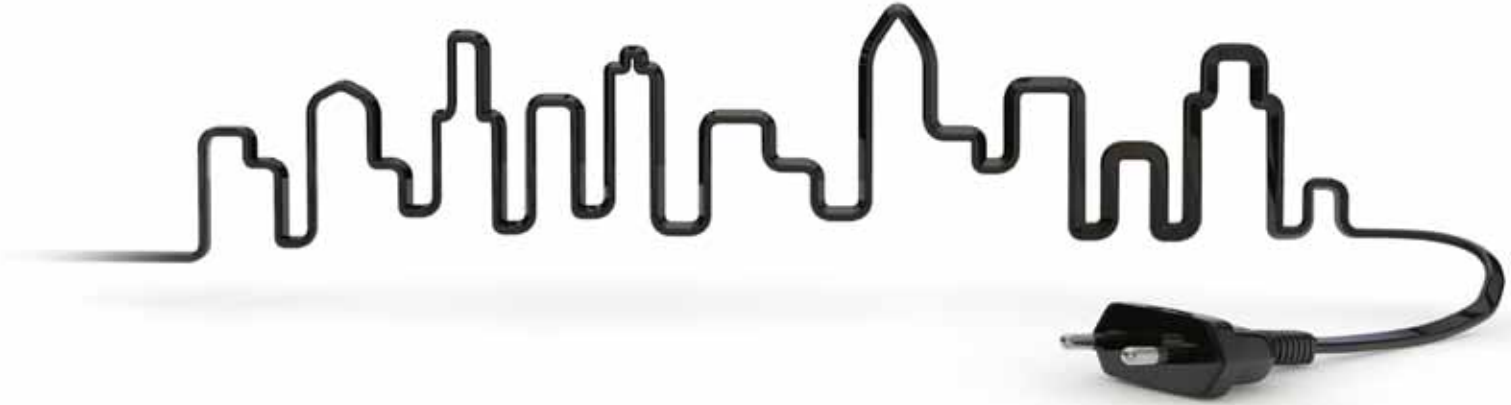




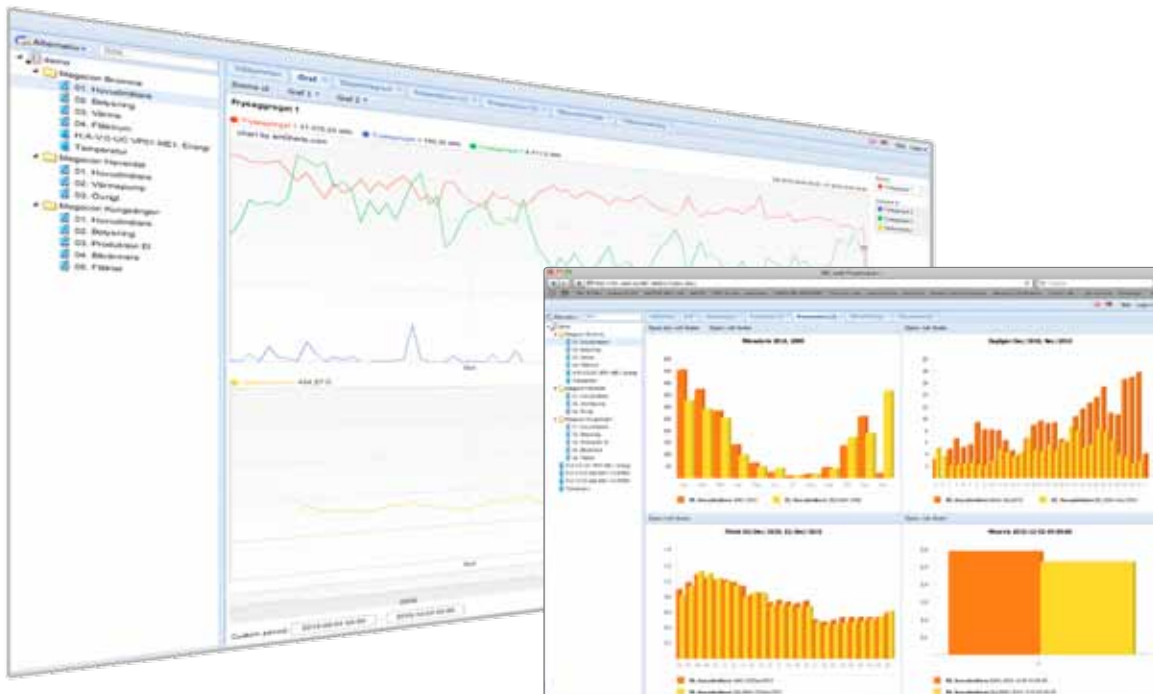
Products and systems



Now you can see where, when and how your energy is used

MC-Web

Using the latest web browser technology Enercom now offer this energy portal for collecting data. MC-Web undergoes continuous development, with a wealth of features that allow real time access to data. By simply logging onto the Internet; consumption can be monitored half hourly, allowing identification of erroneous usage very easy. Enercom offer a hosting service enabling quality data to be delivered in the most convenient way for the customer.



1 Measure

We build unique energy savings systems according to customer specific needs.

2 Log

Consumption can be logged over a period of time allowing a clear picture of historical and current consumption.

3 Bill

Allows access to detailed information for billing. Energy data can be easily exported to other systems.

4 Analyse

Analysis of the graphical data allows comparison of all measured utilities over time.

5 Act

Enables behavioural changes of the management and workforce to be implemented in order to negate unnecessary consumption.

6 Save

Financial savings will be surprising. Up to 40% savings can be achieved.

AMR Products

MultiLog G3T

A three channel device ideal as standalone unit for capturing and storing gas, water and electricity energy data or used as part of a larger system as a slave or system gateway. These devices also have the ability collect and store temperature data.



MultiLog G2

The G2 has eight channels and can be connected to any combination of electricity, water, heat and gas. As with the G3T these devices use Powerline communications to transfer data within the system and have the ability to time, date stamp and store data, G2's have the additional functionality of having a relay output and one alarm input.



MultiWeb G4T

