

FASHION LOOPS WITH YOUR FINGER

Intelligent Detection Systems



- EASY GRAPHICAL USER INTERFACE (GUI)
- UP TO 150 METRE RANGE
- MULTIPLE LOOPS FROM ONE UNIT
- NO CUTTING
- NO DIGGING
- MAINTENANCE FREE

AGD Systems Limited

White Lion House, Gloucester Road
Staverton, Cheltenham
Gloucestershire, GL51 0TF, UK

T: +44 (0)1452 854212
E: sales@agd-systems.com
W: agd-systems.com



More junctions eligible for MOVA as capital & maintenance costs fall

Deployed on over 3000 sites across the UK, 'Microprocessor Optimised Vehicle Actuation' **[MOVA]**, has provided a well-established strategy for traffic control at isolated junctions and small networks for nearly 30 years.

Founded and introduced to the ITS sector by the Transport Research Laboratory **[TRL]** in the 1980's, MOVA boasts advanced capability, and is able to cater for the control of a full range of traffic conditions through its sophisticated algorithm that works hand in hand with vehicle detection technology.

Its main USP lies in its intelligent ability to switch operation when a junction becomes too congested – utilising the data from vehicle detection technology on traffic approach to maximise capacity. This advanced use of data and change in operation can be replicated across a wide range of isolated junctions.

COMBINING FORCES

Ultimately, the capability of MOVA is reliant on its analysis of traffic demands on approach to the given junction – at which point it optimises signal timings in order to minimise overall delay. Therefore, ensuring the detection technology is configured and working optimally, is essential to how effective MOVA can be in improving the efficiency of traffic flow.

In recent months, AGD Systems has been trialling its '318' radar detector with in-built AGD Technology at a number of MOVA sites across the UK. AGD Technology allows reliable and precise input of occupancy data for both 'In' and 'X' detection points up to 150m from the stop line.

AGD's '318' offers advanced vehicle detection that through trials has been proven to provide accurate, critical event data for supporting the MOVA algorithm and increasing traffic flow.

ACCURATE AND COST-EFFECTIVE

Additional benefits of the deployment of AGD Technology at MOVA controlled junctions include: quick and easy setup from a drag and drop touch screen compatible Graphical User Interface [GUI]; capital cost savings over other detection technology and their associated infrastructure; and vast maintenance savings.

Compared to conventional inductive loop detection, AGD Technology offers a real non-intrusive and cost-effective solution that eliminates the need to cut into the road surface and subsequently creating potential pockets at risk to wear from traffic and the weather.

By using AGD Technology installers benefit from not requiring expensive ducting activity away from the stop line to the 'In' and 'X' detection points. An activity that has traditionally prevented some sites benefiting from MOVA.

Stephen Nyasha Parirenyatwa, Transportation Engineer for Atkins Global, has recently designed several MOVA schemes using AGD's 318, and confirmed: "MOVA has been replacing the traditional Vehicle Actuated control system for a number of years, offering an effective solution for responding to prevailing traffic conditions, reducing traffic delays and increasing capacity at congested junctions, and adapting effectively to high traffic flow sites that can vary according to time of day or season."

"In using RADAR detection with MOVA I believe we will be able to eliminate the cost and time constraints imposed by embedded loops, whilst providing highly accurate, critical event data that will aid improved traffic flow and efficiency through the MOVA algorithm."

Dan Preece, Executive Engineer at Integrated Traffic Services Limited, has created several successful schemes using AGD's 318, and on discussing the benefits of using RADAR detection for MOVA, he said: "It is an exciting time in the industry as new technology is coming through fast, not least of which is the AGD 318 radar. The Dual output version of this radar is going to make a big difference to the amount of schemes that are able to be converted to MOVA operation, particularly in the urban/semi urban environment where traditionally cost, services and available ducting has made the upgrade prohibitively expensive or simply not practical."

"A product like the 318 can grow alongside MOVA development, potentially offering much more than on/off gate output which will enhance MOVA's ability to act intelligently to the behaviour, type and level of demand from all types of vehicles."

Ian Hind, Commercial Director at AGD Systems, added: "We are very happy with the feedback from the industry on the '318' with AGD Technology in support of these recent MOVA deployments. We are very grateful to be able to work with such forward thinking customers"

"The '318' with AGD Technology is not what customers would identify with traditional radar, and as such is not subject to associated constraints. It uses innovative radar methods and home grown technology developed and patented by AGD through our worldwide work in the enforcement sector".

AGD will be showcasing the 318 with AGD Technology at JCT this September and answering any questions on using AGD Technology in support of MOVA applications.

For further information please contact:
sales@agd-systems.com

www.agd-systems.com

Ian Hind, Commercial Director, AGD Systems Ltd

