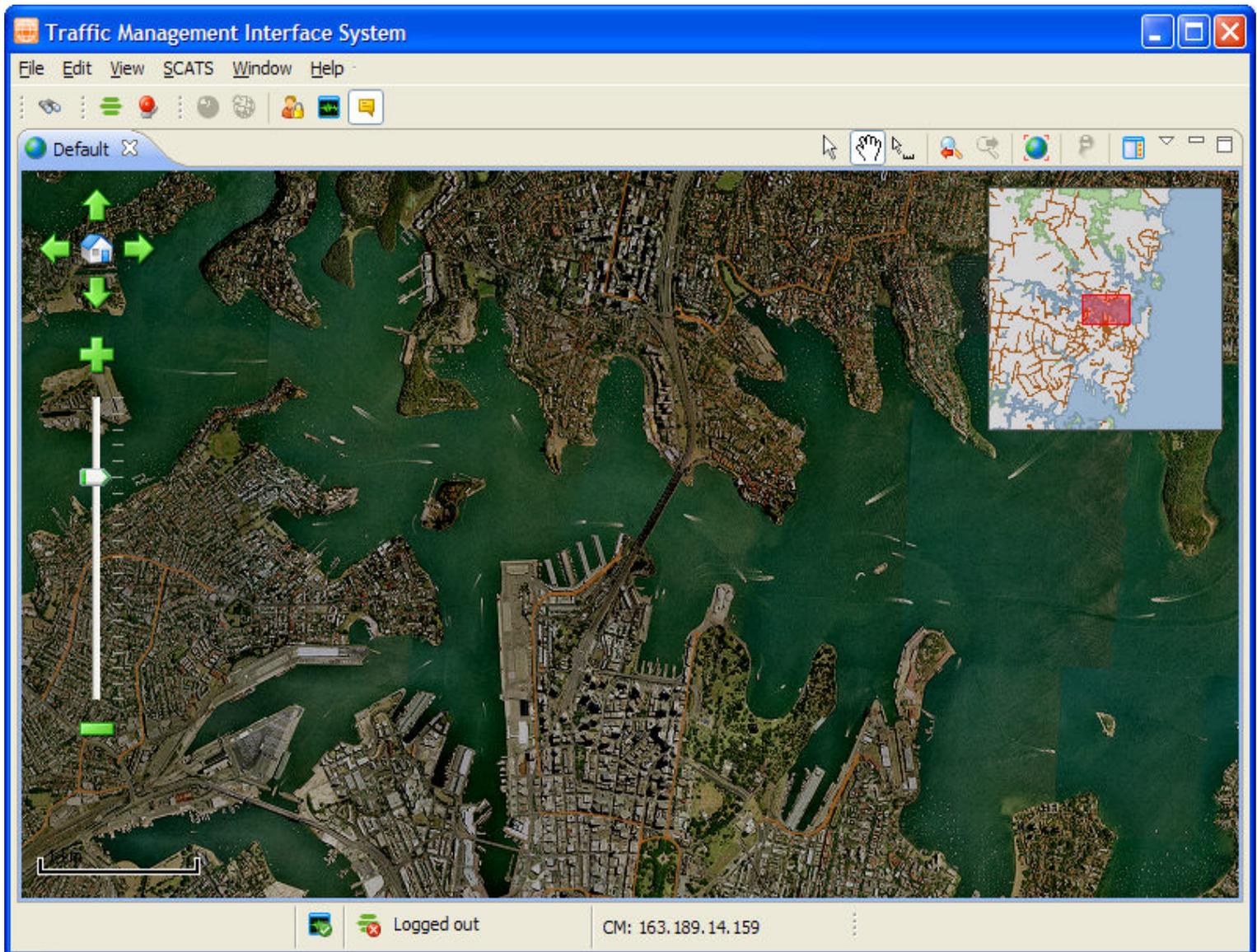


TMIS

Traffic Management Interface System



The Traffic Management Interface System (TMIS) combines SCATS and traffic related information into a uniform, spatially-oriented view of traffic and operations on the road network.

Overview

The Traffic Management Interface System (TMIS) is a real-time, map-based graphical user interface that brings together a wide range of SCATS-related traffic functions.

