

Electro Automation

Electro Automation Group is Ireland's premier automation specialist. Formed in Dublin in 1984, Electro Automation has since provided an enviable combination of quality equipment supported by exceptional technical after sales and maintenance service.

Our ITS Division is at the forefront of providing motorway operators, local authorities, government, road construction companies and police forces with the latest products available on the market. Using its skilled ITS maintenance resources, Electro Automation can provide customers with an installation, support and calibration service, nationwide, 24 hours per day, 7 days a week.

Our success is based on pride in our technical competence and the practice of our belief that exceeding customer expectations is our key aim.



Electro Automation Product Range

- Access Control Systems
- Automatic Bollards
- Automatic Number Plate Recognition
- Automatic Sliding Doors & Screens
- Car Park Space Counting
- CCTV
- Commercial Swing Gate Automation
- Curved Sliding Doors
- Domestic Sliding Gate Automation
- Domestic Swing Gate Automation
- Intelligent Traffic Systems
- Intercoms
- Pay & Display Car Park Control
- Pay on Foot Car Parking Systems
- People Counting
- Revolving Doors
- Roadblockers
- Speedgates
- Swing Door Operators
- Traffic Control Barriers
- Turnstiles
- Traffic Controllers
- Traffic Lights
- Highway Traffic Classification

Intelligent Transport Systems



Quality Equipment

Exceptional Service

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Intelligent Transport Systems



Intelligent Transport Systems

Vehicle Detection Systems

People & Traffic Counting

Automated Traffic Management

Intelligent Transport Systems

Electro Automation supply a wide range of intelligent transport equipment designed for traffic departments, motorway operators, local authority councils, government, road construction companies and police. Our products are high performance, high accuracy and can be tailored to meet your individual requirements.

High Speed Automatic Vehicle Counters

Electro Automation traffic counters are designed to fulfill the most demanding traffic monitoring and data collection applications using fiber-optic, piezo electric magnetometer and induction loop sensor technology.

We have systems suitable for Car Parks and Shopping Centres, Urban and National Primary and Secondary Roads and Motorways.

Our road and motorway counters vary from volume counters to vehicle counter classifiers which are capable of outputting, volume, class, speed, headway and the EURO Classifications.

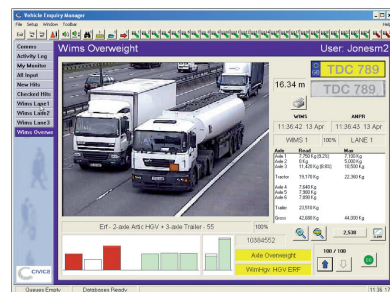
Loop Technology

Loop technology is the tried method of vehicle counting and classification. We supply equipment to count, classify, count axles, calculate speed and headway. It is particularly suited to **Bus Lane Priority**.

Electric Car Chargers: AC, Mode3 & CHAdeMO

Circontrol's quick charging stations are the quickest way of charging today's electric vehicles. Their innovative, original design offers a quick, easy to use charging solution, in line with CHAdeMO's current standards for the quick, direct current charging of electric vehicles. This equipment's design has paid close attention to ease of installation and electrical protections required to increase user safety.

The equipment comes with communications (Ethernet, 3G) that allow permanent connection with remote control stations, from which charging equipment data can be monitored in real time, and the equipment operated remotely, meaning the equipment can be simply managed and exploited to the full.



Intelligent Transport Systems

Weigh In Motion and Environment Monitoring

By applying the latest developments in the field of sensor technologies and by combining these with communication techniques like GSM, 3G, GPRS and the internet, Electro Automation is able to offer effective solutions for Weigh in Motion (WIM) sensors. This allows wheel loads to be determined accurately as vehicles drive past at any speed, ensuring overloaded vehicles can be taken off the road promptly in order to protect the road surface and substructure or sent to a weighbridge for enforcement. This application is particularly well suited to integration with ANPR and was successfully trialed by VOSA in the UK.



People Counters

Electro Automation can provide people-traffic counting solutions to private and public entities. These products and services help businesses monitor their People Counting, Customer Behavior, Customer Mapping and Queue Management for improved efficiency and profitability. We supply a Plug and Play system which details comprehensive daily, weekly or monthly reports on a modular scalable system.

Traffic Surveys

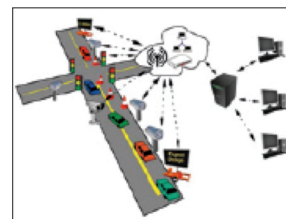
Electro Automation is a leading integrator for traffic registration equipment and traffic safety systems. Using a combination of technologies we can collect and survey data for you. We design surveys and establish sample sizes on a statistical basis. We can deliver raw data or analysed / summarised results depending on your requirements.

Traffic Lights & Controllers

Our new Traffic Controller system efficiently controls traffic, from minor traffic signal junctions through major intersections, while simultaneously protecting and managing pedestrian and bicycle movements.

Features

- Unique 3D vision, loops and microwave detection
- Flexible intersection control solutions
- Pedestrian and ramp metering control
- Environmental low and extra low voltage signal options
- Range of LED signal heads and equipment



Speed and Red Light Enforcement Systems

Electro Automation represents Redflex Speed and Red Light Enforcement Equipment in Ireland. Working with Redflex, Electro Automation is one of the few indigenous organisations which has experience of the requirements of Police Forces in regard to enforcement of speed and the legislative process.

Worldwide, Redflex products assist police authorities in enforcing speed and red light regulations. Redflex systems are both fixed and portable and carry a number of European approvals including HOTA. We also supply Digital Enforcement Systems for Rail Crossings and Time Over Distance policing. Redflex is also the largest provider of innovative, outsourced enforcement solutions in the world.



Intelligent Transport Systems

School Signs, Speed Signs, Solar / Wind Powered

Electro Automation supplies some of the most reliable electronic warning signs available. The advanced design means that we are able to use cost effective alternative energy in even more situations than before.

Electro Automation is introducing these signs to Ireland for:

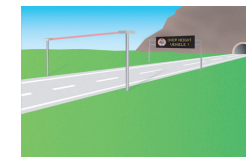
- ✓ School Systems
- ✓ Speed Indicator Devices
- ✓ Warning Signs and Chevrons



Signs can be speed (Radar) triggered or operated by a timer. Radar triggered signs can collect traffic survey data for transmission to the operator.

Overheight Vehicle Detection & Bridge Protection

At Electro Automation, we offer technical options to meet virtually any over height detection and warning requirement including UTM compliance. Applications where this system can prove invaluable are: Bridges, Pipes, Airport Overhangs/Walkways, Tunnels, Railways and Parking Structures. Overheight Detection Systems are proven to minimise the occurrence of accidents.



Number Plate Recognition Systems

Electro Automation provides licence plate recognition (LPR) or automatic number plate recognition (ANPR) systems and solutions to civilian and police users.

Our products assist local authorities and commercial organisations in all aspects of security, surveillance, access control and traffic management.

Electro Automation has been involved in the development of ANPR specific to Ireland and is unique in having the skills to ensure that these systems are as accurate as possible in reading Irish number plates.



Emergency Roadside Telephones

Electro Automation have a number of ERT suppliers. These top-of-the-range products together with Electro Automation's expertise in this field, provides an accessible and reliable service for all road users for reporting traffic accidents, emergencies and facilitating authorities to react promptly when they receive emergency calls from road users.

