

A. Introduction to the National Sustainable Development Awards

The Executive Yuan's National Council for Sustainable Development launched the Campaign to Select and Bestow the National Sustainable Development Awards in order to encourage nationwide participation in promoting sustainable development, and to achieve the government's vision for sustainable development by making the concept an integral part of people's daily lives on a local level. The award recognizes schools, businesses, civic organizations and government agencies whose sustainability-related efforts have yielded excellent results.

The judging process comprises three rounds: preliminary selection, intermediate selection, and final selection. After participants have registered and submitted applications, a jury consisting of NCSD

members and experts make a preliminary selection by doing written reviews in accordance with the evaluation guidelines. Then, the jury conducts on-site visits to intermediate selections to choose the final winning entities for the year. The final winners are awarded at a ceremony hosted by the Executive Yuan.

B. Results of the 2017 National Sustainable Development Awards Selection Process

After the three selection rounds of the 2018 National Sustainable Development Awards (written evaluation by NCSD working groups; on-site evaluation by non-governmental NCSD members; and final selection by the entire jury), a total of 12 winners were selected. Following the convention, an award ceremony was held in December at the Executive Yuan.



▲Image 22 / Judging and Bestowal Process for the National Sustainable Development Awards

Table 1 List of 2018 National Sustainable Development Awards Winners

Category	Awarded to
Education	Chang Jung Christian University
	Tzu Chi University
	Micang Elementary School, New Taipei City
Business	Yuan Soap Workshop Co., Ltd.
	ECOVE Environment Corporation
	Far Eastern Department Stores
Civic Organizations	Hsin-che Lien-chih Benevolent Association of Taiwan
	Youngwater Culture and Education Foundation
	Environment and Development Foundation

Category	Awarded to
Government Agencies	Construction and Planning Agency, Minister of the Interior - the Demonstration and Promotion Scheme for Recycling and Reusing Discharged Water from Public Wastewater Treatment Plants and the Implementation Plan of the Forward-looking Water Reclamation Project
	Forestry Bureau, Council of Agriculture, Executive Yuan: - From Farmland to Wetland The Chenglong Wetland Satoumi Operation
	Bureau of High Speed Rail, Ministry of Transportation and Communications - Taiwan Taoyuan International Airport Access MRT Construction Plan

C. About the Award Recipients

I. Education

(I) Chang Jung Christian University



▲ Image 23 / Chang Jung Christian University Spin-off Enterprise — Ark: A Better Life

1. Introduction

Respecting God, having love for the people, being grateful, and hard work are the core values that Chang Jung Christian University (CJCU) adheres to. With a vision of practicing holistic pastoral education as a sustainable university, the university adopts eight strategies: Holistic pastoral education; nurturing talent; industry-academia partnership; international participation; a sustainable campus; social responsibility; organizational advancement; and a smart campus. By following these, CJCU

builds a quality learning environment for students and achieves campus sustainability. The university is dedicated to elevating its teaching quality to excellent standards, strengthening the learning environment, promoting environmental education, fulfilling social responsibilities, and achieving innovation in industry-academia research. CJCU is also progressing toward the goals of establishing a foothold locally, connecting to the world, and becoming an academic leader in fulfilling social responsibility.

2. Current Status of Sustainable Development Promotion

CJCU was founded based on the salvation and universal love of Jesus Christ. Adhering to the school motto of Devotion, Diligence Honor & Service, the university aims to cultivate knowledgeable talent that is devout, diligent, honorable, and has the spirit of service. It has the vision and mission to make contributions to the nation and society, serve the people, and provide practical education. Striving to achieve its vision and mission, the university approaches social responsibility through education. CJCU also regards the message from the Parable of the Vineyard Workers in Matthew 20:1-16 as the foundation and concept of social justice as it continues to empower and give kind attention to disadvantaged students, special education students, indigenous students, and students who are the offspring of immigrants. Through active and effective participation in education, research projects, industry-academia collaboration, consultation services, and community work, the university works to spread social justice concepts and action to communities, the ecosystem, and every corner of the world.

CJCU is run with a sense of social justice, responsibility, and benevolence, and with the intention of becoming a superior international Christian university. It has signed industry-academia alliance contracts and MOUs with several companies, enabling students to access industry internships. A system will also soon be established at the university to advise students on obtaining licenses and taking employment tests so as to help students secure employment before they graduate. CJCU's Alumni Association collaborates with the Ministry of Education, the Yunlin-Chiayi-Tainan Regional Branch of the Ministry of Labor's Workforce Development Agency, and the Labor Affairs Bureau of Tainan City Government in organizing recruitment exhibitions to provide students

with quality opportunities to find employment. First- to third-year students are also encouraged to participate in the exhibitions, to help them gain understanding of industry trends and to broaden their horizons. Early preparation reduces academia-industry gaps. Students are also encouraged to engage in cross-disciplinary learning, develop their courage and confidence, cultivate perseverance through dealing with setbacks, work hard to give back, make good use of government resources and build the future.

CJCU has taken big steps toward becoming an international green energy university and a sustainable campus. First-year compulsory courses defy traditional teaching styles and take students outside of the classroom to learn through action. A building was constructed by students using tiles made from waste newspaper and plastic bottles. They built an eco education center that truly embodies the spirit of environmental protection. The building became the first paper building in a university in Taiwan. This practically incorporates the environmental education spirit of "doing by learning, and learning by doing". In practice, students learn that environmental protection is the fusion of knowledge and action, and an expression of will and perseverance. The President of CJCU, Lee Yung-lung, stated that the university integrates the spirit of campus sustainability into environmental education. Service-learning not only keeps the environment clean, but also strengthens the connection between education and practice. Building with paper bricks teaches students to think creatively, shows respect for the land through actions, makes good use of resources, and establishes ethics and values to protect nature.

3. Vision for Future Development

CJCU's medium- to long-term development aims to establish a local foothold, connect with the world, and become a leading university in fulfilling social

responsibility. CJCUC is committed to the vision of becoming a sustainable university. In terms of the environment, as the Erren River is located close to CJCUC, the university has been participating in river monitoring, pollution remediation, and ecological rehabilitation since 2002. The river monitoring volunteer team has grown from comprising only university teachers and students, to involving community residents. In terms of society, CJCUC learns about communities' lifestyles and gains deeper understandings of community needs as it upholds the principle of common good. The university regularly works with communities to inject new vitality into societal industries and co-create "regional value". In 2017, CJCUC joined hands with Foundation for

Yunus Social Business to establish the CJCUC Yunus Social Business Center, which actively cultivates social enterprise talents to accomplish the mission of achieving social justice and fulfilling social responsibility. In terms of economics, CJCUC acts in accordance with Executive Yuan's plan to develop Shalun Smart Green Energy Science City. CJCUC has implemented many discussions with industry, officials, universities, researchers, and community residents. These are conducted with the aim of promoting placemaking and the circular economy. In 2017, CJCUC also established the first spin-off social enterprise imbued with the spirit of Yunus in Southern Taiwan, Ark Better Life Co., Ltd., to achieve sustainable development goals.

