

Table 1. Winners list for the 18th Golden Thumb Awards for Private Participation in Public Construction “Award for Private Team” Category

Private Institution	Project Submitted	Basis for Award
<p>[Silver Medal] Kao Ming Container Terminal Corp.</p>	<p>The Port of Kaohsiung Intercontinental Container Terminal Project, Phase 1</p>	<ol style="list-style-type: none"> 1. The project invests in the construction of container terminals and back-line facilities to resolve the large-scale container ship problems faced by Kaohsiung Port, collaborates with the offshore wind power national development policy, provides loading/unloading and storage services for the import and export of offshore windpower related parts, and transforms the Kaohsiung Port into a key shipping route relay station. 2. The container loading/unloading equipment is powered by electricity with an automated control station. The semi-automatic gantry crane operations can save time for moving containers in and out of the control station or detention yard, thus improving the overall loading/unloading efficiency. 3. With numerous ISO quality management system certifications, it is the first container terminal warehousing industry in Kaohsiung Port to obtain the “Safety Certified Quality Enterprise” certification, which has significantly improved the quality of services.
<p>[Silver Medal] Blue Whale Water Technologies Corporation</p>	<p>Private Participation in BTO (Build-transfer-Operate) Projects for Wastewater Reclamation and Reuse of Fengshan River Wastewater Treatment Plant, Kaohsiung City</p>	<ol style="list-style-type: none"> 1. As the first water recycling center with domestic sewage treatment and re-purification plant, it is designed to improve water quality in the vicinity of the Fengshan River. 2. The water reclamation plant began operations as scheduled to ensure the quality of reclaimed water supply and improve the flexibility for regional water dispatch. 3. The project establishes a water science and technology education hall, acquired the silver-level qualification for green building mark, creates a multi-purpose water

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		resources environmental education park, protects water resources, and promotes environmental education.
<p>[Silver Medal] East Forest Development Enterprise Co., Ltd.</p>	<p>Yilan Luodong Area Sewer System Construction and Operation Transfer Project</p>	<ol style="list-style-type: none"> 1. In addition to being a demonstration system, it is also the first sewer system handled via BOT participation promotion. 2. The project increases public sewer penetration rate, improves the water quality of Dongshan River Basin, successfully handles the tourist night market sewage pipe system, and effectively improves environmental sanitation. 3. The project has obtained the carbon footprint label and environmental education facility site certification and meets the sustainable development objectives.
<p>[Bronze Award] Howard Civil Service International House</p>	<p>The OT Project of CSDI Facilities Management and Operation</p>	<ol style="list-style-type: none"> 1. The project promotes environmentally friendly accommodation and provides high-quality conference as well as catering and accommodation services according to the government's energy conservation and carbon reduction policies. 2. In addition to creating job opportunities, it gives back to local residents with discounted dining and facility usage, establishes care suites for the disabled, and fulfills social responsibilities.
<p>[Bronze Award] I-Mei Gourmet Supplies Corp.</p>	<p>The Rehabilitate-Operate-Transfer Case of Living Plaza in Taipei Veterans General Hospital</p>	<ol style="list-style-type: none"> 1. Managed with a people-oriented philosophy, the Plaza organizes art and cultural activities, creates employment opportunities, establishes inspection mechanisms for food safety, and improves service quality for medical catering spaces. 2. The project adopts numerous energy-saving measures to create green and friendly environments, assists disadvantaged groups, provides charitable resources, and fulfills social responsibilities.

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<p>[Bronze Award] Guanwu Villa Co., Ltd.</p>	<p>Operation Transfer Project for Guanwu Villa</p>	<ol style="list-style-type: none"> 1. The project integrates ecological recreation, sports health, and environmental education to provide backpacker rooms, free guided tours, and mountain climbing & trail-related real-time information. Different accommodations are provided, taking various needs into account to improve the overall local tourism quality. The efforts have won the “Bronze Eco-friendly Hotel Mark” and “Silver Eco-friendly Hotel Mark” certifications. 2. The project assists with neighboring forest protection as well as emergency help and rescue, established crisis incident handling procedures, purchased private fire water trucks, adopts forest road reflective mirrors, and improves forest area traffic safety. 3. For employing a high ratio of indigenous people, the project was recently awarded the silver medal for Excellent Indigenous Ethnic Manufacturer.
<p>[Bronze Award] SANITAS HEALTH MANAGEMENT CO., LTD.</p>	<p>Operate-Transfer Project of Taipei Beitou Medical Tourism and Health Care Center</p>	<ol style="list-style-type: none"> 1. The project promotes medical tourism services using the vacation concept; integrates medical tourism treatment, health care, local culture, and ecological tourism resources; and creates a health management platform. 2. By creating an operating site health management and audit system, establishing a medical quality and customer safety committee, and formulating standard operating procedures, the Health Care Center provides free 4-cancer screening services, obtained multiple quality management certifications and awards at home and abroad, and promotes medical tourism services in Taiwan.

