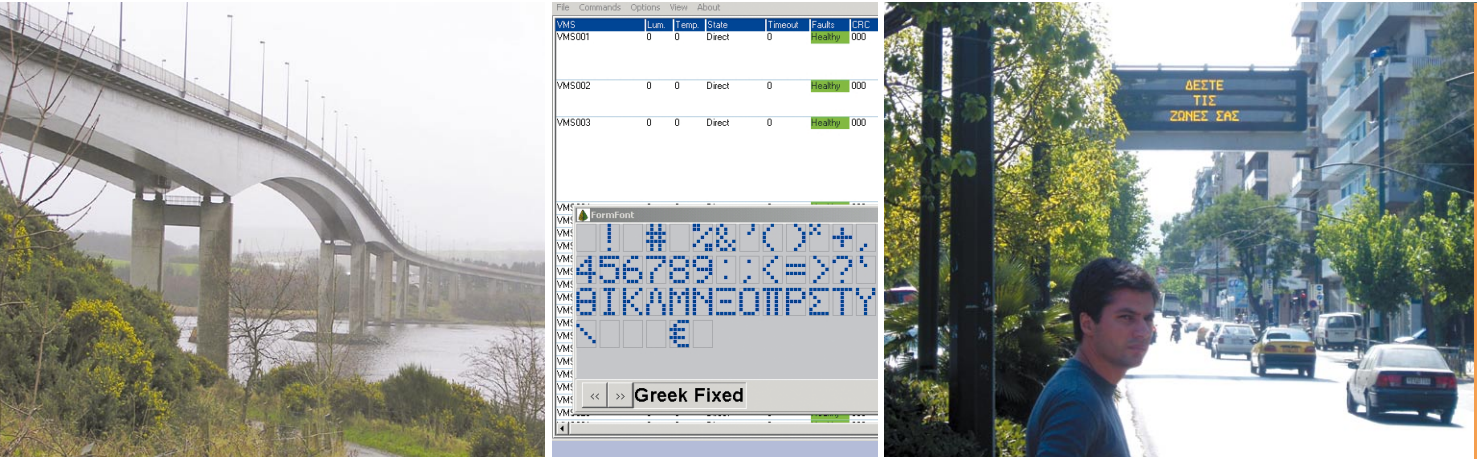


TRAMS SOFTWARE



TRAMS is a Windows® based software package designed to configure and tune bespoke solutions to meet specific traffic management needs

TRAMS is our Windows® software System Integration package that works with clients' servers, tablets and standard desktop PCs easily enabling Variable Message Signs to configure and tune bespoke solutions to meet specific traffic management needs.

TRAMS provides clear and concise information to aid network capacity optimisation. It is suitable for an extensive range of applications including UTMC, Car Park Guidance, Bay Monitoring, Driver Information and Bridge Management Systems and it controls most roadside equipment.

Bespoke solutions

- Flexible and varied communications
- Applications include:
 - UTMC
 - Car Park Guidance
 - Driver Information
 - Bridge management systems

Complete system integration with:

- Variable message signs
- Access control
- Bus-lane violation monitors
- Pollution/weather monitors
- Car park information
- Over height vehicle detectors
- MIDAS vehicle detectors

TRAMS SOFTWARE

KEY FEATURES

Car parking vehicle counting:

- Collect car parking vehicle counts
- Ability to change maximum capacity of car parking in TRAMS
- Ability to change vehicle count of car parks in TRAMS
- Automatic control of car park message signs
- Auto-recalibration of car parking vehicle count at a pre-set time to a pre-set value.

Message signs:

- Quick two-button press message setting
- Control car parking variable message signs
- Manual car park message sign override
- Control standard NMCS2 Motorways/Trunk Road variable message signs
- Run time tabled messages
- Automatically set messages on outer city VMS with messages dependent upon car parking status
- Set more than one message from a pre-set plan
- Bitmap image download for Pegasus VMS.

Car park areas:

- Group car parks into "car park areas"
- Collect statistics for a car park area
- Have a message on a car park sign dependent upon a car park area.

Polling frequency:

- Polling of car parking equipment is time tabled so that at expected busier 'delta' periods, the equipment can be polled more frequently and at other times less frequently.

Password protection:

- Give operators individual passwords
- Different levels of operation depending on authorisation.

Fault indication:

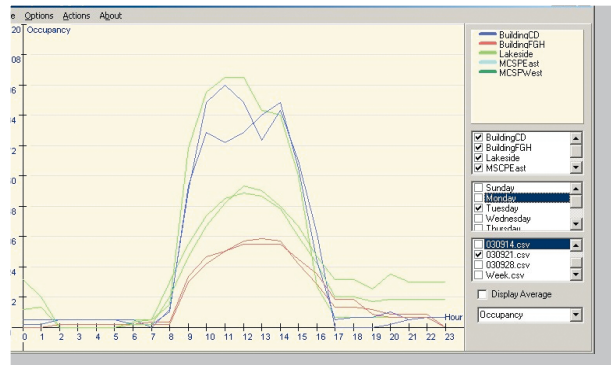
- Faults categorised by level of urgency
- Time and date stamped
- Numerical fault identification.
- **Fault Indication:**
- Faults categorised by level of urgency
- Time and date stamped
- Numerical fault identification

Log events:

- Log faults, operator actions, communications, and parking

Communications:

- Communication using NMCS2/SNMP protocols
- Extended NMCS2 communication to car park counters
- Facility to implement further protocols
- Mix or choose between Free Radio (limited range), Vodafone Paknet PSTN (telephone) or RS485, GPRS.



Statistics:

- Weekly occupancy levels per hour for each car park
- Graph car park statistics by week or day
- Compare car parking levels by generating graphs of all car parks by week or day on the same chart
- Graph average occupancy per week for a car park
- Car parking occupancy, vehicle count, status, car park capacity is logged so that the data can be analysed.

TRAMS display:

- Full colour display
- Easy to add new screen displays
- Easy to move equipment displayed on screen
- Easy to add new equipment to the display
- Remote access via web interface.

Configuration:

- Ability to add new equipment to the system
- Add new sign messages
- NMCS2 upgradable to UTMIC.

Operator alerts:

- SMS and email automatic alerts of system activity for operators.



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