Traffic Control Centre

Part of the ITIS scope involved the complete refurbishment of a new Traffic Control Centre (TCC) located in City Hall Kuala Lumpur headquarters.

The TCC currently controls and operates the adaptive urban traffic control system as well as high level camera surveillance of major roads within the city.

Various facilities within the TCC are replicated from the TMC such that the two centres are able to arbitrate control over many of the common systems seamlessly. The TCC – TMC architecture is a demonstration of a functional cooperative arrangement between two independent remote sites having different jurisdictions.

The TCC and the TMC are connected via dedicated leased lines, similar to the star network architecture employed in the linking of centre to roadside communications. The TCC and TMC in concert with associated roadside equipment form a wide area network creating a platform for almost unlimited data exchange between the two systems.

ITIS Future Applications

ITIS is a first step towards the long-term deployment of regional Intelligent Transport Systems (ITS) in the country. ITIS provides the initial platform of services comprising Advanced Traffic Management System (ATMS) and Advanced Traveller Information System (ATIS). It is envisaged that given sufficient maturity, various additional ITS services, both through public and private initiatives, will be created. The immediate services will likely be telematic applications related to route guidance, real-time traffic advisory, commercial vehicle operations, computer aided dispatch systems and advanced public transport systems.

Improved safety / rescue operation

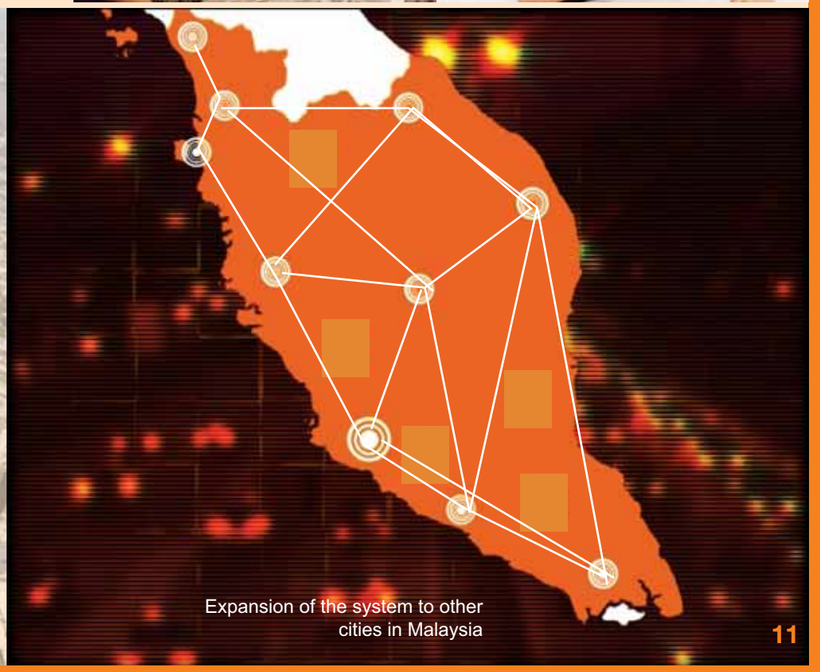
Radio

Car navigation system

Personal Digital Assistant (PDA)

In the near future, data may be obtained via various communication tools such as radio, mobile phones, Multimedia Messaging Service (MMS), Short Messaging Service (SMS), Personal Digital Assistant (PDA), navigators and others.

In line with the vision for the Transport Management Centre to be a centre of research excellence, significant data mining is also expected to be done by various research institutions, private consultancies and public think tanks to create a large knowledge pool of traffic engineering and transport planning.



Expansion of the system to other cities in Malaysia