

MIMIR X2-G DATA LOGGER



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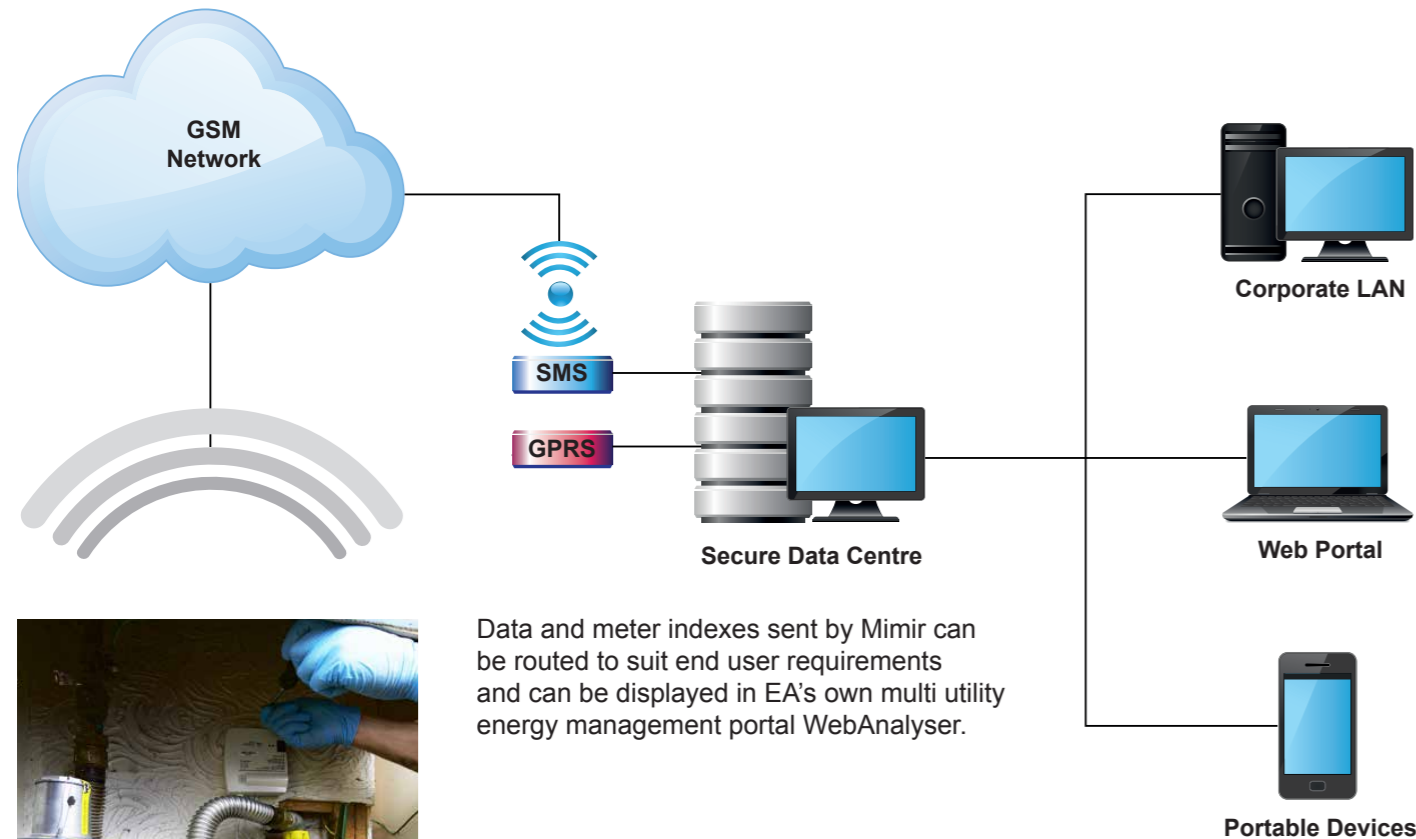
The Mimir X2-G datalogger provides remote monitoring of energy data consumption and plays an integral role within the Automated Meter Reading (AMR) service that Energy Assets (EA) provide to utility suppliers and energy consumers.

From placement of contract to delivery of AMR data, EA has developed a simple, responsive installation and data management service. Consistent data transmission and collection enables clients to have confidence in AMR as a positive management tool in achieving their energy usage commitments and for delivery of billing reads for utilities.

