AGD Systems Limited

Company profile

AGD Systems is one of the UK's leading manufacturers of ITS product solutions.

AGD makes easy-to-integrate, globally compatible ITS product solutions designed to help create safer, greener, more efficient traffic and transport environments. AGD's solutions are created for Smart Cities, Smart Highways and strategic transport initiatives around the world, and are the result of strategic ITS thinking strengthened by 25 years of practical implementations.

Working closely with system and product integrators, national road authorities and traffic engineers, AGD develops solutions that fit today's needs and tomorrow's challenges across urban and inter-urban settings. Products serve Traffic and Pedestrian Control, Highways and Enforcement environments, and applications such as tunnel and track.

Headquartered in Cheltenham, UK, AGD is a privately owned company. It has an Australian subsidiary and distributors in EMEA, Asia Pacific and the Americas. AGD's R & D, manufacturing and test facilities come with a history of innovation and have delivered the IP to create intelligent solutions that improve the world's traffic and travel systems.

For further information, interviews and high-resolution images please contact:

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Solutions overview

Working closely with system and product integrators, national road authorities and traffic engineers, AGD develops solutions that fit today's needs and tomorrow's challenges across urban and inter-urban settings. The solutions integrate and interact with smart city systems or legacy controllers to provide the high-value data and video critical to enhancing safety and efficiency.

Traffic and Pedestrian Control

AGD's solutions for urban traffic and pedestrian control environments detect, demand, count, signal, manage and report on vehicles and pedestrians on approaches, intersections, wait zones and crossings. Nearside/farside pedestrian demand, signalling and crossing management.

- Pedestrian, bicycle and vehicle detection, safety, control and volumetrics
- Vehicle detection, control and speed management
- Nearside/farside pedestrian demand, signalling and crossing management

Highways

AGD's solutions for inter-urban arterial routes and highways environments detect, count, monitor, manage and report on vehicles on inter-urban highways, intersections and approaches.

- Multi-lane vehicle detection, control and speed management
- Vehicle, intersection and critical areas management
- Incident detection

Enforcement

AGD's enforcement-grade solutions for urban traffic and inter-urban arterial routes and highways environments detect speed, range and angle of multiple targets to provide enforcement data on highways, approaches, and red light/yellow box situations.

- Single and multi-lane vehicle detection, control, speed management and enforcement
- Red light and yellow box vehicle detection, control and enforcement
- Vehicle detection and data for ANPR systems

Tunnel and Track

AGD's solutions for demanding tunnel and track environments detect, control, manage, enforce and report on highway, rail, underground and metro tunnel approaches and are also used in marshalling and open-country situations. Radar and IP-capable optical detectors, with video-feed, deliver high-reliability solutions for safety-critical remote rail crossings.

- Tunnel road traffic detection, traffic/safety management and speed enforcement
- Pedestrian and train detection and speed control for pedestrian crossing safety management
- Urban/underground-rail 'traffic' detection, traffic/safety management and speed control

AGD Systems

Quick facts

- AGD is one of the world's leading designers and manufacturers of ITS product solutions
- Established in 1991
- Headquartered in Cheltenham, Gloucestershire, UK, AGD is a privately owned company
- Industry pioneer of above-ground radar detection for traffic control and pedestrian detection solutions for UK Puffin crossing strategies
- Long history of patented ITS radar solutions for traffic control and highway speed enforcement. Pedestrian signalling and detection solutions (AGD946/AGD640) also feature strongly in the patent list
- Australian subsidiary in Sydney
- Distributors in EMEA, Asia Pacific and the Americas
- R&D, manufacturing and test facilities in the UK

Spokesperson biographies

Peter Hutchinson – Managing Director

Pete is CEO, a position he's held since 2001, having previously led the R&D and Commercial teams. Pete is a Member of the IOD and a Chartered Physicist, graduating from Warwick University. He's worked on the effect and analysis of nuclear radiation on electronic components at the UK's AWE Aldermaston, and spent considerable time overseas on radar and fibre optics. Pete returned to England in 1991 to co-found the AGD business.

Pete is the motivating force for the advancement of AGD's detection technologies, their application in ITS market, and the international expansion of the business. He has successfully led AGD to its current prominent position in the Intelligent Traffic Systems market.

Ian Hind – Commercial Director

Ian is a powerful commercial leader whose remit encompasses all customer-facing AGD activity, as well as focusing on overseas exports through AGD's global network of distributors.

A science background underpins Ian's highly successful career where he's accrued considerable experience in senior positions for electronic manufacturing, electro-mechanical and mechanical components concerns. At Abacus Polar Electronics Ian had sales and logistics support responsibility for multi-million pound national accounts across European and Far Eastern group subsidiaries and sub-contractors.

Doug Nelson – Technical Director

Doug heads up the company's cutting-edge engineering function. His leadership roles feature R&D management at some of the UK's most prestigious, but less publicised, centres of excellence. Doug holds an HND in electronics, an MBA, and a Diploma in Management Studies.

From technology assessment to promoting a design-for-manufacture & test culture, Doug and his team create, develop and harness the world-class IP behind AGD's market-leading technologies. Doug's specialist expertise and a team ethos translate AGD's IP into outstanding product solutions that meet the needs of current and future traffic and travel systems worldwide.

Oliver Bain – Business Development Manager

In 2013, following a key role in the introduction of radar vehicle detection systems as inductive loops replacement, the energetic Oli joined AGD as business development manager.

Oli has a degree in Mechanical Engineering and is an active member of the ITS UK's Young Professionals Interest Group. He is a keen advocate for advancement and innovation across the global ITS industry and works with AGD partners across the globe to assist with the deployment of radar in new applications and sectors.

Mike Hutchinson – Chairman

Mike is AGD's ambitious and highly experienced chairman. He began his career as a development engineer in Lucas Aerospace's weapons aiming laboratories. He went on to join Specto Avionics' R&D team as a project engineer on head-up display equipment for the German Airforce and Tornado aircraft for Smiths Industries.

In 1974 Mike co-founded Huburt Knight Engineering Ltd, expanding the group to four manufacturing companies; he became managing director in 1989. In 1991 Huburt Knight was taken over by Arkon Group, and Mike became managing director of group company HB Detection. Later that year Mike co-founded AGD Systems.

Stephen Smith – Head of Marketing

Stephen joined AGD in 2016 as head of marketing. He is a commercially astute, hands-on business and marketing professional who specialises in developing and driving engagement through marketing to sales.

Stephen founded and divested his own tech marketing business where he delivered value for companies such as Panasonic Industrial, PGP/Symantec and ABSNet/Capita. At ABSNet, his marketing drove revenue to double, profits to increase by 300% and led to a successful divestment to Capita. Stephen's role at AGD is to focus strategic marketing and messaging, and to develop the marketing platform that will support AGD's UK and overseas ambitions.