of Tpark is environment and ecology. It is design with Atelier Dreseitl of Germany to construct a green environment and a comprehensive water recycle system.

Tpark was designed to achieve 49% green coverage with central park, street trees, green roofs etc. These facilities can produce oxygen during photosynthesis and absorb carbon dioxide to purity air quality and mitigate global warming.

CO₂ Fixed CO₂ Volume Before Development 418 ton/year → After Development 587 ton/year → 40% ↑

Carbon Fixation and Oxygen Release Before and After Development of Tpark



Note : The numbers from this graph is from the planting scheme in 2009, the large scale planting in central park is not taken into calculation.

Carbon Fixation Before and After Increasing Planting for TPKA



Note : Calculation is based on green index of green building.

🕑 Tpark LEED Campus Project



LEED (Leadership in Energy and Environmental Design) is an international evaluation technique which is used to encourage the development and implementation of building sustainability. In Taiwan, many buildings have applied for LEED certification. To ensure the entire Tpark project is developed under the principle of sustainability and low carbon emission, Tpark applied for LEED Campus Project and was approved in 2015. In the future, all development, design, construction and operation will follow the green campus framework to undertake building sustainability in long term.

, TPKA Building's EEWH Green Building Certification



TPKA building is currently in completion. In order to maintain an environmentally sustainable and healthy building and to reduce waste, TPKA hired professionals to provide evaluation and recommendation on TPKA building and applied for Green Building Certificate as a renovated building from Ministry of the Interior. TPKA was certified as green building in February, 2016 and officially became an environmentally friendly, energy efficient, waste reducing and healthy building.

The design of future buildings of Tpark will comply with Silver Level Green Building regulation to fulfill our purpose of green campus.

Risk and Opportunity of Climate Change

	As	pect	Response
Risks	Frequent Typhoon Tpark		 Trim all decaying or fragile tree branches before typhoon to prevent fallen trees from hurting people during typhoon Monitor water level of eco pond for in taking rainfall from typhoon Establish full drainage system to avoid flooding Set up an area to collect fallen leaves for compost after typhoon
		Lack of Water Resources	 Tpark adopts infiltration pavement to strengthen its ability to keep water underground. The infiltration trench helps to reduce surface water runoff and provide irrigation function for the street trees during dry season. Reconstruct the existing river into an ecological pond. Besides detention function, it can also store rainwater for irrigation and provide water for birds and other animals.
		Frequent Typhoon	• Examine waterproof condition of curtain window when conducting quarterly window cleaning
	TPKA Building	Lack of Water Resource	Use certified water efficient equipment Promote water conservation to the tenants
		Lack of Energy Resource	 Establishment of charging station for electronic vehicles Establishment green roof to lower indoor temperature

Opportunities

Climate change has stimulated the industry to raise investment in R&D and innovation of smart technology. According to Tpark's positioning, Tpark's major targeted industries have a very promising future and are expected to grow continuously. In the meantime, Tpark works with industry to introduce new energy saving technology to lower utility cost. Tpark also provides powerful user experience to the industry. As the result, Tpark has become the innovation platform of intelligent technology, a hub of intelligent industry and a paradigm of smart city. For example, Tpark helps to raise awareness for low carbon to the tenants and introduce plate recognition and eTag parking system which make parking more efficient and can reduce carbon emission from vehicles.

Energy Management

Energy conservation is a major project of Tpark. However, indoor temperature, lighting, elevator and other equipment should remain functional in order to provide a comfortable working environment. Therefore, our electromechanical professionals will visit new tenants to understand their energy usage needs. Tpark also traces the electricity consumption of the Park monthly. If a particular tenant has a sudden increase of electricity consumption, Tpark will send a team to evaluate the situation and recommend improvement measure. Furthermore, Tpark improves energy saving by air-conditioning; during summer time, the air-conditioning unit is adjusted accordingly.

In 2015, the electricity consumption of TPKA building increased 4% comparing to 2014, which was due to increasing number of

employees in the building and expansion of equipment. However, under strict monitoring, the electricity consumption of public area decreased by 1%.