The Mimir has been developed utilising EA's industry expertise and the experience over 10 years of AMR service provision - with an eye on robust data delivery and simple on site installation and commissioning. As one of the UK leading AMR service providers, EA is ideally placed to continually evolve and lead technology advances and product development team.

Intrinsically safe (ATEX Zone 0) and fitted with a GSM modem Mimir collects consumption in half hourly increments and transmits day +1 data via GPRS or SMS to a secure central data collection centre where the data is processed and delivered in to the new WebAnalyser data energy management portal for end user access or to suppliers for their own billing purposes in a variety of industry recognised file formats.

CONSUMPTION DATA FLOWS



Data and meter indexes sent by Mimir can be routed to suit end user requirements and can be displayed in EA's own multi utility energy management portal WebAnalyser.

The Mimir is installed as part of the EA TEAMS process - Bespoke asset management validation and auditing software is used to electronically capture all stages of the meter installation process including the datalogger install. A call checker is used as part of the process ensuring connectivity with the data centre.

Features

- **Zone Zero ATEX Approved**
- **GSM - SMS & GPRS communication**
- **Multi utility**
- **Remotely configurable**
- **GM7 compliant**
- **Option of pulse replication**
- **1 or 2 channel**
- **Firmware upgrade facility**
- **Visual signal indicator**
- **Integrated Roaming SIM**
- **In field battery replacement**
- **Easy to install**

Mimir (X2G) details

- Interface to gas, electricity and water meters via the pulse output from the meter
- The unit is capable of interfacing with up to 1 meter with tamper detection or 2 channels without tamper
- Pulse counting at frequencies up to 20Hz to allow for high flow rates
- Pulse output - programmable pulse width 20ms up to 200 mS
- Visual indication of Pulse output
- Intrinsic Safety for application up to and including Zone Zero
- Logging at user-defined periods from 5 minutes to twice daily and daily intervals; an example service could be 48 records per day per input of 30 minute data sent in a single SMS
- Internal non-volatile data storage as a secure backup
- In excess of 5 years battery life if accessed daily
- A back up battery means a battery replacement can be undertaken in the field without interruption of the main battery, which also can be replaced in the field;
- Cable pre fitted to reduce time and error on site
- Suitable for internal and external installation
- Simple secure mounting
- Small compact case

MIMIR (the equipment) is marked as suitable for installation in a hazardous zone, as defined by ATEX/IECEX. The equipment is fully approved for connection to any equipment in hazardous zones defined as Zone 0, Zone 1 and Zone 2 with any type of gaseous mixture up to and including the IIC, IIB and IIA range.

The equipment is certified for use in ambient temperatures in the range -40 °C to +60 °C and should not be used outside this range.

The enclosure is designed to meet a basic IP rating of IP40.

Approvals Type: Mimir (X2-G)

ATEX Certificate no.: SIQ 14 ATEX 209 X Issue 0
 IECEX Certificate no.: IECEX SIQ 14.0003X Issue 0
 II 1G Ex ia IIC T4 Ga 0518

-40 °C ≤ Ta ≤ +60 °C

Applied Standards:
 EN 60079-0:2012
 EN 60079-11:2012
 EN 60079-26:2007

The following standards used for reference:

EN 61000-6-2:2005 ETSI EN 301 489-1:v.1.4.1
 EN 61000-6-4:2007 ETSI EN 301 489-7:v.1.2.1

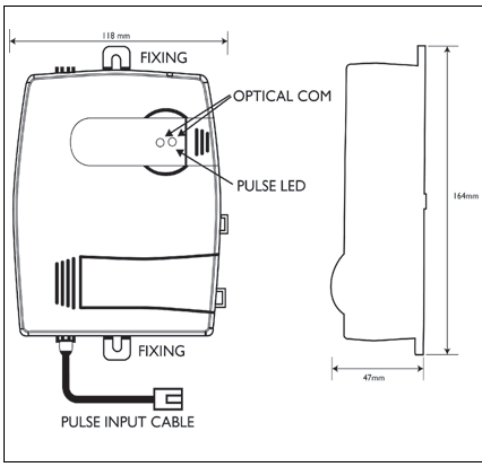
Pulse Input Connection in the Hazardous Area:

Uo = 3.9 V
 Io = 4 mA
 Po = 3 mW
 Ci = 99nF
 Li = 0

- Co (MIMIR) to be greater than Ci (Meter) + Cc (cable to Meter)
- Lo (MIMIR) to be greater than Li (Meter) + Lc (cable to Meter) or L/R (MIMIR) to be greater than L/R (Meter) + L/R (cable to Meter).
- Uo (MIMIR) to be lower than Ui (Meter).
- Io (MIMIR) to be lower than Ii (Meter).
- Po (MIMIR) to be lower than Pi (Meter).

bringing meters to life...





