Automatic Vehicle Location System (AVLS)

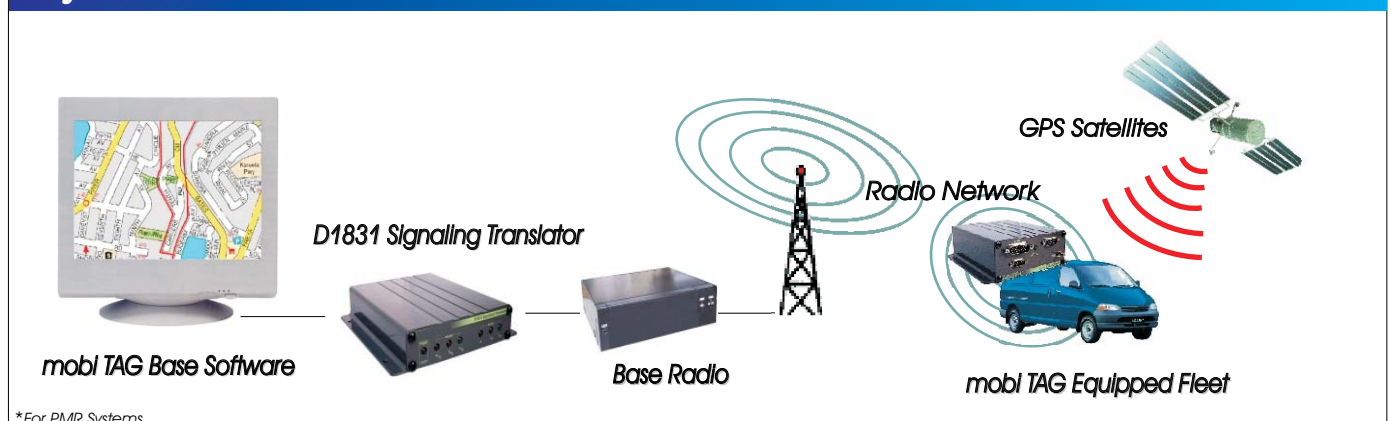# mobiTAG II ™

- Efficient deployment of emergency services vehicles

- Continuous monitoring of expensive cargo

- Effective fleet management

All this is possible using SMC's *mobi*TAG **II** AVLS equipment to track your vehicles.

System Architecture

GPS Satellites

Radio Network

D1831 Signaling Translator

mobi TAG Base Software

Base Radio

mobi TAG Equipped Fleet

*For PMR Systems

G4560 - Base Software Pack

- Poll any vehicle for current location and status (inputs)
- Poll any vehicle for speed and heading
- Remote activation of selected vehicle functions (outputs)
- Search for vehicle(s) by status
- Search for vehicle by ID or alias
- Search for vehicle by vehicle type
- Search for vehicles within specified radius
- 'Track and Trace' by line or symbol
- Periodic location reporting based on change in status
- Individual vehicle reporting period enable / disable 'over the air'
- Mapping tools: zoom lens, area info, radius/ line measurement
- Logging and replay of location reports on map
- Periodic location reporting based on zones or checkpoints
- Periodic location reporting based on time or distance travelled

G4560 Base Software

G4551 AVL Unit

G4551 - Advanced In-Vehicle AVL Unit

- 4 Inputs for reporting status (i.e cargo loading)
- 4 Outputs for remote activation (ie. Engine shutdown)
- 1 External alarm input
- 12 channel over determined position solutions
- Extremely fast re acquisition (<0.1 secs in many cases)
- Rapid time to first fix
- Reduced multipath susceptibility
- Greater location reliability using spare GPS channels
- On board memory for in-vehicle data logging function
- On board modem For PMR (Two way Radio, EDACS etc)
- Optional Dead Reckoning to cover for loss of Satellite signal

mobi TAG II is capable of interfacing to ANY radio network *

- PMR (Two Way Radio)
- SmartNet
- EDACS
- MPT 1327
- Mobile Satellite
- GSM
- MobiTEX
- LTR

*Check with SMC to confirm availability of these and other radio network interfaces.

For more information on this product please refer to the SMC G4551 Mobile AVL and G4560 Base Station Software leaflets