



# Essex Gate Systems



## CAME

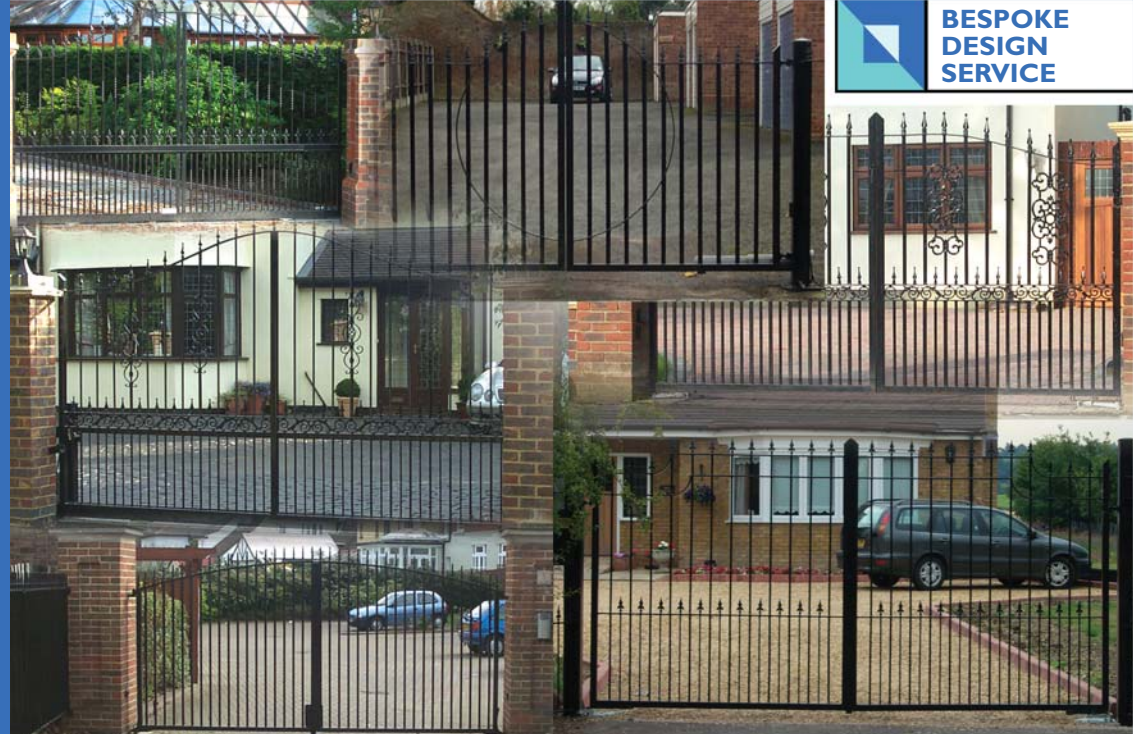
Approved  
Installer



Gates  
Railings  
Barriers  
Bollards  
Automation  
Access Control  
Audio & Video Entry

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## CAME BLU-PARTNER

Essex Gate Systems are fully qualified and credited by CAME for the installation and periodic maintenance of all CAME gate automation equipment and safety control accessories.

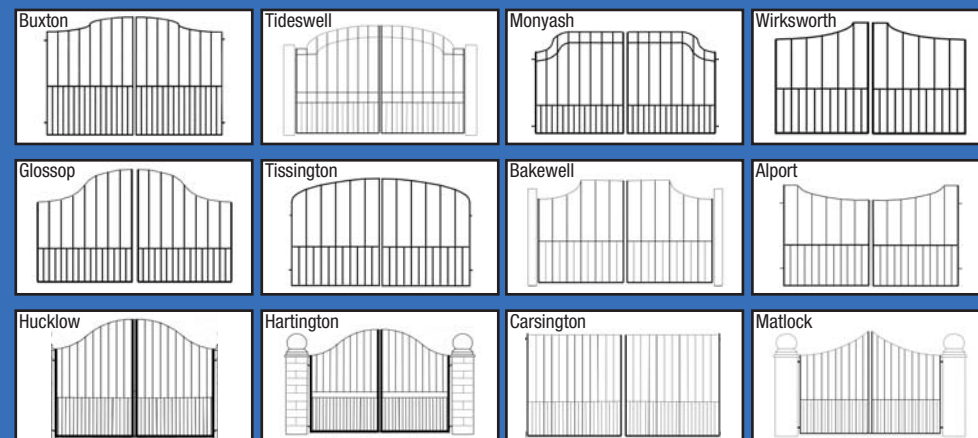
The BLUPARTNER Approved Installer network is controlled and administered by CAME UK, sister company to CAME Spa, Treviso, Italy. CAME UK provides assurance of quality installations and customer service through the Approved Installer Network.