► Total Electricity Consumption Unit : GJ

	2014	2015
TPKA Building	21,918	22,880
Public Area	11,336	11,449
Office Area	10,582	11,431
Tpark	460	416
Total	22,378	23,296

Unit : t-CO₂e

	2014	2015	
GHG Emission	3,239	3,371	

Note : • The electricity consumption of Tpark uses outdoor electricity consumption in calculation, excluding TPKA building.

• Heating value is based on " 2014 Taiwan Energy Statistical Hand Book." Electricity emission coefficient is in accordance to Taiwan Power Company (2014).

TPKA Building Electricity Intensity and GHG Emission Intensity



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Future energy conservation will focus on reducing energy consumed by building. All buildings in Tpark are of green building design. Tpark encourages use of electronic vehicles and has installed electricity charging stations. By smart building management, it monitors the whole park's electricity consumption.



Tpark encourages staff and tenants to reduce use of motor vehicles with following actions:

- There are one electronic motorbike and one electronic bicycle for business use in Tpark.
- Tpark made an effort to set up 21 sets Ubikes (42 bikes) within Tpark for connection between Ubike stations at MRT station and library for its tenants and surrounding residents.
- Tpark schedules shuttle bus to and from shopping area and food stands and encourages public transportation.
- Beside 310 parking space for bikes at 6 different venues within the Park, there are also bike parking spaces in basement of building; there are shower rooms in TPKA building for bikers.

Water Resource Management

Although Taiwan has a high annual precipitation in average, the concentrated precipitation and inadequate rainwater retention system make Taiwan one of water-shortage areas. As a result, how to include water recycle plan in the design of Tpark was one of the major issues for Tpark's design and development.



The water resource management was done through storing and reusing underground rainwater from infiltration trench and eco retention pond of central park to achieve the target of water retention in the park. The underground rainwater can be used for irrigation and supply the pond of central park while excessive water flows away to prevent flood. Such design helps to reduce the load of public drainage system and maximizes efficiency for water resources. According to the design plan of Artelier Dreiseitl of Germany, Tpark is able to retain 60% rainwater runoff within itself.



- 1 · Underground Infiltration Trench
 - A three meters wide and two meters deep infiltration trench was established along two sides of the road to collect surface runoff for watering of trees along the roads.
 - During rainstorm, rainwater on pedestrian sidewalk is quickly contained by holes of infiltration trench and then led to underground water system slowly.
 - The infiltration trench of Tpark is 1,754 meters long with a total volume of 10,522 cubic meters; its water containment volume is 2,104 cubic meters, equivalent to 93% of an Olympic-size swimming pool.
- 2 · Eco Retention Pond of Central Park
- The currently completed south park eco retention pond in Central Park is used to prevent flooding and protect groundwater. The pond has a volume of 374 cubic meters. The water provides water source for birds and animals.

As there is no measuring equipment setting up for infiltration trench and eco retention pond yet, based on the precipitation for year 2015 announced by Central Weather Bureau, a volume of 46,200 tons rainwater was collected by infiltration trench and the currently completed eco retention pond.

TPKA Water Resource Management Measure

Tpark Water Resource Management Action

TPKA adopts water-efficient equipment and monitors water withdrawal monthly and promotes water conservation to all tenants to reduce water withdrawal. In 2015, coping with the water restriction measure and reduction of water supply by Ministry of Economic Affairs, TPKA building had stopped window cleaning and change of water for landscape pond and promoted water conservation to tenants. As a result, the water withdrawal of 2015 has a 5.62% decrease comparing to 2014. In average, each individual lowers water withdrawal by 9.57%.

Total Water Withdrawal

Unit : Kiloliter

	2014	2015
TPKA Building	40,137	38,025
Tpark	801	173
Total	40,938	38,198

Note : • Garden irrigation uses rainwater from green roof. Water withdrawal is all from tap water and has no influence on water resource.

 The water withdrawal of Tpark represents outdoor water withdrawal excluding TPKA building. In 2014, a tree treatment experiment used 600 kiloliters of tap water.