The G4T is a storage and communications device that is used as a gateway between the MultiLogs and MC-Web software, it is a four channel device with a temperature sensor, these devices can provide your standard pulse output meters with smart meter technology for a fraction of the cost.



Earth Leakage Monitoring

A permanently installed earth leakage monitoring system from Enercom allows continuous condition monitoring of the insulation of all parts of the electrical distribution system within a facility. User configurable alarms ensure that as soon as a ground fault occurs, an alarm is triggered alerting facilities personnel of an issue. Alarm set-points can be set so low that risk of injury or damage to property, plant and equipment is minimised.

Unwanted conditions in the electrical infrastructure of a facility can be accurately monitored and identified immediately before they pose a risk to life or property

- Faulty plant and equipment
- Neutral-Earth faults that would otherwise remain un-noticed
- Installation issues such as trapped or pinched cables
- Degraded or damaged insulation
- High potential differences in the earthing system

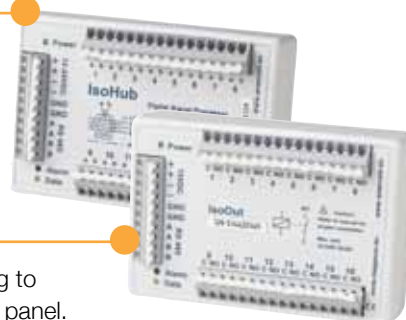
IsoBase

The IsoBase system is a central processing unit that is expandable using IsoHub and IsoOut units to create a comprehensive multi-channel earth leakage condition monitoring system constantly monitoring up to 128 circuits within a facility. The IsoBase is packaged in a standard DIN144 panel mounted form factor, and used in conjunction with our wide range of core balance CTs provides an extensive monitoring system allowing the user to identify earth leakage issues quickly and accurately.



IsoHub

Up to 8 IsoHub units can be connected to an IsoBase to support a total of 128 monitored circuits within a facility. The unit is packaged in a din rail mounted form factor and features WAGO connectors, suitable for a wide range of installation applications including offshore.

