

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



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.

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

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)

MOBILE ASSESSMENT

MEASUREMENTS ARE PERFORMED THROUGH INSTRUMENTED VEHICLES AT TRAFFIC SPEED



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

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)

Measurements accuracy

Handheld background retroreflectivity measurement (blue): 41,1
 ATM-AMAC background retroreflectivity measurement (blue): 42.5
 Handheld legend retroreflectivity measurement (white): 310.0
 ATM-AMAC legend retroreflectivity measurement (white): 307.6

* measures in cd/(lx m²)