TPKA Building Water Intensity



Water Intensity (kiloliter /person)

TPKA has a green roof of 1,511 square meters with a soil ground of 40 centimeters thick which serves as the first layer of rainwater retention and to lower indoor temperature during summer period. When rainfall exceeds the capacity of green roof, the excessive rainwater flows through a pipe to a water tank located in basement. A portion of that water tank is used for irrigation and another portion supplies for landscape pond. To advance the water recycle plan, water meter is installed in July, 2015. From July to December, 2015, it collects 255 tons of rainwater. Based on 2015 rainfall information of Banqiao, 426 tons of rainwater was recycled.

Pollution Prevention

Environmental Protection Expenditures and Investments

Unit : NT\$1,000



Note : In 2015, additional items add to environment protection expense including garbage refrigeration equipment, green building and LEED Campus implementation fees, environment monitoring fees, etc.

Tpark made an effort to become a low carbon green campus. Besides energy and resource management, Tpark also takes a cautious approach towards pollution prevention. Although there is no source of air pollution within Tpark, we comply with regulation to monitor air quality within the park quarterly. All monitored figures in 2015 were far below the regulated standards. Nevertheless, the only source of wastewater is from tenants' daily operation. There is no manufacturing waste or wastewater. Tpark has established complete pollution prevention equipment and has continuously invested in environment protection and pollution prevention.

1 · Wastewater Management

The major source of wastewater in Tpark is the wastewater from daily operation. There is no manufacturing wastewater from heavy industry or plants in Tpark. The established sewage facilities are maintained weekly by professional organization, the use of drugs and surveillance of water quality are also done by professionals. The processed water meets the national water quality standard and is discharged to Tamsui River. The discharged volume and water quality are reported to government authorities regularly. Currently, Tpark has a complete sewage pipe system that is ready to connect with New Taipei City sewage system once it is completed.

► Wastewater Discharge



Note : • The total wastewater discharge is less than total water withdrawal because the evaporation of cooling tower, window washing, fire drill practice and garden irrigation during dry season.

 In 2015, working with water restriction action and reduction of water supply of Ministry of Economic Affairs, TPKA building stopped window cleaning, water changing of landscape pond and promoted water conservation to tenants. It resulted in a reduction of both water withdrawal and wastewater discharge.

2 · Waste Reduction

To reduce waste, recycle bins are placed at each level of TPKA building. Recycling awareness is being promoted through tenant handbook. To deal with the kitchen waste from ground floor restaurants, kitchen waste refrigeration equipment is established in basement to prevent the waste from decaying and to maintain a better environment. In 2015, additional garbage refrigeration equipment was set up to avoid bad smells and flourishing of pests for maintaining hygiene. At the same time, fallen leaves compost system was established to further contribute to reduce and recycle of waste in Tpark. The only source of waste of Tpark is from daily operation and there is no manufacturing waste. Waste is disposed by incineration by qualified contractor.

Domestic Waste



Note : Temporary project requirement, organization expansion and new tenant caused an increase in domestic waste in 2015.

6.2.3 Tpark Safety Management

Taipei Far Eastern Telecom Park is an open park which allows local residents to walk and exercise inside the park. Therefore, safety management becomes an important task. Besides regular security patrol, Tpark also introduces intelligent technology application to advance the efficiency of safety management. Disaster Prevention and Relief Operational Manual, Emergency Response and Report Procedure and other disaster operation manual are implemented to provide a complete precaution and to increase safety awareness and response ability of all members.

Introduce Smart Technology for Safety Management

Electronic Fence of the Eco Pond

Electronic fence, which is normally used in nursing homes and factories, was innovatively introduces to the eco pond of Tpark. To coordinate with the polygon-shaped water environment, the electronic fence is adjusted accordingly and equipped with face recognition tracking function which synchronizes with warning announcement on site. If anyone walks into the warning zone of the pond, the system will automatically alert the central control room and allow its monitor to track the movement. In the meantime, an instant warning announcement in South Park is activated to advise people to leave the dangerous area. This system allows us to preserve the natural scenery and secure the public safety without having to set up physical fences. Tpark is the first to innovatively apply electronic fence to eco pond.

Mobile Security

All security guards of Tpark are equipped with Sky Eye developed by ITRI when patrolling. Sky Eye has the function of transmitting real time audio and video information and locating the patrol route which assists the security manager to dispatch and monitor security staff. Moreover, the real time audio and video information are sent back to the central control room and the mobile device of security manager. In emergency situation, this system helps manager and central control room to receive real time information that enables them to make informative instruction.