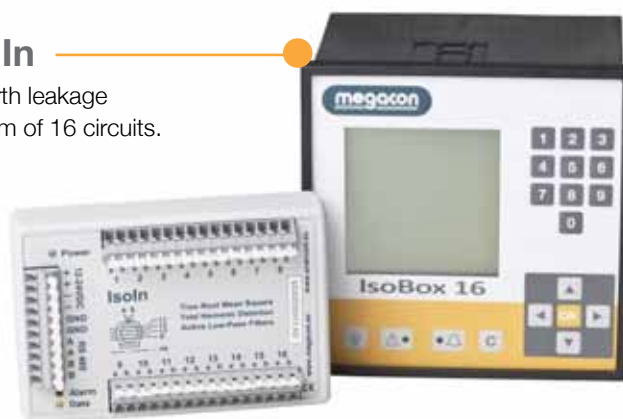


IsoOut

IsoOut allows an IsoBase monitoring system to support remote alarming to another monitoring system e.g. BMS system or operating theatre alarm panel. Up to 8 IsoOut alarm units can be connected to each IsoBase to provide remote alarming of up to 128 circuits within a facility. Typical applications of the IsoOut are within critical power areas such as operating theatres where problems can occur if a conventional circuit breaker were to trip.

IsoBox16 & input module Iso-In

IsoBox16 is a compact instrument intended for earth leakage monitoring of smaller facilities with up to a maximum of 16 circuits. Like the IsoBase, the IsoBox16 is used in conjunction with our range of core balance CTs, and supports other useful functions such as alarm memory, harmonic analysis and THD. The IsoBox16 is supplied from one part number complete with its associated IsoIn input module for ease of ordering.



Earth Leakage Monitoring

Iso-1

The Iso-1 is a simple and user friendly instrument, intended for applications where only a single circuit is to be monitored. This unit is widely deployed as a cost effective method of providing earth leakage monitoring at the incoming supply to a facility, however this application will only provide an indication of the total earth leakage present in a facility and will require much more in-depth fault finding compared to multi-channel earth leakage monitoring systems. A better application of the Iso-1 is monitoring a single critical feeder circuit within a facility. The unit is packaged in a DIN96 panel mount form factor, features tRMS measurement technology, and user configurable alarm outputs.



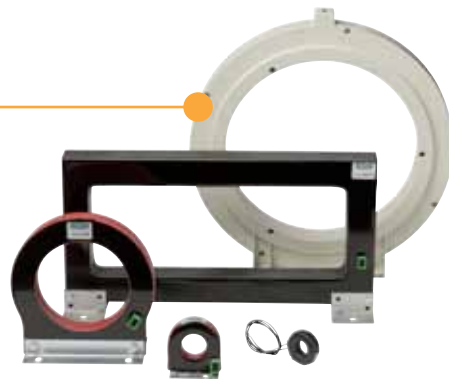
Earth Leakage Relay

ELR3C is a compact earth leakage relay, in a din rail mounted package for use in protection schemes.



Core Balance CTs

Sometimes known as 'Sensors' or 'Torroids', Enercom also design and manufacture a wide and flexible range of core balance CTs for use in earth leakage monitoring and protection systems. We manufacture a wide standard range of round or rectangular CTs in both solid and split core variants. In order to offer total flexibility to suit the installation, we are able to offer special sizes on request in small or large quantities.



IsoFlex

IsoFlex is a flexible and convenient portable tool that is indispensable for field personnel performing fault finding operations on an electrical installation. The IsoFlex is usually employed to find the exact location of a fault following an alarm being triggered in the fixed earth leakage monitoring system.



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Multi-function & Power Quality meters

