

# Ambersoft – Stormwater Management And Road Tunnel

Design, develop and implementation of Emergency Phone, Long Line Public Address, Digital Voice Announcement, Local Public Address and Audio Logging systems for the SMART Tunnel Project



## Project

SMART Tunnel Project

## Client

inCONTROL TECH

## Location

Kuala Lumpur, Malaysia

## Contract Period

12 months

## Award Date

April 2006

## Project Overview

The Stormwater Management and Road Tunnel (SMART) project consists of a tunnel approximately 10km in length, a holding pond and an attenuation pond to provide flood relief from the Klang river and the Ampang river. The centre section, which is approximately 3 km in length, is designed to be a dual purpose tunnel carrying traffic during periods when the main tunnel is not used for flood control.

Network Integrated Telephone, Emergency Phone and LLPA Systems were required to provide Passenger Information and operations within the SMART tunnel.

## The Solution

Integrated Communications system provided the tunnel operators with Emergency Telephone, Long Line Public Address, VoIP Telephony, Digital Voice Announcement, Audio Monitoring & Logging services, together with integration into the SCADA Monitoring System.

The system is distributed throughout the tunnel with centralised server components installed at the Motorway Control Centre and the remote components of the equipment installed at the 19 Cross Passages within the Tunnel.

## The Result

Integrated Communications system was delivered on schedule in time for the opening of the tunnel scheduled for March 2007.

The integrated solution provides the tunnel management team with a robust communications solution which is easily utilised through the SCADA control system.