(II) Tzu Chi University

1. Introduction

In Taiwan's eastern region, difficult access to medical care, lack of educational resources, and a shortage of professionals in medical-related fields have been major issues. In light of this, the founder of Tzu Chi University (TCU), Master Cheng Yen, established the university's antecedent, Tzu Chi College of Medicine, in 1994. The goal was to elevate the eastern region's medical standards, cultivate exceptional medical talent for society, and increase the well-being of the people. After years of hard work and strong academic performance, Tzu Chi College of Medicine was renamed Tzu Chi University in August, 2000. At the same time, an affiliated secondary school and experimental elementary school were also established, making TCU a comprehensive educational institution encompassing a kindergarten, primary school, secondary school, university, and masters and doctoral programs. These are practical expressions of the university's operational principles of kindness,

compassion, joy, and unselfish giving; TCU aims to achieve the educational ideals of the Tzu Chi spirit: kindness, compassion, joy and unselfish giving.

2. Current Status of Sustainable Development Promotion

TCU's physical facilities include campuses with high degrees of green cover, an abundance of environmental protection facilities (large areas covered with interlocking block, buildings with raft foundations for water storage, water reclamation systems, heat pumps, solar power and wind energy, T5 & LED energy-saving lighting equipment, water-saving equipment, green roofs, environmental education stations, and more). Smart energy-saving systems are installed on the second campus, in accordance with national energy-saving policies. These installations are designed to create green campuses that are safe, friendly, and smart. In terms of education, TCU has launched global



▲Image 24 / Medical science simulation class with integrated humanities education

sustainability courses relevant to local areas and cultures; internationally renowned gross anatomy simulation classes with unique cultural features; and service-learning courses that cultivate the spirit of altruistic humanism in students. The university has demonstrated exceptional performance in many areas, and has earned awards and recognition from many organizations: the 2017 Ministry of Education Special Schools with Character Education award; a bronze medal in the 2017 Youth Overseas Peace Corps Competition, awarded by the Ministry of Education's Youth Development Administration; NT\$53.75 million for the Ministry of Education's 2018 Higher Education Sprout and University Social Responsibility (USR) Projects; and NT\$10.22 million for the Ministry of Education's New Southbound Academic Export

project. Additionally, TCU was ranked 200th in the UI GreenMetric World University Rankings for 2017 (12th in Taiwan). TCU is regarded as a small-scale university primarily specialized in medical education, but it has attained substantial achievements in many regards. These include enhancing harmony between society and the environment; finances; sustainable & humanist unselfish giving; community engagement; and sustainable curricula and campuses. For a university with a relatively small number of teachers and students, such achievements do not come easily. This is all primarily due to TCU's clear sustainable development framework, long-term and effective strategic planning, and pragmatic praxis and implementation.

3. Vision for Future Development

With the clear conceptual guidance and support from Master Cheng Yen (founder of TCU) and the board of directors, sustainability has been considered as the core of the university's development since it was established. To uphold this spirit and way of thinking, and to create a sustainable university with special features, the team led by President Wang Pen-jung has formulated a strategically and systematically sustainable development framework. They've also formulated effective implementation plans and clear goals. Their plans include construction of sustainable environmental protection facilities, systems, and management, as well as construction of a safe campus and hygienic environment. In terms of education, courses are formulated with unique humanistic and sustainable features. TCU also actively encourages teachers and students to

engage with and show care for the community, and to participate in service-learning classes. The goal is to work toward diversely multi-faceted, multi-layered, and in-depth development. By building a clear, strong framework and attaining project results, TCU works from points to build a line, from lines to build a plane, and from there to build 3D concentric spheres. This is TCU's approach to becoming a sustainable university. TCU hopes to become a university that presents an example of the Tzu Chi Culture: a place where academic talent gathers, and a model of the flourishing university. TCU aims to contribute to sustainability work for society, humanity, and the world as a whole, by cultivating professional talent that embodies the spirit of altruism and humanism, cares for society, does good deeds for people, and has both skills and virtue.

(III) Micang Elementary School

1. Introduction

Micang Elementary School, in Bali District, New Taipei City, is located at the foot of Guanyin Mountain and the banks of the Tamsui River. It is a school with a rich ecological environment, history, and culture. The school is small but refined. Environmental sustainability, resource sustainability, and generational sustainability are the school's goals in promoting sustainable development. Micang School devotes long-term effort to developing environmental education, and has won several awards from the Taipei City Government and the Ministry of Education. In terms of environment construction, the school works hard to create an aesthetically pleasing campus that conserves energy, reduces carbon emissions, maintains lifestyles of health and sustainability (LOHAS), and protects the ecological

environment. Both its curriculum and teaching are student-centered, with an emphasis on practical experience that connects students' learning with their lives. Removing invasive species, marine education, disaster prevention education, and food and agriculture education encourage students to jointly care for and protect their own living environment. In terms of environmentally-friendly living and action, the school works toward raising the environmental awareness of both students and teachers, so that they practice environmentalism in their daily lives. In terms of community engagement, Micang School is constructed as a hub that integrates the transmission of culture to the community learning center. A diverse range of LOHAS classes are organized for seniors of the community at the senior learning center. Students are also encouraged to show care for community

seniors through action. They perform for seniors at nursing homes in special classes featuring children's toys, such as spinning tops; they also go to Aiwei Children's Home to engage in cleaning service-learning. The school holds annual river-cleaning events at the Tamsui River, as well as low-carbon school fairs. These actions are designed to help Micang students get off their campus and jointly care for the community and environment.

2. Current Status of Sustainable Development Promotion

I. School Policies and Space Management:

- (I) Environmental policies and a management system have been established for the school

campus, to foster correct environmental protection attitudes in students' and teachers' minds.

- (II) An eco-friendly campus has been planned and designed; integration of environments and environmental aesthetics with the ecology is promoted.
- (III) Campus construction is allowed to become Student Centered again; holistic campus construction is encouraged.