Essex Gate Systems are proud to be credited with this BLUPARTNER Approved Installer status which offers an assurance to our customers that the quality of our product, service, installation and safety is second to none.



## METAL GATES

Essex Gate Systems have many gate installations throughout the South East. Very often these gate installations, along with the satisfied customers that live behind them, can give you ideas when it comes to choosing your particular style of gates and railings. On this page we have included some templates from where we start and gate images where we possibly finish.





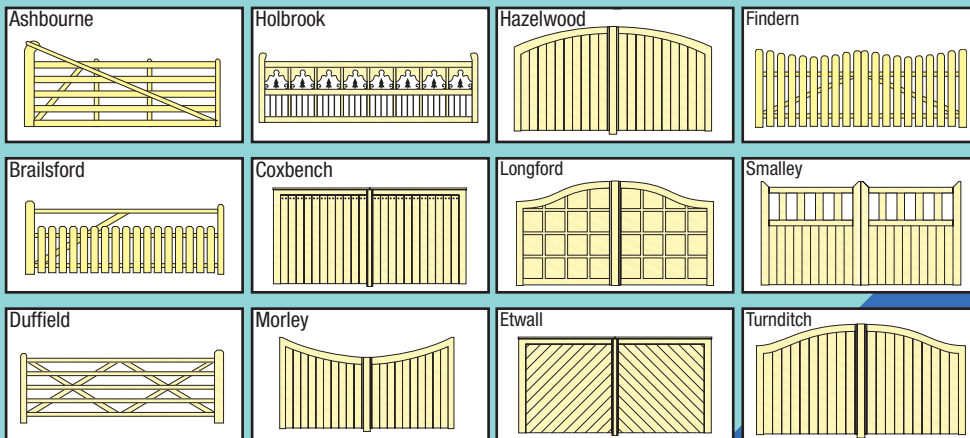
# FROG & FROG-J

## Underground Gate Operators



## WOODEN GATES

Essex Gate Systems also have many wooden automatic gate installations and here again we have included some examples that may be of interest to you when choosing your required gate style and shape.



**Frog  
Motor & Casing**

**Hidden Below Ground Level**

The underground gate motors can be operated by all the standard CAME accessories e.g. remote controls, push buttons, keypads etc.

The FROG system is designed to automate either metallic or wooden gates and in every case the pivot arm becomes the bottom hinge for the gate. Once correctly installed, there is no apparent sign of the mechanism other than the lid of the foundation casing box, and it does not detract from the overall aesthetics of an attractive gateway.

As its name implies this superb, much copied gate machine is designed to operate in damp, below ground level conditions. It is indeed the most popular machine with the discerning customer, who not only wants a long lasting reliable gate machine, but also does not want to see any type of armature attachment on the inside of the gates.

The FROG automation system can be fitted to new gateways or most pairs of existing gates that you may have. Essex Gate Systems are able to visit your gateway to professionally ensure that the FROG automation system is the best possible solution for your requirement.



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# FERNI

## Articulated Arm Gate Operator



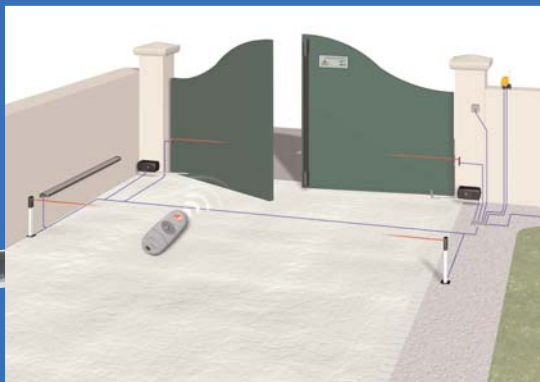
The FERNI articulated arm gate operator is designed to automate gates that are hung from large brick or stone pillars.

