GesLuce

Global Energy Meter - **G.E.M.**

lightenjin

Solution in **Monitoring** Energy Consumption

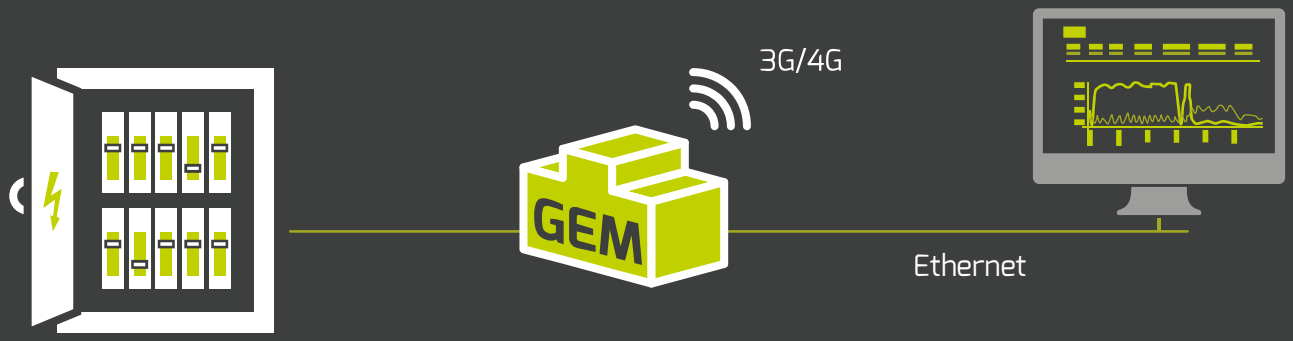
At the present time, reduce energy consumption, it's not only seen as a positive practice and sustainable environmental policy, but also a competitiveness of the companies and industries. However, managers usually do not have all the necessary information to make proactive and informed decisions on the energy used in their buildings.

The key to energy reduction is not only using effective technologies, but also the provision of certain information about the use of these technologies.

Energy remote monitoring is an effective solution and it is compared to reduce energy consumption and anomaly detection, as well as the implementation of best practices in operating.

The use of web technologies for energy monitoring enable the provision of information that allows managers to understand the energy use in their companies and helps them to implement necessary measures to continuously improve energy efficiency.

Global Energy Meter



How it Works

The GEM is a monitoring solution of energy consumption for single-phase and three-phase circuits.

The monitoring data and reports are available through a dedicated web page, which can be accessed by 3G / 4G and / or Ethernet connection.

The information collected by GEM can be accessed directly, without subscribing to any services that require subscription or monthly fees.

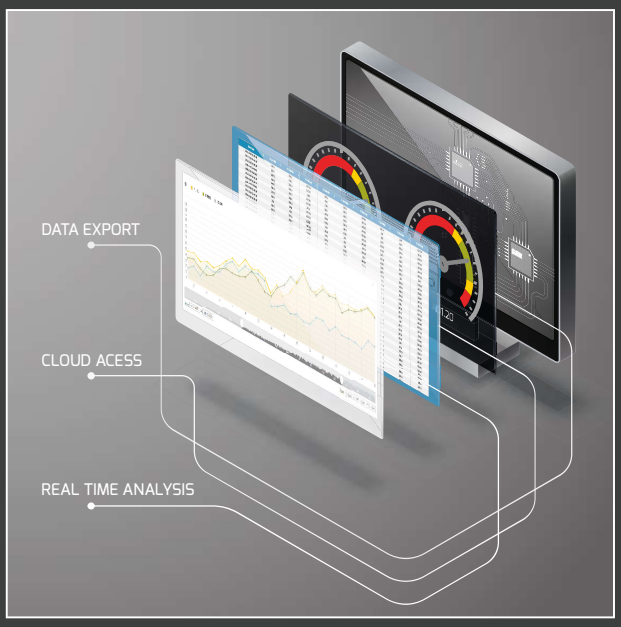
Using data export tool, it is possible to build reports, allowing an analysis of the global consumption of your residential, commercial or industrial installations, providing the information needed for optimization and verification measures of energy efficiency and negotiation of energy supply contracts.

Technical Description

FEATURES:

- Online real-time monitoring
- Export all data in different formats
- Remote software update
- Web access to the device through dedicated page
- Restricted access to the device through credentials (login / password)
- Can be connected through 10/100 Ethernet and 3 / 4G

- Available Parameters in real - time:
  Instantaneous voltage and medium (L- N, L- L), current, instantaneous power and average (active, reactive and apparent), Energy totalizer (active and relative), frequency and power factor..