II. Teaching Sustainable Development Courses:

- (IV) Teachers are encouraged to utilize local environmental resources to prepare self-made teaching materials and worksheets, and to incorporate them into their teaching.



▲ Image 25 / Every year, graduating students must complete a mini triathlon

(V) Events relevant to environmental protection are organized, such as excursions, seminar visits, workshops, and competitions.

III. Humane Care and Community Engagement:

- (I) Classes are provided to senior citizens in the community at Bali District Senior Learning Center.
- (II) Learning activities are organized at nursing homes and Ai-Wei Mercy Home to encourage interaction between young students and seniors.
- (III) Students, the alumni association, and community residents are guided to jointly organize at least 2 beach cleaning events every year.

(IV) Community resources and assets are creatively integrated to construct many unique campus features.

3. Vision for Future Development

In response to the trend of globalization and sustainable development, in recent years, Micang has adopted the vision of "World Micang, Keep Going". Micang continuously facilitates the sustainable development efforts in aspects of environment, resources, generations, and international perspectives, as well as the sustainable education. Thus, Micang students thrive in years, and also expand the connection to make Micang Elementary School a community learning center.

II. Business

(I) Yuan Soap Workshop Co., Ltd.

1. Introduction

In 2005, Yuan Soap Workshop established the Yuan Soap brand in a small fishing village of Wanli District. The brand started with hand-made medicinal herbal soaps; they pioneeringly entered the market with the theme of Taiwanese medicinal herbs. Yuan Soap integrates Eastern health philosophies and concepts, and upholds the principle of being grateful for life and friendly to the environment. The business is committed to fulfilling its responsibility for the land, and to integrating the value of holistic community development with the aim of maintaining crafts that are infused with warmth and culture.

2. Current Status of Sustainable Development Promotion

Since its establishment, Yuan Workshop has

maintained a commitment to Land Ethics and the Aesthetic of Manual Labor in the enterprise's cultural practices. Yuan Workshop acts to achieve the enterprise goals of Cultural Regeneration, Placemaking, and the Symbiotic Economy. Intensive manual processes are adopted to make products that consume little energy, are highly reusable, use minimal material, have zero emissions, and completely decompose. This also increases employment opportunities and creates value for manual labor. Herbs are upgraded from use as primary raw materials or secondary processing materials, to being integrated into third-level biotechnology applications. This makes full use of broad-spectrum herbs, maximizing effectiveness of products in providing pleasant therapeutic benefits. Building from the hand-made herbal soaps, many skincare products, such as



▲ Image 26 / Yuan Farm - an Attitude that lets nature decide what grows

oils, toners, lotions, creams and gels, have also been developed. This has made Yuan Workshop the world's first cosmetic enterprise to be a creative and lifestyle brand that also produces toothpaste and tea.

Upholding CSR principles, Yuan Workshop continues to generate added value for traditional local industries and fulfill its social responsibilities. The company does this through its collaboration with suppliers, manufacturing management, innovative services, product core values, as well as involvement in social issues, environmental protection, and community care. Doing so has allowed Yuan Workshop to build an enterprise structure that entails Working Together, Creating Together, Co-Existence, and Mutual Good. In 2016, the Chiang Jung-yuan Education Foundation was established to implement and promote Personal Engineering that benefits mental health, coexistence

with the environment, and spiritual and aesthetic education. By the end of 2018, Yuan Workshop had more than 500 points of sale across Asia, Europe, and the United States. The business, started by one man from the countryside, has progressed to the creative integration of international aesthetics, placemaking of rural areas, and marketing to first-tier cities. Yuan Workshop is committed to positively and effectively promoting the uniqueness of Taiwanese plants, customs, and culture to the world with value-added products.

3. Vision for Future Development

Yuan Workshop hopes to become a global Taiwanese medicinal herb brand with the deepest cultural depth. Continuing the spirit of holistic community development, the brand generates real earnings that

improve the environment and people's daily lives through marketing. As economic returns improve, it is no longer a daydream for young people to return to their hometowns. Communal Co-prosperity has transformed from a slogan into an industry. Through the evolution of management, sustainability has become a habitual practice. Because of this, in 2017, the enterprise bought a plot of land in Shimen District, in the suburban coastal area of northern Taiwan, and named it Pearl of the Northern Sea. This was to establish a site for crafting hand-made soap that also integrates medicinal herb research and development,

brand development, employment clusters, and charity. Yuan Workshop believes sustainability for the common good is a new solution for transforming today's economics. The four key elements of sustainability — Working Together, Creating Together, Co-Existence, and Mutual Good — are the goals Yuan Workshop aims for. Strategies to achieve those goals are Production, the Ecology, Daily Life, and Business. Yuan Workshop is also committed to promoting this spirit of the Creative Economy and replicating it in markets around the world, to help it produce the best results.

(II) ECOVE Environment Corporation

1. Introduction

ECOVE Environment Corporation (TPEX: 6803) along with its subsidiaries (collectively referred to as ECOVE below), was established in 1999 in Taipei City, Taiwan. ECOVE provides professional investment and operational services for the resource recycling industry, with a focus on developing and managing the circular economy (e.g., energy renewal, material recycling, and water reclamation). ECOVE's subsidiaries have expertise in the environmental protection and green energy industries, including: Operational maintenance of environmental protection electromechanical facilities; waste-to-power plant franchised operation (PPP); waste management; resource recycling; and photovoltaic power. ECOVE's clientele comprise public and private companies in Greater China, Southeast Asia, India, and the United States. The company provides all-round services, covering: Investment and franchised operation of waste-to-power plants; waste and resource recycling management; factory supply for cleaning and cutting plastic bottles for reuse; solar power plant development and investment; and more.



▲Image 27 / Installing a photovoltaic system

2. Current Status of Sustainable Development Promotion

ECOVE is a member of CTCL Group, a leading global engineering service provider. Founded in 1999, ECOVE has established affiliated companies in Taiwan, China, Macao, and the United States. The company provides professional investment and operational services relevant to the resource recycling industry; its growth revolves around the development and management of the circular economy, which

includes energy renewal, material recycling, and water reclamation. ECOVE's subsidiaries are involved in many environmental protection and green energy industries. These include operational maintenance of environmental-protection electromechanical facilities; waste-to-power plant franchised operations (PPP); waste management; resource recycling upgrading; and solar photovoltaics. In 2017, it was announced that ECOVE would be heading into the international arena.

Building a brand isn't about showing off, but it's about building core values within, to give employees a sense of identity, and to create social value. Put simply, building a brand is about enhancing operational efficiency, making things smarter, systematizing, and working together. The purpose is to integrate environmental protection and green energy within the service field, and to turn limited resources into sustainable resources by integrating technology.