The FERNI can be operated by all the standard CAME accessories e.g. remote controls, push buttons, keypads etc.

In the eventuality of a power cut the FERNI has a lever operated manual release mechanism which is situated on the motor casing.

The simplicity of operation of a winding arm machine always ensures the fastest possible operating of the gate. A common application for the FERNI motor is a situation, such as a gateway directly on a main road, where the gates' opening time needs to be as quick as possible.

Undoubtedly, the FERNI proves to be the fastest and most versatile external electro-mechanical operator.



# ATI

## Worm Drive Gate Operator



The ATI motors are extremely strong and able to cope with heavyweight gates. The strength of the ATI motor is achieved by the irreversibly geared worm drive mechanism. All the models can be operated by all the standard CAME accessories e.g. remote controls, push buttons, keypads etc. In the eventuality of a power cut the ATI machine has a key operated manual release mechanism.

A common application for the ATI series would be to operate a traditional five bar wooden gate. A situation in which the ATI series is very useful, is a pair of closed-in boarded gates in an exposed position, where the force of the wind will pose no problems to the strength of the ATI.

The ATI gate operator is a cost effective and efficient way of automating your gates.

# AMICO

## Worm Drive Gate Operator



The new AMICO swing gate motor offers installers a great solution for gate automation.

The simple worm drive mechanism is convenient and reliable, capable of opening gate wings of 1.8 meters (about 5'11") weighing up to 200kg.

The AMICO combined with the ZL90 control panel meets UK safety laws in relation to power output of the gate.

This makes it easier to make a safe, compliant automated gate without the need for excessive additional accessories, helping to keep costs and installation time to a minimum.



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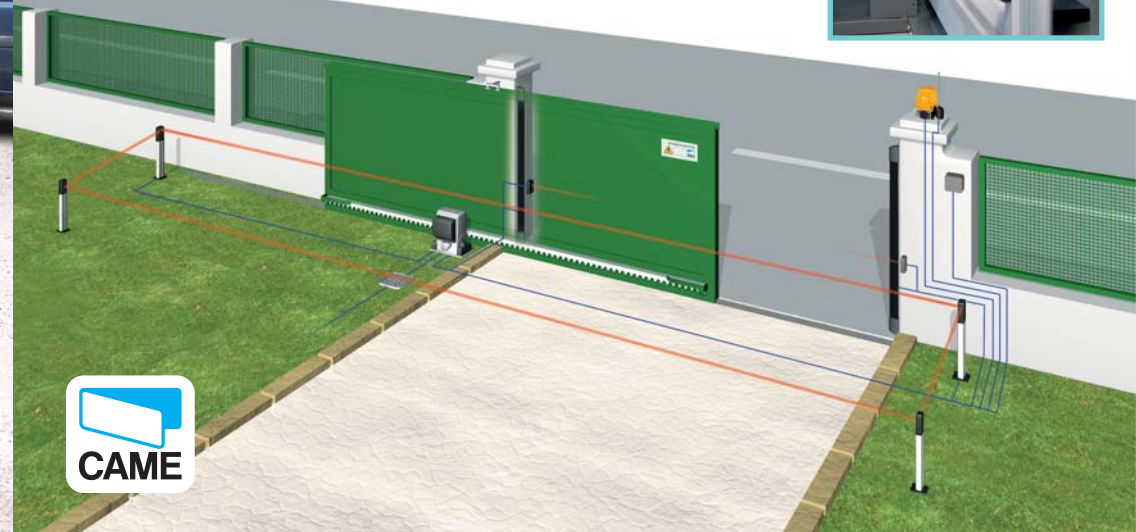


# BX/BK/BY

## Sliding Gate Automation Systems



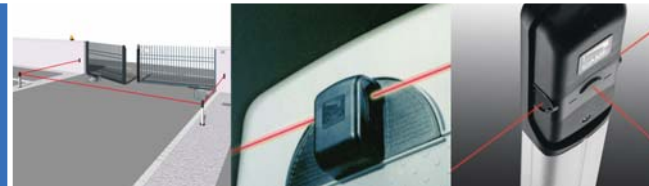
# SAFETY



The CAME range of electric sliding gate operators has a machine for every size of gate. Residential gates can be opened with the 'BX' or 'BXE' machines and commercial gateways with the 'BK' range or the 'BY 3500' series. The robust and reliable rack and pinion method of operation is very straightforward and can be used on metal or wooden gates.