Disaster Responses

Fire Prevention

TPKA building has complete fire prevention and evacuation equipment which comply with related regulations. Fire safety training is held regularly. Each year there are two fire drills and one evacuation exercise for all employees and tenants. Tenants are required to organize into fire extinguishing team, emergency evacuation team, safety warning team and information team. Each team is trained accordingly to increase emergency response ability.

Emergency Assistance

Tpark works with its close neighbor, Far Eastern Memorial Hospital, and provide interpreting assistance to foreigners to assist the emergency medical treatment. An automated external defibrillator (AED) is placed in an easy-to-spot area in TPKA lobby.

Reaction for Potential Infectious Disease

Tpark thinks highly of indoor air quality and air circulation. We assign personnel to examine Makeup air unit (MAU) of each floor and to clean MAU filter quarterly. Photo catalyst air purifier is installed on ventilation pipe at ground floor's public area and an ethanol hand sanitizer dispenser is placed at elevator entry of ground floor for the employees and visitors. For office area, TPKA building conducts mosquito control quarterly and mice elimination monthly.

In response to dengue fever prevention campaign in Taiwan in 2015, Tpark examined 6 areas with stagnant waters and undertook 2 vector mosquito controls to prevent the growth of vector mosquitos.

· Natural Disaster Risk Management

As soon as a typhoon sea warning is announced by Central Weather Bureau, a typhoon reaction team will be organized to execute related tasks inflicted by typhoon. When typhoon or earthquake takes place, responsible employees should follow the procedure listed in Disaster Prevention and Relief Operation Manual. Tenants' operational manual also lists the precaution and response procedure for typhoon and earthquake.



The first manufacturing plant of Far Eastern New Century was located at the current location of Taipei Far Eastern Telecom Park. Tpark occupies areas of the old textile factory and a 9-hole golf court. Soil tests on heavy metal were taken in year 2003 and 2012. Results of the two tests show no sign of soil pollution. At the early stage of Tpark's design, it has integrated landscape, ecology, culture and environment to allow a biodiversity which is a major feature of Tpark.

Tpark is designed with a 40,000 square meters Central Park. Currently, an area of 7603.3 square meters of South Park has been completed with wetland, porous waterfront, wood pile porosity and undisturbed multi-layer ecological greening to create habitat for various creatures. In additional, Tpark includes "Native Plants and Birds and Butterflies Inducing Plants" and "Multi-Layers Diversified Greening" to create a symbiosis environment and allow the eco-environment in the park for self-adjustment. Green area serves the functions of water conservation, air purification, climate adjustment, covering, landscaping and providing habitat for other creatures.

In an ecosystem, butterfly is considered as an environmental quality indicator. Learned from our affiliated company, Asia Cement, in Hualien, we have not only completed the butterfly restoration for this developing stage, but also learned that certain plants are able to induce butterflies and other creatures. Up until now we have discovered bugs, snails, earthworms, butterflies, bees and birds in Tpark. To avoid disturbing birds at night time, lighting is installed only on the pedestrian sidewalks and drive ways. There is also lighting shield to prevent glare. Besides, TPKA building does not use glass with high reflection to avoid light pollution.

Greening

To carry on legacy of the Group, Tpark still preserves the Jambolans planted by Far Eastern Group founder, Mr. Yu-Ziang Hsu. All the trees with history are either preserved or transplanted to other places. Newly planted trees in Tpark are mostly Taiwan protophyte including Formosan Ash and Taiwan Zelkova which are trees with the second and third highest carbon fixation.

Tpark applies systematic approach to number and manage all the trees and organizes an arborist team to take care of all the trees to show our respect and care for the nature.