ECOVE has always been committed to fulfilling its corporate social responsibility. Therefore, ECOVE not only works long-term to improve itself in its areas of expertise, but also spares no effort in social engagement. Environmental education and communication channels relevant to the environment are necessities for promoting public participation in environmental protection. Therefore, many branches of ECOVE's subsidiaries have been qualified as environmental education facilities. ECOVE also integrates the CTCI Education Foundation into its long-term environmental education development. The enterprise takes the initiative to visit elementary schools in Taiwan to teach sustainable lifestyles to children, who will be our future leaders. ECOVE also recognizes that ensuring the safety and health of employees is the most important task in an enterprise's operations. Therefore, ECOVE provides all the resources necessary to construct and maintain

intrinsically safe work environments. ECOVE sees its employees as the top priority; ECOVE's spirit and conduct have also earned the Enterprise Project Management Benchmarking Award at the National Occupational Safety and Health Awards. As a leading company in Taiwan's environmental industry, ECOVE has long provided professional training to cultivate the core skills of our colleagues. In 2016, ECOVE won the National Standardization Award, a testament to ECOVE's high-quality daily operations.

In 2017, ECOVE underwent third-party inspections and obtained the world's first BS 8001 Circular Economy certification. This is testimony that ECOVE operations yield the greatest recycling rate and circular economy benefits. Evaluations have shown that ECOVE performs at excellent standards in the areas of resource management, environmental benefits, and social benefits. The BS 8001 Circular Economy certification has inspired new ideas, which ECOVE will integrate into its business operation philosophy for this age of Sustainable Development Goals (SDGs).

3. Vision for Future Development

The company's vision is to attain the SDGs, and to become the most trustworthy leader in sustainable resource recycling.

ECOVE's missions are to improve the utilization of technology integration, and to optimize the benefits of resource recycling. The brand's slogan, Every Resource Counts, is also an operation and conceptual principle. The benefits of resource recycling are elevated through smart systems and data management. ECOVE actively takes part in discussions on environmental protection policies and community collaboration. The company is committed to including SDGs within the strategic development plan. Combining careers with vocations, ECOVE continues to work hard for global resource

sustainability and for the living environment of people.

Originally, ECOVE was only involved in incinerator plant operations and maintenance services, before it expanded into electromechanical equipment upgrading and railway depot facility maintenance and management. The company also exports Taiwan's

incineration technologies overseas. ECOVE went from nothing to a success, from having only 3 workers to upholding CSR and BS 8001 Circular Economy practices with 900 employees. Its vision is to become the most trustworthy leader in sustainable resource recycling, as it continues to work toward sustainability.

(III) Far Eastern Department Stores

1. Introduction

The Far Eastern Department Store has been growing locally for over 50 years. The company upholds the spirit of "whatever we take from society, we apply it to society". While the enterprise pursues excellence in business management, it also works hard for the sustainable development of Taiwan's economy, environment, and society. This is to construct a sustainable growth model in which the economy, environment, and society all benefit. With half a century of business operations under its belt, the Far Eastern Department Store is not only the oldest, but also the only listed chain department store in Taiwan. It is also a merchandise retail group with the highest revenue in Taiwan. Its subsidiaries include many operations, including department stores, hypermarkets, high-quality supermarkets, and shopping malls. Having 50 operating sites throughout Mainland China and Taiwan, it is the most unique and most complete large retail group on either side of the Taiwan Strait. In its glorious development history, the Far Eastern Department Store was not only the first to run a new operation model combining supermarket with department store, but also the first department store in Taiwan to organize mid-year sales and international commodity exhibitions. The opening of the New Generation branches (Banqiao Mega City and Taichung Top City) in 2011 were successful launches of the department store-style shopping mall, which

gave momentum to the development, transformation and improvement of the Taiwanese department store industry. In the future, the Far Eastern Department Store will continue to pursue innovation and transformation, and make innovations in its business operations. It will utilize digital technology to upgrade the consumer experience, to share joy with the public, and to create wonderful experiences. It aims to become a leading retail brand with sustainable operations, to prosper and find common good with society, and to grow with the public.

2. Current Status of Sustainable Development Promotion

The Far Eastern Department Store walks at the forefront of environmental protection. It combines technology with fashion and environmental protection, to construct green shopping malls and practice the concept of environmental sustainability. Thirty-three million kWh of electrical energy have been saved in the recent five years. The amount of carbon reduced is equivalent to the amount of carbon consumed by 67 Da'an Forest Parks in a year, and 424 ping (1,402 square meters) of roadside trees and green space have been adopted. On average, three environmental educational events were held every month, at which 56,000 environmentally friendly everyday commodity gifts were distributed. Its shopping bags are environmentally-friendly paper bags with FSC



▲Image 28 / Far Eastern headquarters' green building in New Taipei City

Rainforest certification. Reduction in packaging has been promoted, with total packaging per transaction dropping by 16% in 2017. The ten store branches in Taiwan have held more than 300 charity events by making good use of their platforms for charitable resources. They have also held charity Christmas lights illumination events for nine consecutive years.

The enterprise has cared for more than 1,500 children from rural areas. The employees also showed their Far Eastern spirit of caring by taking the initiative to form volunteer teams that participate in beach cleanups. The enterprise practices environmental protection, serves society, and builds wonderful living with love.

3. Vision for Future Development

The Far Eastern Department Store has been established locally for 51 years. It upholds the spirit of seeking innovation and transformation in its pursuit of exceptional corporate management. Giving back to society is regarded by the company as a fundamental value for sustainable enterprise operation. Through this, Far Eastern constructs a sustainable development model that allows the economy, the environment, and society to all benefit. In the face of

the new wave of retail, the Far Eastern Department Store is making good use of technology to build a bright future of digital retailing. It has also become a growing enterprise in terms of the two E's. The Far Eastern Department Store's EPS has increased through operational strategies and innovations in management; it has also been fulfilling its social corporate responsibility with EGS. The Far Eastern Department Store is leading the department store industry into the age of sustainable development.

III. Civic Organizations

(I) Hsin-che Lien-chih Benevolent Association of Taiwan

1. Introduction

Master Che Tsung, the founder of Hsin-che Chan Temple, established Hsin-che Chan Temple in 1979, and founded the Hsin-che Lien-chih Charitable Association on May 30, 1983. The association's goals are to promote the traditional virtues of compassion and saving others; help the poor in society; provide counseling and care to improve physical and mental health; establish correct outlooks on life; assist the government in handling charitable, public welfare, cultural, educational, employment training and other work; promote social stability and harmony; and purify people's hearts.