The sophisticated electronic control panel can be programmed to accommodate timed auto-closure and partial opening to allow just pedestrian access and can accept wired low voltage signalling from the whole range of CAME accessories.

The installation of an electric sliding gate system is a little more involved than any other type of electric gate as it has to have more civil engineering done at the initial stage, but once the correct ground track and/or cantilever roller frames are installed, then the installation follows the same format as with other types of electric gates, continuing with the mechanical engineering stage of gate fabrication and gate mounting, followed by the final stage of electrical fixing and commissioning.



Our installations can be fitted with the new CAME range of DB wireless safety photocells. They require no connection to the transmitter unit, thereby reducing installation times and costs. They are a revolutionary idea for installing automation systems on pre-existing gates which may not be ideal for additional safety photocells. The DB series cuts installation times and costs by eliminating additional digging, cabling and masonry work.

DB is also bi-directional. The exclusive bi-directional detection system makes it possible to increase the scope of detection while reducing the number of products to install. Every individual unit, receiver or transmitter, can communicate simultaneously with 2 units of the same series. DB is independent and easy. It is powered by four normal AAA batteries that can be easily replaced and also includes a warning light that switches on three weeks prior to the expiration of the batteries.

Patented by CAME, and designed to conform to new International Standards, The DF sensitive edge profile safety system detects objects multi-directionally, and provides comprehensive protection against blows, entrapment and damage to your vehicle in automated gate and garage door systems.



**DF**  
Sensitive  
Edge

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# FAST Articulated Arm Operator

# Commercial Gate Systems



The FAST articulated arm gate operator is designed to automate small gates that are hung from any type of pillars or posts. The new FAST kits are the easiest and quickest to install within the entire CAME range.

The FAST motor comes complete with an in-built control panel which makes the installation as simple as any machine available in the world.

The FAST operator will automate most lightweight gates up to 2.3m each leaf. The FAST can be operated by all the standard CAME accessories e.g. remote controls, push buttons, keypads etc. In the eventuality of a power cut the FAST has a lever operated manual release mechanism which is situated on the motor casing. The simplicity of operation of a winding arm machine always ensures the fastest possible operating of the gate.

There are two FAST kits - a kit for a single leaf gate and a FAST kit for a pair of gates.



Essex Gates Systems are fully equipped and qualified to handle your commercial gateway & perimeter security projects. From heavyweight steel swing gates to huge industrial sliding gates; From palisade fencing to complicated access control requirements; No job is too big.

For intensive use situations - where vehicles are accessing and exiting your premises on a regular basis - only the robust reliability of a CAME automation system will suffice.

CAME are the only manufacturer of electromechanical gate automation equipment that are able to offer a full 3-year parts guarantee on their entire range of electric gate motors.

For extraordinarily large swing gates, our experienced installation technicians may recommend that you opt for the CAME Super-Frog (right). The 'Big Daddy' of gate automation, the Super-Frog is capable of automating gate leaves up to 8m in length of 1500Kg in weight!

Please contact us to discuss your requirements with one of our professional technicians.



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# URBACO Automatic Rising Bollards

# GARD Roadway Barrier Systems

URBACO



Essex Gate Systems specialise in the complete installation of the entire URBACO range - the ideal solution for access control of a public or private street for vehicular traffic.

The Automatic Rising Bollard sinks into the ground in less than 3 seconds (adjustable) by means of a remote control device, thus clearing the way for traffic and rises back once the vehicle has passed through.

This system is very easy to use and its applications are varied. It enables not only access control to a private housing estate, company grounds or any street, but also gives an answer to urban needs in terms of remote on-line technical centralised supervision.

In case of power outage, the bollard goes down by gravity. As an option, negative security is available, locking the bollard upwards even in a power outage. This is especially useful for high security situations.

Limit switch captors detect the bollard status - up, down or in motion - to activate optional peripherals such as traffic lights, control logic etc. An optional internal antifreeze heater is also available enabling the bollards to be operated in areas of extreme cold.

Also available are URBACO's retractable bollards are made of parts cast solidly in one piece with a 10 year warranty: no mechanical welding, no parts assembled together with bolts or screws, no wearing parts with limited life span.