Table 2. Winners list for the 18th Golden Thumb Awards for Private Participation in Public Construction “Government Agency Award” Category

Government Agency	Project Submitted	Basis for Award
<p>[Gold Medal] Bureau of Transportation, Tainan City Government</p>	<p>Tainan City Roadside Smart Parking System Build-Operate-Transfer</p>	<ol style="list-style-type: none"> 1. The first smart roadside parking billing system was undertaken via participation promotion. It incorporates technical management to resolve the insufficient manpower problem, promote management efficiency, and enhance parking space utilization and turnover rates. 2. The project establishes a test site to collect parking space utilization rate and turnover rate information for testing and successfully attract investments from the private sector. Using a webpage and APP to provide real-time parking space information, the system introduced multiple payment mechanisms to save payment time and provide smart and convenient parking services. 3. By coordinating inter-agency land acquisition and construction methods, the agency assisted private organizations to remove implementation plan obstacles.
<p>[Silver Medal] Yilan County Government</p>	<p>Project of the Yuanshan Park Hot Spring Resort (BOT)</p>	<ol style="list-style-type: none"> 1. The project conducts the household wastewater into the water resource recycling center for treatment and releases treated water to improve the water quality of adjacent rivers and sea areas, improve the residents’ quality of life, and enhance the sewer penetration rate. 2. An explanatory meeting was held before the sewer construction to enable residents to understand the policy purpose, integrate public opinion during the construction period, and increase the users’ willingness to take over. 3. The agency assisted the private sector to coordinate with the authorities responsible for pipeline relocation and issuing road permits, and remove plan implementation obstacles.
<p>[Silver Medal] Water Resources</p>	<p>Private Participation in BTO</p>	<ol style="list-style-type: none"> 1. The first demonstration water reclamation plant in the nation was created with the promotion of

Government Agency	Project Submitted	Basis for Award
Bureau Kaohsiung City Government	(Build-transfer-Operate) Projects for Wastewater Reclamation and Reuse of Fengshan River Wastewater Treatment Plant, Kaohsiung City	<p>construction in the form of paid BOT. The project supplies water to the Linhai Industrial Park users, boosts water conservancy related industries, promotes water conservancy industry development, and improves sewer construction efficiency.</p> <ol style="list-style-type: none"> The water released from the water resources center is used effectively, thereby achieving sustainable water resource development, saving tap water supply, and facilitating water resources dispatch. By listing sludge disposal as a government commitment to attract investment from the private sector, the agency actively coordinated with various agencies to help the private sector to remove plan implementation obstacles.
[Silver Medal] Freeway Bureau MOTC	National Freeway No. 3 Qingshui Service Area OT Project	<ol style="list-style-type: none"> The project uses the concepts of “civilian dining” and “social feedback” to lower the royalties and guide the commodity price downward, and provides reasonable financial planning in order to achieve the "same city same price" policy for goods in the service area. For the first time, a sister service area agreement was coordinated between Taiwan and Japan, introducing the first national highway Japanese gourmet produce hall, and promoting exchange opportunities between Taiwan and Japan. The agency coordinated with various agencies and assisted private organizations to pass the fire safety equipment completion inspection, etc. During the severe and special infectious pneumonia epidemic period, the agency actively drafted relief measures to assist the private sector to weather the impact of the epidemic.
[Bronze Award] Ministry of Education	The Operate-Transfer Project of Kaohsiung International Youth Hall (Education Culture Hotel)	<ol style="list-style-type: none"> The Youth Hall is the first clubhouse registered as a hotel business by the authority-in-charge under the “Act for the Development of Tourism.” The royalties are used to inject the academic-industry-funded resources to support the disadvantaged students,