2. Current Status of Sustainable Development Promotion

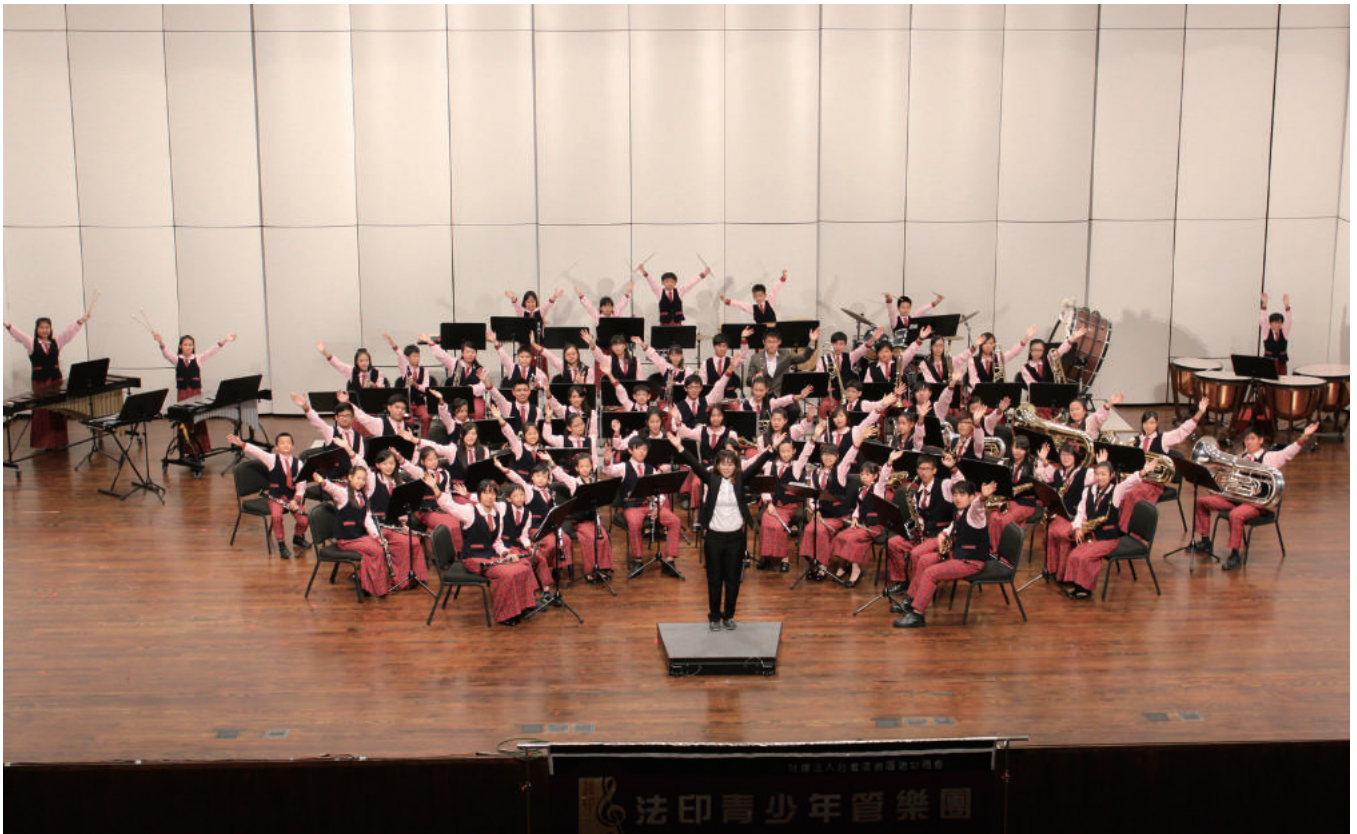
(1) Social care:

Following its mission, the association handles all kinds of social service work, charity, public welfare, culture, education and employment training. Resident masters lead professional social workers and like-minded

volunteers to jointly develop civic groups among people in need of care and empowerment in different regions, such as women new immigrants, second generation new immigrants, seniors and vulnerable groups in Taiwan. Services focus on three major focal points commissioned by the government: child-care, new immigrant family service, care for the elderly in Qianzhen District.

(2) Charity:

The association has had long-term cooperation with relevant government departments to handle services for vulnerable families, such as children, youth, women, new immigrants, and elders. Examples include: training new immigrants to perform ox horn massage; Fa Yin Youth Wind Band training; long-term care class employment training; cooperation with social welfare groups, corporate clubs, campuses, etc.; and participation in public welfare affairs such as international cultural and artistic exchanges, and helping African children.



▲Image 29 / Fa Yin Youth Wind Band

(3) Cultural education:

The association regularly organizes Buddhism study classes; regularly conducts scholarship campaigns for different Buddhist institutes, colleges, high schools, junior high schools, and elementary schools in Taiwan to acknowledge their efforts in learning; leads members of Fa Yin Youth Wind Band to participate in children's summer camps as activity empowerment team captains; and carries out multicultural integration with new immigrants and their children, such as promotion of different major festivals, which enables people in Taiwan to learn more about festivals of Southeast Asia. For long-term empowerment, the association completed social welfare activities with senior citizens, newly-immigrated women, children and youth.

(4) Volunteer service:

Since the association's establishment in 1983, it has continuously invested in volunteer service work and deeply cultivated volunteers' educational empowerment. At present, there are 358 volunteers registered with the Ministry of the Interior; of these, 140 are volunteers in the regular case visit team. The other volunteers form different teams, empowering different professional services, including a medical team, a children and youth team, and a new immigrant team. The association has been honored with an Excellent rating in the National Social Association Performance Evaluation, and as a National Outstanding Social Welfare Volunteer Group. These honors all belong to the association's like-minded directors, supervisors and volunteers teams.

3. Vision for Future Development

The association established the Hsin-che Lian-chih Charitable Association in 1983; then in 2007, it was officially registered with the Ministry of the Interior and renamed the “Hsin-che Lien-chih Benevolent Association of Taiwan”. The association's goals are to promote the traditional virtues of compassion and saving others; help the poor in society; provide counseling and care to improve physical and mental health; establish correct outlooks on life; assist the government in handling charitable, public welfare, cultural, educational, employment training and other work; promote social stability and harmony; and purify

people's hearts. Through the preaching of Buddhism, the association promotes implementation of physical and mental purification of an individual and a group so as to integrate the academic and the popular; to shield and sustain the sangha to preserve the dharma, and cultivate nuns and monks in learning, to create an endless font for social purification; to effectively use social resources, and closely integrate with charitable associations, to improve service levels, and expand cultivation and service for spiritual counseling and skills; to carry out cultural and educational work, and to spread the dharma and Bodhi voice among all living things.

