

FIGHTING CONGESTION IN BANGKOK

Electronic Toll Collection

Q-FREE_CASE_BANGKOK



4. Bangkok

The tolling system plays an important role in helping the Expressway Authority finance its future roadbuilding programmes, in this city of over 10 million people where private vehicle usage continues to outstrip infrastructure development.

SOLUTION

Q-Free worked closely with the Expressway Authority and devised a high-performance toll collection system capable of integrating two different platforms and handling future migration to full ETC operation in the future. EXAT uses Q-Free's CEN DSRC On board Units (OBUs).

Q-Free quickly achieved a good working relationship with the Expressway Authority, crucial in a society where successful business necessitates a solid basis of trust. This resulted in the delivery of the project on time and in line with requirements.

Q-Free was in 2009 awarded a new contract in Thailand with Bangkok Expressway Company Limited (BECL) to implement a Manual and Electronic toll collection system to help ease traffic congestion in Bangkok.



In 2008, Q-Free Thailand was awarded the contract to supply and install a state of the art tolling system for the Bangkok Expressway. It is the first automatic electronic toll system to be installed in Thailand, and will be fully integrated with Bangkok's existing manual tolling systems. The solution will go live in 2009 and included a complete Back Office System.

CHALLENGE

The Expressway Authority of Thailand (EXAT) wanted a system that could not only provide high reliability and accuracy under heavy traffic conditions, but also easy migration from manual to fully automatic electronic toll collection (ETC) in the future.

FAST FACTS

NAME OF CUSTOMER
Expressway Authority of Thailand (EXAT)
COUNTRY
Thailand
COMPLETION DATE
August 2009

FOR MORE INFORMATION

SALES DEPARTMENT
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ROADSIDE SOLUTION

THE ROADSIDE SYSTEM CONSISTS OF
Vehicle Detection and Classification System (VDCS)
Electronic Identification System (EIS)
Roadside Controller (RC)

BACK OFFICE

THE BACK OFFICE CONSISTS OF
Plaza System with Real Time Monitoring (RTM) and Digital Video Recorder (DVR)
Headquarter (HQ) with Video Retrieval System (VRS) and Database Computer System (DCS)
Central System