Government Agency	Project Submitted	Basis for Award
		<p>achieving the policy goal to promote academic-industry funds.</p> <p>2. Several investment promotion seminars and project site visits were organized, and private investment was acquired based on the promotion of “accommodation and public welfare”. The agency coordinated housing tax exemption for private organizations before operations start and removed implementation plan obstacles.</p>
<p>[Bronze Award] Hsinchu Forest District Office, Forest Bureau, Council of Agriculture, Executive Yuan</p>	<p>Operation Transfer Project for Guanwu villa</p>	<p>1. Due to operation suspension caused by typhoon disaster as well as tender failures, the catering and accommodation facilities of the Villa were merged to successfully attract investment under the Act for Promotion of Private Participation in Infrastructure Projects. In this project, the royalty mechanism and disaster risk-sharing principles were reasonably planned out to actively activate facilities, improve the quality of accommodation and catering services, and successfully develop local eco-tourism.</p> <p>2. The agency coordinated with various agencies to complete the Taiwan Tourist Shuttle Guanwu Line, improve the outgoing roads, and enhance traffic safety and convenience in order to achieve environmental protection, energy conservation, and carbon reduction.</p>
<p>[Bronze Award] Yilan County Government</p>	<p>The Yuanshan Park Hot Spring Resort (BOT) Franchise Agreement</p>	<p>1. The project integrates tourism resources in Yuanshan Township and adjacent areas to drive local prosperity and promote the tourism industry development.</p> <p>2. The agency obtained the hot spring water rights for the base, helped to coordinate the demolition of existing facilities and Taipower electricity poles construction, and enhanced investment incentives.</p>
<p>[Bronze Award] New Taipei City Government High Riverbank</p>	<p>New Taipei City SanChong District Tamsui Riverside Highland (OT)</p>	<p>1. The project provides good sports recreational environment and convenient parking spaces to relieve the parking pressure in urban areas, and protect river safety and public interest via flood prevention using typhoon warning</p>

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Construction Management Office		<p>notification SMS.</p> <p>2. The agency coordinated the relevant agencies to open the red and yellow line curbs for parking in urban areas during a typhoon and heavy rain, and remove plan implementation obstacles.</p>

Table 3. Winners list for the 18th Golden Thumb Awards for Private Participation in Public Construction “Consultant Team Award” Category

Consulting Institution	Project Submitted	Basis for Award
<p>[Silver Medal] Urbanet Consulting Group</p>	<p>Tainan City Roadside Smart Parking System Build-Operate-Transfer</p>	<ol style="list-style-type: none"> 1. The project provides a plan for a private parking fee collection agency and transfers the funds to the authority-in-charge. The authority-in-charge approves the commission service fee after settlement and calculates the commission service fee using a bracket method to prevent overpayment. 2. The agency assisted in supervising the parking data analysis platform implementation by private institutions to serve as the basis for the authority-in-charge to formulate parking policies, coordinate inter-agency construction methods, and establish inconvenient road sections in order to effectively plan parking spaces and remove plan implementation obstacles.
<p>[Bronze Award] STANTEC CONSULTING SERVICES INC., TAIWAN BRANCH (USA)</p>	<p>Private Participation in BTO (Build-transfer-Operate) Projects for Wastewater Reclamation and Reuse of Fengshan River Wastewater Treatment Plant, Kaohsiung City</p>	<ol style="list-style-type: none"> 1. The project utilized the paid BOT method to amortize the construction costs in installments within 3 years after the construction completion, and amortize the operating costs according to the age and water volume in order to reduce the interest expenses of the authority-in-charge. 2. In addition, the project inspects the effectiveness of the biological treatment system and anaerobic digestion tank of the sewage treatment plant, reduces the water reclamation plant's module loads. The water reclamation plant is inspected, and the relevant data is analyzed to establish an anomaly deviation range standard. The inspection of the compliance of the interception station with standard operating procedures eliminates the public's doubts about water pollution, and achieves the supervision and management objectives.

Table 4. Winners list for the 18th Golden Thumb Awards for Private Participation in Public Construction “Public Welfare”

Private Institution	Project Submitted	Basis for Award
Guanwu Villa Co., Ltd.	Operation Transfer Project for Guanwu Villa	<ol style="list-style-type: none"> 1. The project assists with neighboring forest protection as well as emergency and disaster relief, adopts forest road reflectors as well as neighboring recreational trails and water source areas, and improves traffic safety for forest areas. 2. For employing a high ratio of local and indigenous people, the project received the silver medal for Excellent Indigenous Ethnic Manufacturer in September 2020, and fulfills its social responsibility.