(II) Youngwater Culture and Education Foundation

1. Introduction

The Youngwater Culture and Education Foundation was established in 1998. In 2002, Taichung Taiping Toubiankeng Workstation was established. It engages in comprehensive community development and ecological rehabilitation of the 9/21 Earthquake Reconstruction Area, striving for the economic recovery of the Toubian community, improving local agriculture and community prosperity, and promoting the sustainable development of environmental education and ecological conservation. Based on care of the local people and culture, the foundation takes the concept of comprehensive community development as its starting point. Starting from what the foundation can do now, it continues to protect the living natural environment, unearth treasures of history and tradition, and engage in exchange with different cultural groups. The foundation frequently puts itself in the shoes of the vulnerable. With a mindset of exchange, it cherishes mutually supportive friendships and promotes cultural activities with social education. The foundation cultivates more seed volunteers,

to shape a sound natural environment with vibrant culture and history for the next generation.

2. Current Status of Sustainable Development Promotion

In 2004, the Youngwater Culture and Education Foundation proposed the Bat Cave Rehabilitation Project to re-create and beautify the surrounding environment. Efforts were made over ten years to restore a quiet bat habitat, and the magnificence of the bat cave was restored. Gradually, in 2014, bat colonies returned to their home, the bat cave, which once again became a community highlight. At the same time, the Youngwater Culture and Education Foundation planned the Bat Ecological Education Course to teach members of the public bat ecological conservation and environmental education and to enhance learned civic consciousness.

Chairman Yeh Jin-yu stated that over many years, Taiping Blue has been promoted and found its place in the world, with the support and selection of the

Ministry of Culture's National Taiwan Craft Research and Development Institute (NTCRI). Taiping Blue has been represented at Crafts Bangkok, Interiorlifestyle Tokyo, Maison & Objet Paris, Hangzhou Cultural & Creative Industry Expo, Sichuan International Travel Expo, Cross-strait (Xiamen) Cultural Industries Fair and other trade shows, and won glory for Taiwan by winning the Best Decor Award at the International Furniture Fair Singapore. Youngwater Culture and Education Foundation's years of consistent effort finally paid off and made a brilliant splash for the foundation.

The Youngwater Culture and Education Foundation has been in long-term cooperation with Dongbian Elementary School to plant the lost *Storobilanthes flaccidifolius* Ness. The foundation simultaneously provides a stable employment environment for women in communities and vulnerable groups, while maintaining the indigo dyeing craft and ecological beauty of Taichung's Taiping Blue both at home and abroad. The foundation has won unanimous praise from all people of walks of life and is known as the pride of Taiwan. It could be said that it was a well-deserved award.

Especially rare and commendable was the indigo dyed wall clock designed by Ms. Chiang Chieh-yu, a young Youngwater Culture and Education Foundation designer. The clock was elected as the year's Taiwan Good Craft by the NTCRI as well as the 2018 Golden



▲Image 30 / An international work camp cleans up uncultivated land and plants bluegrass

Pin Design Award. Taiping Blue has designed a series of new daily and household items. These items not only broke stereotypes most people hold about indigo dyed products, but also smashed the traditional thinking that traditional indigo dyeing can only be done on cloth. Taiping Blue astonished Japanese crafters during the Japanese exhibition. They were amazed at the fact that Taiwanese designers were able to create and design such eye-catching new products and showed their vast admiration.

3. Vision for Future Development

The Youngwater Culture and Education Foundation has been working hard for nearly 20 years in Toubiankeng, Taichung, from the reintroduction of bats and community development, to the recovery of the Taiping Hakka indigo dyeing community industry. Every stage was extremely difficult. However, Chairman Yeh Jin-yu led the team to keep moving

forward through the hard-headed spirit of the Hakka people, which finally yielded positive results. Under his lead, the Youngwater Culture and Education Foundation won an Environmental Protection Administration's National Environmental Education Award in 2016, a Ministry of Labor's National Talent

Development Award in 2017, and in 2018, won an Executive Yuan's National Sustainable Development Award. Every stage has represented the positive energy shown by all colleagues at the Youngwater Culture and Education Foundation in constantly striving for improvement and good work.

(III) Environment and Development Foundation

1. Introduction

The Environment and Development Foundation (EDF) was established in 1997, entirely through the support of the Industrial Technology Research Institute (ITRI). The EDF is a professional environmental organization that works in technology transfer. As of 2018, the Chairman of the Foundation was Professor Lo Shang-lien, the President was Dr. Chen Wen-ching, and Professor Chai Sung-lin was appointed the Honorary Chairman, while the former President Dr. Yu Ning served as senior consultant. The EDF's professional technical personnel all have engineering and science backgrounds, such as environmental engineering and chemical engineering. They are supplemented with administrative, information technology and financial personnel. The EDF maintains close cooperation with many professional environmental organizations, both at home and abroad. In addition, having the support of a large group of ITRI technical experts is one of the EDF's major features.

2. Current Status of Sustainable Development Promotion

The focus of the EDF is on the circular economy. The EDF carries out technical services entrusted to it by public and private enterprises, including industrial process improvement; source waste reduction, and energy and water conservation; development of resource regeneration technology; green product

verification; and promotion of green-energy and low-carbon cities (communities).

In terms of industrial energy and water conservation, the EDF has been assisting the industry to improve water consumption efficiency since 2013. The foundation has assisted more than 500 businesses that consume large amounts of water, saving more than 43 million tons of water annually. In terms of resource recycling technology, the EDF has promoted the development of recycled green building materials, and the use of energy and resources from kitchen and organic waste.



▲Image 31 / Promoting utilization of organic waste energy and resources

In terms of green energy and energy-saving technology, the EDF serves as a bridge between the central and local governments, assisting people and business owners in seeking opportunities for energy conservation and carbon reduction, and promoting low-carbon certifications for townships, villages and communities, while also cooperating with seven county and municipal governments to create sustainable, low-carbon, green-energy homes.

In terms of marks and verifications, the EDF has driven about NT\$70 billion worth of green product procurement opportunities every year, while maintaining international connections to show Taiwan's green competitiveness.

