

Taiwan International Ports Corporation EcoPorts Certification



For more Information



TIPC

No. 10, Penlai Road, Gushan District, Kaohsiung 804
☎(07)521-9000



Keelung Branch of TIPC

No.1, Chung-Cheng Road, Keelung 202
☎(02)2420-6100



Taichung Branch of TIPC

No.2, Sec. 10, Taiwan Blvd., Wuqi Dist., Taichung 435
☎(04)2656-2611



Kaohsiung Branch of TIPC

No.62, Linhai 2nd Road, Gushan District, Kaohsiung 804
☎(07)561-2311



Hualien Branch of TIPC

No.66, Hai-an Rd., Hualien City, Hualien 970
☎(03)832-5131

Please visit our website for more information.



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TIPC, Ltd.

The port company actively promotes the green port measures. In 2017, the nation's seven major ports have all successfully obtained the ESPO EcoPorts certification. This shows TIPC's effort in building a friendly port environment and bridging international standards.



2

Port of Keelung

Port of Keelung replaced diesel straddle carriers with electric rail-mounted gantry cranes. This reduced air pollution emission by about 54.6%.



Port of Suao

The Solar Power System at Port of Suao generates 2.22 million kWh of electricity annually, saving 1,200 CO₂ which is equivalent to a carbon sink 3 times of a Da'an Park.

Port of Taipei

The Port of Taipei was created through land reclamation. Its reclamation not only resolved the waste issue from earthwork projects, but also added precious land resources to Taiwan.



Port of Taichung

Port of Taichung replaced high-pressure sodium gas lamp switch LED lamps. The estimated reduction in annual electricity usage is 220,000 kWh, which also abates 117.2 tons of CO₂.



4

Port of Kaohsiung

Port of Kaohsiung installs roof top solar panels. The total capacity of the solar power system reached 3.12 million kWh in 2017, reducing 2,698 tons of CO₂ annually.



Port of Anping

Port of Anping has a designated area for mangrove forest preservation. The preservation zone is 4.6 hectares and a beautiful waterscape for the local environment.

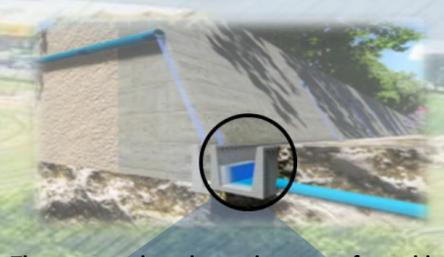


The 4.6-hectare mangrove forest

5

Port of Hualien

To fully utilize water resource, Port of Hualien collects water using gravity and terrain height difference. Collected water used for landscaping, toilet use, dust suppression sprinklers, and spray at car wash facilities.



The grave and mudstone layers are favorable for water filtering



Water collection system



No. 2 Water Bank (Scenic Pond)

Annual water reduction is about 375,000 tons. This project receives 1st place of the Executive Yuan's Innovative Application Awards.



Using recycled water for building cooling



Landscape maintenance

Taiwan International Ports Corporation EcoPorts Development Timeline



2016.9—Kaohsiung

Sizihwan Shipwreck incident

Major typhoon Meranti rampaged southern Taiwan. Four fishery boats were stranded at Sizihwan after the typhoon, and Port of Kaohsiung took immediate actions to restore the scene.



2016.10—Kaohsiung

First time completing certificate renewal

Continued EcoPorts effort and received certificate renewal in Oct 2016.

2017.10-11—Suao & Anping

Receive EcoPorts Certification for the first time

Port of Suao developed green industry and installed Asia's the largest thin-film solar factory.

Anping achieved the mangrove ecology transplant project and became the most well-established rehabilitation program in Taiwan.

2017

2016.11—Taipei & Hualien

Receive EcoPorts Certification for the first time

Port of Taipei advised a wharf tenant to install enclosed warehouse to improve port air quality and port tidiness.

Port of Hualien constructed the outer ring road box culvert to abate the traffic impact on the local neighborhood.

2017.10-11—Keelung & Taichung

Complete certificate renewal for the first time

Continuing their sustainable port development and environmental awareness efforts, Port of Keelung and Taichung renewed EcoPorts certificate for the first time.



2018.11—Taipei

Green Port Award System

Port of Taipei received invitation from the Asian Port Service Network (APSN) to attend and accept the first Green Port Award for Taiwan on the APSN 2018 Council Meeting.

2013

2013.1

Initiating EcoPorts Certification

Began EcoPorts certification.



2013.10

Green Port Development Forum

TIPC cohosted the "Green Port Development Forum" with the Ministry of Transportation and Communications.

2014

2014.9

Green Port Achievement Exhibition Ceremony

The "Green Port Achievement Exhibition Ceremony" demonstrated TIPC's accomplishment in Green Port Development



2014.10—Kaohsiung

Receives EcoPorts Certification for the first time

Became the first port to receive this recognition in the Pacific Asia region.



2015.10—Keelung & Taichung

Receive EcoPorts Certification for the first time

Keelung installed a 24-hour automatic and consecutive instruments.

Taichung installed solar panels and wind mills to generate renewable energy, reducing 57,000 tons of CO₂ annually.

2015.7

Implementing the Vessel Speed Reduction (VSR) system

The VSR system was implemented to verify the performance of the VSR policy.



2015

2016

2016.8—Keelung

Install new equipment

The electric rail-mounted gantry cranes officially came online to ensure port environmental quality.

2018

2017.12

EcoPort Awards Ceremony

Celebrated all 7 ports for receiving EcoPorts certificates.

2018.2

Vessel Speed Reduction

The vessel speed reduction program achieved 90,000 ton carbon reduction by 2018.

2018.10—Kaohsiung, Hualien & Taipei

EcoPort Recertification

Kaohsiung completed certificate renewal for the 2nd time, while Hualien and Taipei completed certificate renewal for the first time