



INTEGRATED TRANSPORT SYSTEMS



WE OPEN THE WAY



INTELLIGENT WORLD CLASS SOLUTIONS FOR TOMORROW'S TRAFFIC

The award winning Colas team is challenging perceptions with a range of ground-breaking innovations, clever solutions and an adaptability that is delivering effective solutions.

We offer cutting-edge innovative technology and a genuinely collaborative approach. At Colas, we listen to our clients and we work with them to find the best solutions to their requirements.

Colas has invested in developing the next generation of traffic solutions at our scientific and research campus outside Paris – all with the aim of delivering more efficient, safer journeys for road users.

Our ITS expertise includes:

- ✦ Traffic signals
- ✦ Traffic monitoring and enforcement cameras
- ✦ Variable message signs
- ✦ Access control systems
- ✦ Street lighting
- ✦ Ancillary roadside equipment

VARIABLE MESSAGE SIGNS

Allowing up-to-date information and warnings to be communicated to road users, our in-house team designs, manufactures, installs and repairs message signs for the local, urban or strategic road networks.

Over the past twenty years we have installed over 8,000 items. We developed our innovative off-site approach to installing Variable Message Signs (VMS) which delivers faster, safer installation, minimal requirement for traffic management and less disruption to road users.

Prior to the gantries being installed on the M42 for our client Highways England, using their Lean Maturity Assessment (HELMA) framework, we pre-installed the VMS onto the gantries in a warehouse. This approach delivered faster installation and delays of just half an hour for road users with minimal requirement for traffic management. With safety a number one priority for Colas, we improved this as our engineers work no more than eight metres from the ground, rather than fifteen meters when on-site.

Colas continues to innovative with our all-new V3 Variable Message Sign - bringing a step-change in highways signage to the UK this year. These intelligent signs, which can be mounted overhead on gantries or at the road-side, remotely give operators total control to display full-colour messages to road users. They can be used to display pictures, maps, photographs, traditional messages and even films on the full-matrix screens.

Designed and manufactured in France to UK specifications, the signs come in a variety of sizes. Adaptable for many highway applications, V3 signs offer potential for motorway and trunk road use – putting customers first and making journeys safer and more efficient.





Decorative street lighting in Brighton

STREET LIGHTING

Our specialist lighting teams collaborate with our customers to provide solutions that meet their specifications, and integrate with the local environment.

We provide street lighting and decorative lighting services in a range of locations, including:

- Trunk roads and motorways
- Residential estates
- Pedestrianised streets
- Recreational areas

We aim to install innovative technology to provide a sustainable long-term solution, through the use of energy-efficient LED lanterns and our Central Management System hardware.

Environmentally-focused local authority, Brighton & Hove, took the decision to invest £6.5 million to provide sustainable street lighting in the city, reducing emissions, lowering energy costs and boosting safety.

It was a major project during 2019 and 2020 with approximately 21,000 street lights in 2,400 historic streets. All lanterns were replaced or converted with LED modules. In addition, LED modules were installed in some historic and decorative lighting units.

Colas provided maintenance support before, during and after the LED installations and as part of the contract, undertook cyclic maintenance activities and managed a column replacement programme for expired lighting units.

In addition to the stated aim of providing more sustainable lighting and reducing energy consumption, the LED lanterns will improve safety in the city. The designed lighting solutions used a warm white LED light source improving lighting levels and make colours more visible.

TRAFFIC SIGNALS

Colas supplies, installs, commissions and maintains traffic signals equipment across the globe. In the UK we work with Local Authorities where typically we engage in refurbishment projects, installation schemes or term maintenance contracts.

Our new, ground-breaking M@estro traffic signal control is designed to improve vehicle flow, enhance control and offers futuristic capabilities. Developed by the Colas Group, M@estro is an intelligent traffic signal controller already in operation across the Continent and internationally. It meets current traffic control systems demands and is UK Topaz compliant, capable for running sites on MOVA 8, UG405 and has UTC capabilities.

This new controller will offer effective and smooth management of traffic specifically targeted at the needs of UK road users. It works with all the latest detector systems directly, but M@estro has the very real capacity to do so much more.

M@estro has inbuilt remote monitoring and can be connected directly to the Imtrac for fault management. This solution will be available in all M@estro controllers as a free to add feature, and will also be available as a stand-alone unit for existing sites across clients' networks.

With vehicle technology developing rapidly, M@estro anticipates future developments in traffic control requirements and offers the prospect of intelligent control today. It will be able to 'talk' directly to vehicles, managing traffic flow in a way that the road users of the future will expect.



INNOVATING FOR TOMORROWS HIGHWAYS

Developing the next generation
of traffic solutions.



From our new traffic controller, M@estro, to our latest full colour V3 Variable Message Signs, Colas has invested in developing the next generation of traffic solutions. The amazing potential of our Wattway photovoltaic road surface has already been recognised and Flowell, our intelligent road markings system looks set to transform the highway – delivering more efficient, safer journeys for road users.

WATTWAY

THE WORLDS FIRST EVER PHOTOVOLTAIC ROAD SURFACE

Providing solar energy, the Wattway autonomous generator is a turnkey solution designed to provide energy autonomy to roadside equipment. It consists of photovoltaic panels installed directly on the road which is connected to an energy storage system, making it possible to connect and power all your equipment.



M@ESTRO

THE FUTURISTIC TRAFFIC SIGNAL CONTROLLER

Bringing ground-breaking potential to traffic signal control in the UK - improving vehicle flow, enhancing control and offering futuristic capabilities. It has inbuilt remote monitoring and can be connected directly to the Imtrac for fault management.



FLOWELL

DYNAMIC INTELLIGENT ROAD LIGHTING

A solution to better organise public spaces, Flowell can visually restructure city streets and urban, peri-urban and country roads, using integrated, dynamic, luminous signalling. The Flowell solution can include a range of control options, and the LEDs can be turned on to follow the movement of users, providing a dynamic and interactive road management system.



V3 - VARIABLE MESSAGE SIGNS

A STEP-CHANGE IN HIGHWAYS SIGNAGE

A step-change in highways signage to the UK this year, these intelligent signs, remotely gives operators total control to display full-colour messages to road users and can be used to display pictures, maps, photographs, traditional messages and even films on the full-matrix screens.





OUR AWARDS AND PARTNERS

The Colas ITS team were presented with the Highways Electrical Association (HEA) Contracting Member of the Year (Large Organisation) award 2018. The award Colas received is presented to the HEA member organisation who in the opinion of the judging panel have performed best during the year in audits, and training compliance ensuring all relevant employees have the skills and competence in place to carry out the duties they are being tasked with on a daily basis.

Colas Limited
Dysart Road
Grantham
Lincolnshire
NG31 7LG

01476 404 200
ITS.info@colas.co.uk
www.colas.co.uk



WE OPEN THE WAY