3. Vision for Future Development

The EDF was established in 1997 through the support of ITRI. It was initially established as a professional technical service team to promote environmental protection and economic development. In the mid-stage, the EDF focused on expanding the effective use of green energy and resources. In the long run, the EDF's long-term comprehensive development goal

is to become a government think-tank, an industry partner and a mentor to the public.

As a government think-tank, the EDF will actively assist in the development of relevant laws, regulations and policies, the establishment of green mark verification system, and the promotion of green procurement.

In terms of industrial service, the foundation will promote industrial development by guiding public and private enterprises in pollution rectification, energy saving and water conservation, and cleaner production technologies.

In terms of public education, the foundation will continue to lead communities to save energy and reduce carbon, and actively participate in public welfare activities. The EDF's development vision is completely consistent with the country's sustainable development goals: maintaining environmental justice, promoting economic development, and improving the people's welfare. The foundation will work together with government, industry and academia to allow Taiwan to become a sustainable homeland with low carbon, environmental protection and happiness.

IV. Government agencies

(I) Construction and Planning Agency, Minister of the Interior

-- the Demonstration and Promotion Scheme for Recycling and Reusing Discharged Water from Public Wastewater Treatment Plants and the Implementation Plan of the Forward-looking Water Reclamation Project

1. Introduction

The Construction and Planning Agency of the Ministry of the Interior (CPA) has worked diligently to promote the Demonstration and Promotion Scheme for Recycling and Reusing Discharged Water from Public Wastewater Treatment Plants, in order to add value to

the efficiency of sewage construction and to achieve water circular economy goals. After considering the sewage treatment plants meeting the effluent recycling conditions and evaluating nearby water consumption users with higher economic output value, the CPA listed six treatment plants as demonstration

sites. These were plants already in operation, including Futian Plant in Taichung City, Anping Plant in Tainan City, Fengshan River Plant in Kaohsiung City; and plants under construction, including Fengyuan Plant in Taichung City, Yongkang Plant in Tainan City, and Linhai Plant in Kaohsiung City. This work was promoted and executed in line with the Five-Stage Sewage System Construction Plan (2015-2020), with NT\$15.2 billion in funding provided by the Ministry of the Interior.

After the demonstration program was completed, it was estimated that the recycled output quantity of reclaimed water could reach 280,000 tons/day (equivalent to the daily water consumption of approximately 1.2 million people). The total required funding was NT\$15.1627 billion. In addition, to expand benefits from promoting reclaimed water, the Ministry of the Interior also infused NT\$1.3 billion of water reclamation funding through the Forward-looking Infrastructure Development Program to implement water reclamation construction for Taichung City's Shuinan Water Resource Recycling Center and Kaohsiung City's Linhai reclaimed water drawing pipeline construction, which were set to increase reclaimed water supplies by 33,000 tons/day. Doing so helped align project resources to accelerate local reclaimed water infrastructure and support regional development, while at the same time integrating sewage and reclamation treatment to comply with the goal of zero tap water increase for industrial use. This flipped the traditional mainstream reclaimed water provision strategies, in which cities' small storage reservoirs provide water. Instead, a stable and sustainable water source is provided, and by doing so, the project supported and implemented needs for reclaimed water construction in areas with shortfalls in water, while accelerating local reclaimed water infrastructure and supporting regional development.



▲ Image 32 / Residents took over and completed back alley beautification work

2. Current Status of Sustainable Development Promotion

The Demonstration and Promotion Scheme for Recycling and Reusing Discharged Water from Public Wastewater Treatment Plants (in the 2013-2020 period) was estimated to have a reclaimed water recycled output capacity of 280,000 tons/day (equivalent to the daily water consumption of approximately 1.2 million people) after completion. It is able to replace tap water supplies for industrial use, for a total required funding of NT\$15.1627 billion. In addition, to expand benefits from reclaimed water promotion and to align with Forward-looking Program resources, the Ministry of the Interior also infused NT\$1.3 billion in water reclamation funding through the Implementation Plan of the Forward-looking Water Reclamation Project (in the 2017-2023 period). This funding was used to conduct water reclamation construction of Taichung City's Shuinan Water Resource Recycling Center and Kaohsiung City's Linhai reclaimed water drawing pipeline construction. These two projects were set to increase reclaimed water supplies by 33,000 tons/day for Central Taiwan Science Park -- Taichung Park

and Linhai Industrial Park, and by doing so implement support for reclaimed water construction needs in areas with water supply shortages, and accelerate local reclaimed water infrastructure and support regional development.

3. Vision for Future Development

The purpose of this project is to promote the supply of public sewage treatment plant effluent for industrial use, to stabilize water demand during the dry season, and to develop water supply technology by establishing water reclamation plants based on different users' water quality requirements. At present, in addition to industrial park supply, the project also set a worldwide precedent for supplying water to the high-tech wafer industry. The project also conducted

the assessment of the overall environmental friendliness of whole sewage treatment plants and water reclamation plants, so that the sewage treatment plants can integrate forward-looking interests such as water technology and environmental education to create a sustainable water environment.

In addition to continuing to evaluate the feasibility of reclaimed water supplies with regard to the existing sewage treatment plants, in the future, the project will also subsidize local governments through sludge reduction and reuse projects. This will help Taiwan's sewage plants to gradually move toward the next phase, with the possibility of multi-faceted cross-domain added value, so as to achieve the vision of transformation and conversion, and meeting the forward-looking circular economy goals.

(II) Forestry Bureau, Council of Agriculture, Executive Yuan

-- From Farmland to Wetland: Satoumi Action in Chenglong Wetland

1. Introduction

In farmland ecosystems, the exploitation and transformation of farmlands for non-agricultural uses and the prevalence of conventional farming have destroyed the breeding grounds of many animals and plants that originally lived in the plains and outer mountain areas. At the end of 2009, the mass death of pheasant-tailed jacanas in Guantian, Tainan due to the mistaken ingestion of pesticide-treated grains led the Council of Agriculture's Forestry Bureau to develop a set of action plans that took both production and ecology into consideration. These plans, called the Farmland Ecological Conservation and Construction – Green Conservation Mark Certification project, assist

farmers to adopt environmentally friendly farming methods that do not use pesticides or chemical fertilizers. The Green Conservation Mark was also designed for consumer recognition to encourage consumers to purchase environmentally friendly agricultural products.