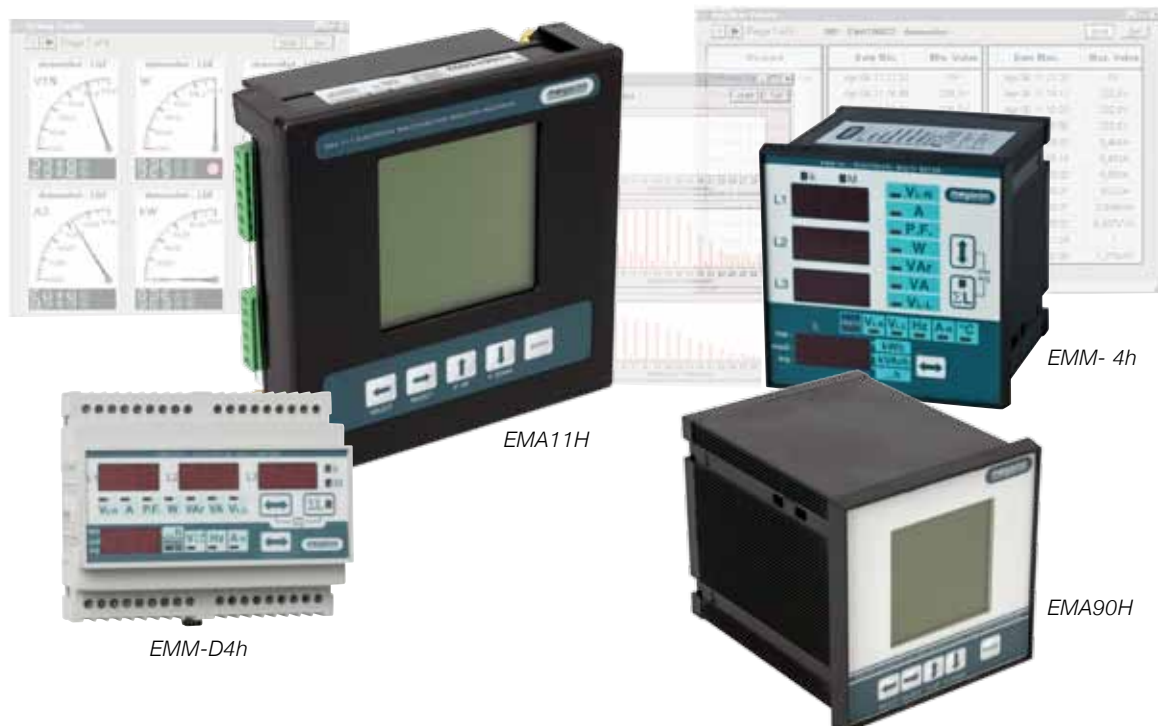
Enercom supply a wide range of multi-function meters and power quality meters and associated software to suit specific applications and budgets.

Megacon EMA series

EMA instruments have been designed to monitor, control, store and analyse all electrical parameters in a distribution network. The meters feature digital outputs for alarms or energy pulse, RS485 communications, individual harmonics (up to 31st) and on-board memory for storing logged values. The meters feature a large backlit LCD display on which all parameters can be viewed. Typical applications of the EMA series are mains incomers in large buildings / facilities or critical feeder circuits.

Megacon EMM series

The EMM series of meters is a cost effective range of meters designed to offer the user analysis of a wide range of electrical parameters. Versions are available to suit panel mount or din rail mount applications, and there are options for both analogue and digital outputs.



Enercom also offer a range of multi-function meters and PQ meters from various manufacturers to meet the specific technical requirements of each application and / or budget.

Thermo Switch

Overheating caused by overloads or internal failure of transformers and electric motors inevitably leads to reduced efficiency and increased losses in the electrical distribution network. Over time, increased temperatures degrade insulation. Using a CTT4 temperature relay will allow the user to monitor and control transformer temperatures, increasing safety and efficiency of the distribution network. The CTT4 temperature relay features two large LCD displays, memory for recall of maximum values, and programmable alarm, trip and ventilation relays.



Motor Protection Relays

A range of motor protection relays catering for applications from 1A – 630A. These units allow instant display of phase loss, even at reduced load, protecting the motor from damaging overloads in the case of phase loss.



Alarm panels

Enercom offers intelligent alarm panels, with up to 12 channels per unit. These units are designed to be flexible – covering all possible input variables 24/48/115/230 VAC/DC normally open or normally closed. Communications with other systems are facilitated with on-board Ethernet and RS485 ports.



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Panel Instruments

Enercom offers a wide range of panel instruments in all standard DIN sizes from 48-144.



Current Transformers

Enercom offer a wide range of current transformers suitable for use with multi-function and power quality meters. We stock solid core and split core current transformers in a range of physical sizes and turns ratios to suit a broad range of applications – both new install and retrofit.

Accuracies available include class 1, class 0.5, and for the highest accuracy available, class 0.2S.



Rogowski Coils

For special applications, where traditional core balance CTs are not suitable, Enercom offer custom made Rogowski coils for use with our earth leakage monitoring systems. Each coil is made and tested individually to suit the specific application and supplied with the necessary integrator in order to interface correctly with the earth leakage meter / relay. Rogowski coils are typically used for retrofit applications where a large group of parallel cables with broad spacing would make a traditional core balance CT very difficult to physically fit within an enclosure.

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