The URBACO structural parts ensure almost no maintenance costs as well as an uncommon resistance: more than 4.5 million operation cycles without any breakdown or need for replacement parts.

In addition to this, structure parts are totally interchangeable. The mechanical properties of the cast metals used to manufacture the bollards validate their extreme sturdiness.

The new G8000 series barrier implements all the recommendations of the new European standards generated by the new Machine Directives, with the objective of meeting the criteria of utmost modularity in terms of application and operations. It is available in the 230V A.C. motor and the 24V D.C. (protection grade IP54) motor versions, the latter being particularly ideal for frequent use.

The G8000 integrates photoelectric cells and command selectors in its design, and incorporates an optional flashing lamp within the overall look. The control panel is placed away from the mechanical parts giving easy intervention whatever the circumstances. The tubular bar is ideal for reducing the sail effect and an illuminated lighting strip can be fed down the entire length. Adjustments include movement and approach speeds, minimum opening time of 4-5 seconds, connections for pre-opening and pre-closing flashing light and amperometric obstacle detection system in opening and closing. Available in Zinc Plated coated steel and Stainless steel finishes.

Also available, the G2500, G4000 and G6000 24V DC / 300W SELF-LOCKING electromechanical gearmotors (protection grade IP54), built in control panel, adjustable balancing system, frame galvanised sheet metal with RAL 2004 polyester enamel finish or brushed stainless steel.



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# ACCESSORIES



## CONTROL PANELS



All of CAME electric gate operating systems need a CAME control panel, not only to receive the mains electricity feed at the gateway but also to distribute the wiring to the motors and the particular switching devices all around the gateway.

All control panels, including the circuit board, the transformer and the capacitors, are housed in a tough, durable ABS plastic housing, which is weather rated to the international standard of IP54. This in turn we recommend should be mounted within an external housing to give it secondary protection against even the hardest of conditions.

## DIGITAL KEYPADS



The simple task of pressing a series of numbers into a metallic keypad situated at the gateway is a secure way to allow authorised friends, family or other "bonafide" visitors to enter through the electric gateway.

They will not need to carry any keys or cards and thereby will not run the risk of losing them.



They are tamperproof and have secondary data information circuit boards which are installed away from the keypad itself; this means they cannot be forced open and the wiring short-circuited to open the gates.

The CAME range of keypads are finished in an attractive yet hard-wearing stainless steel finish.

## AUDIO & VISUAL INTERCOMS

A two-way speech 'Audible Intercom' gives the added dimension of allowing you to speak to the visitor at your gateway from the comfort and security of your home. When the button at the gateway is pressed the indoor wall phone makes a buzzing sound. Simply pick up the handset to speak to the visitor before deciding whether or not to let them in.

The standard 'Visual Intercom' is a one-to-one set of equipment, where one outside speech and camera unit station communicates with one indoor wall mounted telephone and miniature television monitor.

A 'Leave-open switch' can be fitted to the wall phone, enabling you to keep your gates open from inside your home.



## RADIO REMOTE CONTROLS



Traditionally, the whole essence of having electric gates is that the passage of the vehicle through the gateway is a pleasurable experience without the drudge of having to stop both sides of the gateway and get out of the vehicle twice, to open and close the gates. Our remote controls are not infra-red or ultrasonic, they are radio remote controls, eliminating the need to actually point them at the gates. They are set at the approved UK frequency of 433Mhz and are "state of the art". The remote controls are battery operated and will generally last for about a year in normal residential use. The range of distance from which the gates can be opened is normally never less than 50m (as long as the tuned antenna is fitted to maximise the reception).

## INDUCTION LOOP



These devices are often referred to as "pads" in the road, but nothing could be further from the truth. They are in fact, made up of a roughly rectangular shaped wire loop, laid repeatedly around the rectangle to create a coil and then a miniature magnetic induction field is created above, so that when a metallic vehicle passes over this magnetic induction field, its presence is detected and throws a pulse switch to open the entrance. They are typically used on busy, accessible gateways to allow freedom of vehicle movement; sometimes for exit only, but sometimes loops are laid inside and outside to allow free entrance and exit. Once installed, the sensitivity of the induction loops can be set to sense the types of anticipated vehicular traffic. Induction roadloops can sometimes be used in a "vehicle still present" mode to act as a safety device, as opposed to a switching device. Induction roadloops are often fitted in conjunction with other forms of switching.