Amount of Green in Tpark

Arbor **► 723**

Items	Amount	Items	Amount	Items	Amount
Formosan Ash	138	Swamp Manogany	1	Fan Palm	5
King Palm	59	Roebelin Date Palm	1	Yellow Areca Palm	3
China Berry	22	Beef Wood	2	Bottle Palm	3
Green Maple	9	Red Cedar	2	Common Garcinia	1
Camphor Tree	99	Wax Apple	1	Red-flowered	1
Luchu Pine	10	Madagascar Almond	26	Jambolan	12
Marabutan	231	Palimara Alstonia	7	Silver Oak	1
Willow	9	Sweet Osmanthus	4	Others	6
Taiwan Zelkova	18	Formosan Sweet Gum	49		
Orchid Tree	2	Mulberry	1		

Shrub ► **31,022**

Items	Amount	Items	Amount	Items	Amount
Small-leaved Rhododendron	1,190	Lace Golden Dewdrops	930	Gardenia	783
Sweet Osmanthus	286	Ceylon Ardisia	7,639	Ixora	6,366
Taiwan Aglaia	1,965	Golden Dewdrop	11,860	Taiwan Hibiscus	3

Ground Cover Plants	2,3	94	m²
Ground Cover Plants	2,5	/ •	٢.

Unit : m²

Items	Amount	Items	Amount	Items	Amount
Society Garlic	164.9	Arachis Duranensis	263.3	Creeping Liriope	525.1
Spider Lily	569.1	Autumn Zephyrlily	525.1	Portulaca	175.0
Ipomoea Batatas	171.9				

Vine ▶ **237**

Items	Amount	Items	Amount	Items	Amount
Boston Ivy	25	Garlic Vine	90	Flaming Trumpet	80
Coral Vine	42				

Training for Arborist Team

All members of arborist team of Tpark have sufficient knowledge regarding tree management and professional tree trimming. Tpark requests all related staff to undertake Arboriculture training. One of our staff has even been granted as certified arborist by International Society of Arboriculture in 2015. Tpark also hires professional plant caring company to undertake pest control and tree trimming regularly. Tpark provides opportunity for staff to gain practical experience of tree trimming and caring and helps them to acquire a life time technique.

2015 Arboriculture Training

Course	Goal	Number of Attendant	Hours per Person	Department of Attendant
1 st Arboriculture Training Class	Professional plant caring, trimming, treatment and experience sharing	4	80	Staff from Property Management Unit and Engineering Unit

6.2.5 Community Relationship



The design and development of Tpark integrates cultural values, art concept and human-centered transportation design to showcase the wide, spacious and green waterfront "Central Park", the human-centric "Boulevard", the "Textile Square "which echoes the region's woven textile industry history, the " Ryukyu Pine Square "which celebrates the old-age trees, and the comfortable, spacious pedestrian sidewalks and bike routes. Tpark is open to the public and local residents for recreation to enjoy the natural environment it offers.

Five billboards with maps of the park and management phone number which is open for enquiry 24 hours a day are installed in open space of the park. Also, there is an email address listed on the official website for any enquiry. To create a closer bond with the local communities, Tpark assigns personnel to visit chief of village to learn about local residents' opinions and to interact with local police station by attending monthly meeting and setting up 24 hours patrol to maintain safety of the area.

Community Events and Activities by Tpark in 2015 :

Sponsored Events Organized by Government

 Tpark provided venue and staff to assist in New Taipei City Government 2015 Disaster and Fire Prevention Exercise.



Promote Smart Campus

- Tpark worked with Economic Development Department of New Taipei City Government to host "2015 Big Data Forum" and invited our tenant's CTO, Dr. Stephen Brobst, as the keynote speaker. The event had around 300 participants.
- The National Information and Communications Initiative (NICI) held its committee meeting at Tpark to discuss the development of intelligent community and related innovation industry. 67 committee members attended the meeting.
- Tpark was selected as the Real Site Demonstration of 2015 Smart City Exhibition. 4 guided tours to the Park were organized.

Education

- 110 students from Department of Engineering for Sustainable Environment of National Taiwan University visited Tpark on the excursion field trip.
- Tpark provided venue for New Taipei City Library to host Book Festival.
- Tpark provided venue for New Taipei City Library to host eco-experience summer event for elementary school students, 20 pupils participated.

Investment in Community



Note: • Voluntary infrastructure investment includes landscape maintenance, eco pond maintenance, road (pedestrian sidewalks and drive ways) maintenance, traffic light maintenance, etc.

· Cash and non-cash donation include community sponsorship and local industry development activities.