2. Current Status of Sustainable Development Promotion

(1) Society

Kouhu Township in Yunlin County faced population emigration and sparse population. In order to tighten



▲ Image 33 / Chenglong Community Development Association artwork Rebirth

relations between the generations, and to cultivate the villagers' ability to take care of community issues autonomously and participate in public affairs, several programs were implemented. These included: Youth Detectives; Junior and Senior High School Student Community Service Learning Program; Community Kitchen; Community Environmental Guide Training; and more. He Tang's Lo-kioh-tshu -- Chenglong Wetland Storytelling Hall was used as a demonstration for residential flood control in coastal and low-lying areas, senior-friendly spaces, and energy-saving green buildings. This has helped local residents

identify with the ideas of long-term ecological land retirement, and with the Chenglong Wetland Ecological Park.

(2) Environment

After many years of habitat restoration in Chenglong Wetland, birds increased from 28 families and 86 species in 2009, to 36 families and 118 species as of 2018. It was discovered in that year's January survey that more than 40 black-faced spoonbills chose to spend the winter in Chenglong Wetland. There were

also 17 species of fish, six species of shrimp, seven species of crabs, snails and shellfish.

(3) Economy

Promoting Non-groundwater Pumping Experimental Fish Farms; popularizing seawater ecological farming of Asian hard clams, whiteleg shrimp, and establishing the Chenglong Wetland Bird Zone Production Group to assist in co-branded marketing, and establishing a production and marketing cooperation model with the community were all carried out. The Chenglong Wetland Bird Zone Production Group is an organization formed by non-groundwater pumping farmers. The group is committed to cultivating quality salt ingredients with environmentally friendly methods to reverse setbacks and add value to local industry.

(4) Culture

- (a) Through implementation of the Chenglong Wetland International Art Project, the community has been brought closer to the wetland ecology, thus enhancing the community's understanding of and identification with ecology and environment.
- (b) Old houses in Chenglong Village were renovated, and primary gathering places and exhibition spaces for community activities were revitalized, so as to build consensus and unite the community's residents.
- (c) The Video Storytelling documentary workshop has cultivated the community's documentary abilities, through the theme of changes in Chenglong Village, extending to issues such as ecology, history and farming. The workshop has completed three community documentaries, as well as an outcome documentary for the Chenglong Wetland International Art Project.

3. Vision for Future Development

In Chenglong Village, Kouhu Township, Yunlin County, due to land subsidence and typhoons, the farmland was submerged under seawater. The fields gradually gave way to the sea and could not be cultivated for a long time. To find a future for this farmland, the Forestry Bureau focused on wetland ecology. Since 2005, the Forestry Bureau has subsidized Yunlin County Government to manage the Kouhu Township, Yunlin County Wetland Ecology Park Management Demonstration Project, using the concept of ecological land retirement subsidies to transform farmland into a wetland ecology park. In 2009, the Kuan-Shu Education Foundation was invited to join in the promotion of Chenglong Wetland Community Learning and Participation Project. This project uses the concept of Chenglong Wetland Three-Generation Classes to allow kids to bring their adults family members so that all can get to know the wetlands together. This has tightened the relationships between the generations, and guided industrial transformation toward environmentally friendly farming methods. The Chenglong Wetland International Environmental Art Project has been held since 2010. It has inspired the creation of art through a rich ecology, helped villagers to re-examine the value of Chenglong Wetland, connected people's feelings with the land, and developed an environmentally friendly living, production and ecological model.

(III) Bureau of High Speed Rail, Ministry of Transportation and Communications

-- Taiwan Taoyuan International Airport Access MRT Construction Plan

1. Introduction

The primary construction goal of the Taiwan Taoyuan International Airport Access MRT Construction Plan is to connect the nation's gateway (Taoyuan International Airport) with the important transportation hubs in northern Taiwan, namely, Taipei Main Station and Taoyuan High Speed Rail Station. Doing so provides passengers with fast express trains with few stops,

and value-added services such as in-town check-in and baggage check-in. Passengers can do pre-check-in and check their luggage at Taipei Main Station, then obtain a boarding pass. Another construction goal is to match urban development along the route and drive local prosperity, providing commuter trains that stop at all stations to serve commuters, thus balancing urban and rural development.



▲ Image 34 / High-pier viaduct in a water conservation zone

2. Current Status of Sustainable Development Promotion

The Airport MRT was a pioneer in green building planning of MRT systems in Taiwan. It obtained the first MRT station green building certification in Taiwan. Except for Taipei Main Station (A1) and Airport Terminal 2 Station (A13), which didn't need to obtain a green building certification due to their restricted base conditions, the other 19 stations all obtained a green building certification. The National Taiwan Sport University Station (A7) has even won the rare honor of certification as a silver-level green building.

During the construction phase, calculated in terms of just one construction target's carbon reduction over six years, this is equivalent to the amount of carbon reduced by 197 Da'an Forest Parks in a year. Considering there are a total of 10 construction items in the project, the carbon reduction is even more remarkable. In terms of carbon reduction during the operational phase, it is estimated that in 2034, the annual carbon reduction effect will be equivalent to one year of carbon reduction from 83 Da'an Forest Parks. From the beginning of the project until the end of October, 2018, there were an accumulated total of 36.2 million passengers, with average daily traffic of 62,033 passengers. The train had an on-time rate of 99.5% or higher, providing domestic and foreign passengers as well as the general public with safe, comfortable and convenient transportation service. In addition to meeting the needs of passengers entering and leaving Taoyuan International Airport and important locations along the route, the project also provides passengers with a greater diversity in mass transit transfer choices, and provides concrete contributions to relieving highway traffic congestion, reducing carbon emissions, reducing transportation energy consumption, and creating sustainable green living in Taiwan.

3. Vision for Future Development

The route of the Taiwan Taoyuan International Airport Access MRT Construction Plan is 51.03 kilometers in length, passing through ten administrative districts in three municipalities: Taipei City, New Taipei City, and Taoyuan City. There are 15 elevated stations and six underground stations, and two maintenance workshops in Luzhu and Qingpu. The project's construction cost was NT\$113.85 billion, and it started operation on March 2, 2017.

The Airport MRT connects the nation's gateway with the important northern transportation hubs of Taipei Main Station and Taoyuan High Speed Rail Station. In addition to providing passengers with fast transportation service, it is itself a form of green energy transport. Ever since the planning and designing stage, the Railway Bureau of the Ministry of Transportation and Communications has upheld the spirit of promoting energy conservation and carbon reduction, and specifically integrated environmentally friendly construction techniques, such as the use of the full-span precast launch method, cut bamboo-style caisson excavation method, double-o-tube shield tunneling method and steel bridging. In the follow-up construction phase, the project implemented environmental protection as well as energy conservation and carbon reduction policies. This was done in hopes of making valuable contributions to domestic environmental protection, and creating an airport access MRT system with that which is both sustainable and people-oriented.