TMIS allows an operator to take an area-wide view or zoom in for more detail, access information on all assets, view traffic congestion, apply traffic signal dwells and even do a point-and-click 'green light run'. All this is managed via a single, layered screen that maximises operator productivity and reduces the stress of running multiple independent systems.

Map

The TMIS map provides a spatial view of the road network. The map can quickly be customised by panning, zooming and showing or hiding layers.

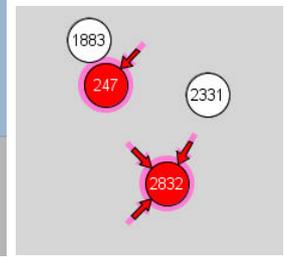
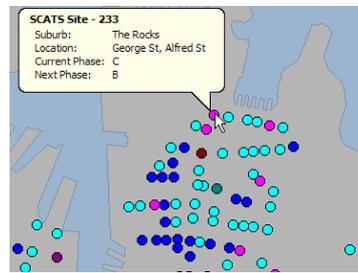
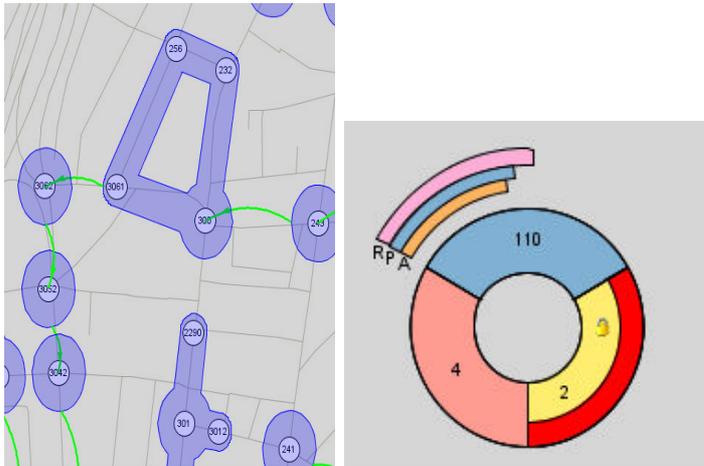
As you zoom in to the map, more detailed information is shown. The map is icon based, so it only takes a glance to see how the network is performing in the visible area.

Traffic management

TMIS integrates with SCATS to provide layers that show SCATS site status. In addition to geographic layers, SCATS-related layers include:

- Site status:
 - Phase, Dwells Lamp status
 - Congestion, Unusual Congestion
 - Degree of Saturation
 - Site Plan status
- Subsystem status:
 - Marriages, Divorces
 - Subsystem Plan status

A number of these layers allow an authorised user to manage the state of the site from the map. For example, the dwell layer allows an authorised user to apply a dwell to a site.



Map-based application platform

TMIS supports a base platform for other SCATS products that particularly use a map-based user interface. For example TMIS provides the framework for the Roads and Traffic Authority's Public Transport Information and Priority System (PTIPS).

This common application platform maintains a common user interface for map related tasks. This also allows users to easily switch between TMIS and PTIPS with minimal effort.

Technology and System requirements

The TMIS software is built using Java™, Eclipse™ and OpenMap™ technologies. It is designed to run on Microsoft Windows®. The software consists of:

- **Client** – the GUI (graphical user interface) application. Each end-user of TMIS will require a client installed on their PC/workstation with Microsoft Windows XP, 2Ghz CPU, 2Gb RAM, 1Gb disk space, and high resolution monitor.
- **Server** - software components installed on one or more server machines. The main control centre for collation of traffic information which is then published to connected TMIS clients. Requires Microsoft Windows XP, 3Ghz CPU, 2Gb RAM, 1Gb disk space and USB port. The server component also requires SCATS (version 6.7.1 or newer) to obtain live data.

The server requirements support up to 30 concurrently running TMIS clients. The specifications can be scaled up to accommodate more users.

Map based data must be obtained separately based on data specifications provided in a TMIS release.



For further information:



Roads and Traffic Authority of New South Wales
Traffic Management Branch
PO Box 1927
Strawberry Hills NSW 2012
Australia



+61 2 8396 1602



+61 2 8396 1600



scatshelp@rta.nsw.gov.au