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For further details regarding installation of equipment in hazardous areas, consult:

IEC 60079-14:2008 – Electrical apparatus for explosive gas atmospheres; Electrical installations in hazardous areas (other than mines).

Support and Contact Information:

A more detailed instruction manual is available.

For technical support, product queries and information please contact:

Tel: **01506 405 405** Fax: **01506 416 629**
sales@energyassets.co.uk



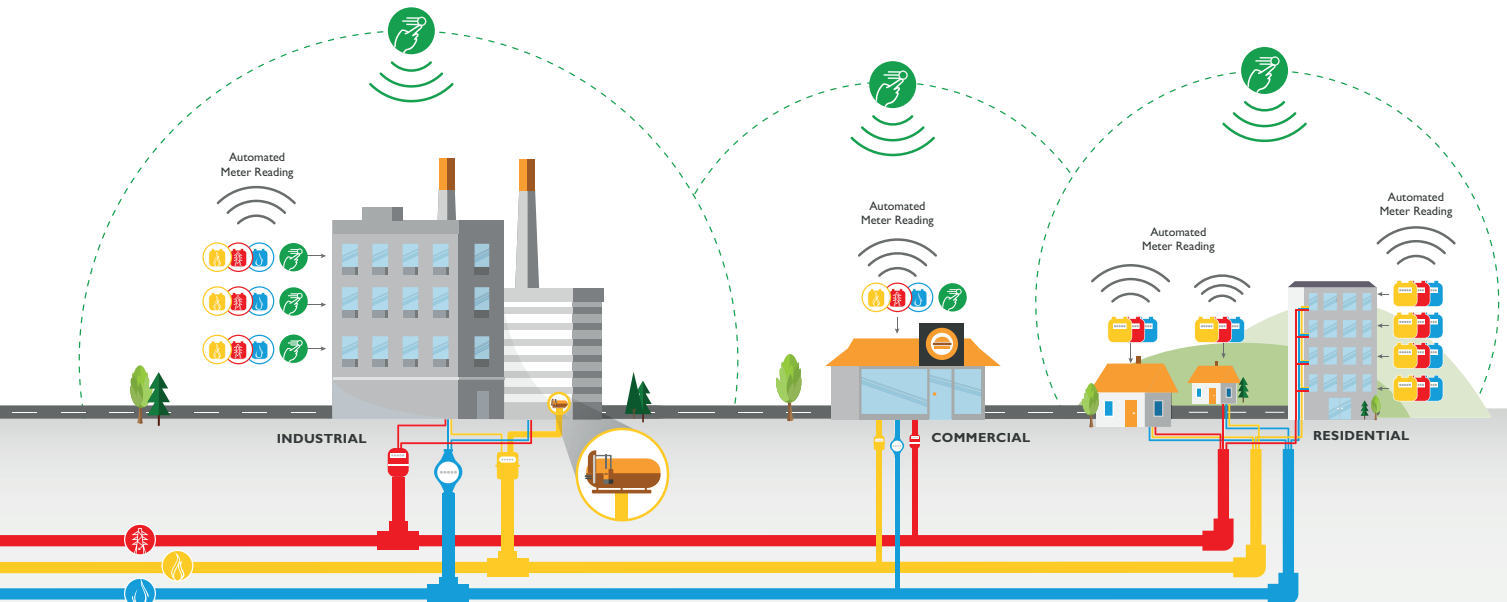
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Energy Assets and the manufacturer shall not be liable for errors contained herein or for incidental or consequential dam-ages in connection with the use of this material.

Energy Assets and the manufacturer exercise due diligence to ensure that the equipment is suitable for use in stated applications, but ultimate responsibility for the compliance of a complete system must rest with the prime contractor and installer.

Metering, energy data and network services for the UK energy and utilities market.



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