## ELECTRIC LOCK

There are occasions when it is wise to install an electric latch to remove the possibility of damage to a long flexible gate, or to remove the stress and strains caused by pounding winds on closed boarded or similar types of "closed-in" gates. The electric latch has the mechanical capability to be released automatically by the control panel or by a key in the event of a power cut.



# SERVICE SCHEMES

Essex Gate Systems offer two competitively priced service schemes, ensuring that we are always available to our customers for services and maintenance back-up.

## SCHEME 1



Essex Gate Systems will visit your property twice during the scheme period. This scheme includes:

- 2 x Full service and maintenance checks where any faulty components can be repaired or replaced.
- The cost of all labour and consumables used for the service (excludes cost of parts).
- Highly recommended for gates that open 16 or more times per day.
- Risk assessment taking into consideration all aspects of the changes in your safety requirements due to your individual life changes. i.e. Children or pets

## SCHEME 2



Essex Gate Systems will make one visit to your property during the scheme period. This scheme includes:

- 1 x Full service and maintenance checks where any faulty components can be repaired or replaced.
- The cost of all labour and consumables used for the service (excludes cost of parts).
- Risk assessment taking into consideration all aspects of the changes in your safety requirements due to your individual life changes. i.e. Children or pets

# WHAT NEXT?

The installation of electric gates is like any other project that involves practical work and must be carried out efficiently. The work involved must be undertaken in the correct stages with the necessary interim gap between, to allow for the natural "hardening-off" period of the concrete. Also in this period the actual "in-factory" fabrication work can take place. As a general rule, the sooner the first stage can take place the better. This then allows for the "hardening-off" period to be longer so ensuring the end result will be stronger. The work can normally all be completed within two days at stage one, then a gap of about ten days and then another consecutive three days at stages two and three. Essex Gate Systems concentrate on the aim of carrying out our work swiftly and efficiently with a minimum of fuss, mess or bother so that the end result will go on to give many, many years of satisfactory service. Special arrangements can be made for urgent "pre-holiday" installations, overnight or bank holiday working, in fact whatever is required to ensure that our customers are served well.

Note: Before any civil engineering is carried out, please contact us for advice.

**If you now feel you want to take your thinking a little further forward, please do not hesitate to contact us on 01787 211 779.**



Contact us on **01787 211 779** to Arrange a **FREE** Quotation and Survey





# Essex Gate Systems

## Terms of business

- All works undertaken are subject to the contract defined in your written quotation.
- A minimum deposit of 30% is required on commencement, this may vary at our discretion and will be defined on the contract.
- Where staged payment schedules are agreed, failure to keep to agreed schedule will result in cessation of works, and if not rectified within 28 days will be considered as termination of a contract. Pursuance of outstanding moneys will be considered as appropriate and costs will be added to outstanding amounts.
- Upon completion of works balance is due according to contract/payment schedule any monies outstanding for more than 28 days from date of invoice will be subject to a 10% surcharge.
- A one year parts and labour warranty is taken as standard unless otherwise stated in the contract.
- The warranty covers all parts supplied and installed; this does not cover any parts supplied by other parties.
- The warranty is completely lost if any part supplied or installed is adapted, repaired, altered or moved by any other party.
- The warranty does not cover any accidental damage or vandalism, any evidence of tampering or abnormal use will result in total loss of warranty.
- One snagging list will be accepted for works over the value of £1000 + VAT, and addressed. Once entered no further additions will be accepted. Agreement with the customer of completion of the snagging list will be considered as completion of contract. For works of less than £1000 + VAT any snagging work will be covered by the warranty however completion of contract is considered as sign off of works by the customer.
- All site restrictions must be made known at time of survey, these may be requested in writing before a quote is issued, any site restrictions imposed after the issue of a quote may result in withdrawal of the quote, if site restrictions are imposed after the work has commenced this will be regarded as breach of contract.
- Any extra works are undertaken as a separate contract and will be priced and invoiced separately.
- Title of all goods supplied remains with Essex Gate Systems until payment is received in full.
- Any breach of the contract may result in the loss of warranty.

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