National Freeway Bureau, MOTC, Taiwan, R.O.C.

Program for Transition to Distance-Based Electronic Toll Collection on Taiwan's Freeways



Old days....Congested Toll Plazas





Why does Taiwan need an ETC?



National Freeway Bureau, MOTC, Taiwan, R.O.C.

Implementation

BOT(Build-Operate-Transfer) Project

- ■20-year contract: ends on Dec 21, 2025
- Far Eastern Electronic Toll Collection Co., LTD. in charge of construction & operation

Two-Phased Implementation



National Freeway Bureau, MOTC, Taiwan, R.O.C.

100%

ETC Usage



System Performance

99.7% Detection Accuracy

99.7% of vehicles can be correctly detected.

99.97% Tolls Collectable

 99.97% of detected vehicles can be identified (eTag or image) and their tolls are collectable.

99.3% Automation

99.3% of 14-million Daily Transactions are automatically processed.



Benefits of ETC

30 minutes

80M

US\$

Traveling time saved from northern to southern Taiwan.

 Cost saved from reduced energy and carbon per year.

122 Taipei 101s

 Accumulated height of saved tickets per year.



Achieving World's No.1s



The First Country to implement AETC on entire freeway network

The First Country to transform into distancebased ETC system

The Longest ETC length (926km) in the world