atm amac
An Eye on the Future of Safety

atm amac
An Eye on the Future of Safety

ATM-AMAC
Infrastructure Mobile Surveys & Asset Management
Bell Wood House, Minskip Rd, Boroughbridge YO51 9HY
Tel.: 01423 324418

Email: david.villars@atm-ltd.co.uk

Web: www.atm-ltd.co.uk/services/amac/

Mobile surveys of traffic signs, pavement marking, road studs, road symbols & street lighting

Mobile surveys of traffic signs, pavement marking, road studs, road symbols & street lighting

The advanced integration in a mobile platform of different technologies allows ATM-AMAC to provide **detailed road asset inventories** together with the measurement of asset **retro-reflectivity, condition and visibility**.

ATM-AMAC systems are an innovative, Lean and essential resource to **optimise maintenance costs** through the use of standard-aligned (DMRB), objective datasets in the network operator's decision-making process.

MOBILE ASSESSMENT

MEASUREMENTS ARE PERFORMED THROUGH INSTRUMENTED VEHICLES AT TRAFFIC SPEED

MAIN **FEATURES**

- Mobile system for road asset data acquisition
- Without lane closures or costly additional traffic management
- Traffic speed operation, reducing disruption to road users
- Detailed georeferenced inventories (error < 1m)
- Data integration into GIS and other asset database platforms
- Accurate retro-reflectivity measurements
- Flexible data visualisation

PAVEMENT **MARKING**

- Retro-reflectivity of all markings and symbols
- Inventory with GPS positional data
- Road studs inventory, visibility and condition assessment
- Both lane lines and road symbols measured in one pass
- Independent of the operator
- Certified by Texas Transportation Institute (US) and Cidaut (Spain)
- DMRB standard CS 126 alignment

TRAFFIC **SIGNS**

- Retro-reflectivity (background and legend) for all colours (post-mounted and overhead signs)
- Sign size, height and distance to roadway edge
- Inventory with GPS positional data
- National sign code and DMRB CS 125 alignment
- Colour, infrared and black and white camera filter
- Validated at Texas Transportation Institute (US) and Cidaut (Spain)

ILLUMETRIC

- Measurement of illuminance and luminance according to EN 13201-4
- Measurement of light spectrum to identify colour parameters and light source type
- Automatic and accurate inventory of light sources (GPS position, height, interdistance)
- Calculation of real energy efficiency based on measured light values (not on theoretic values)