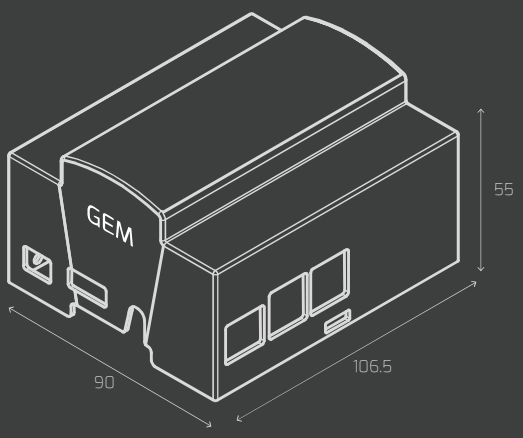


SOFTWARE:

- History data view in table and graphic format.
- Filtration/ ordination of the history data view in table format.
- Data Export (Total, medium, instantaneous values)
- Limits configuration of voltage and frequency variation, monitoring and alarm for parameters exceed.
- User's management of equipment and profiles associated

Technical specifications

Work temperature	-20 a 55ºC
% error measure	0,5%
Assembly	DIN rail or Pannel
Energy Supply	230 VAC
Consumption	3W
Dimensions (mm)	GEM: 106,5 x 55 x 90
	Meter: 71,7 x 64,6 x 71,7



POTENTIALS

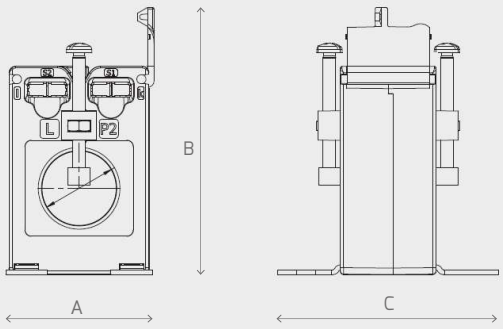
The use of high precision energy counter and real-life time data access, permits the systems management of large dimensions building or energy installation measure a number of parameters.

- Optimization of energy management
- Characterization of electrical installation charges
- Detection of parasitic consumptions
- Detection of anomalous values in the electrical parameters (overvoltage, under voltage, power surges, etc.)
- Power adequacy taken * / contracted

* The power value contracted at delivery points and upgraded to the maximum outlet power, registered in the previous 12 months, including the month that the invoice relates

ACCESSORIES

The GEM equipment is supplied by default with 50th of current transformers and can be equipped with variants to 3200th.



Technical specifications			
Operating temperature	-25 a 60ºC		
Storage Temperature	-30 a 70ºC		
Certifications	CE, cUrus e CSA		
Connections	Screws 1.5 a 6mm²		
Protection Index	IP20		
Allowable Stress	230 a 400VAC		
Current	50A	300A	3200A
Cable Diameter (mm)	max. 23	max. 23	-
Bus Dimensions (mm)	20 x 5	20 x 5	50 x 125
Weight	150g	200g	700g
Dimensions ABC (mm)	46x84x69		107x196x60*

* vertical assembly

A Empresa

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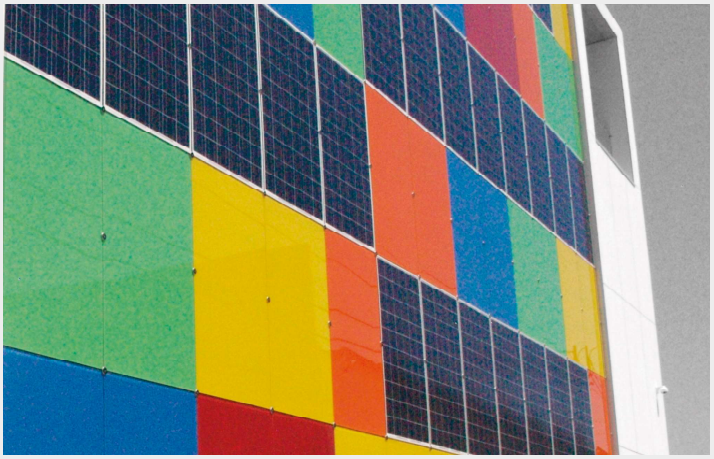
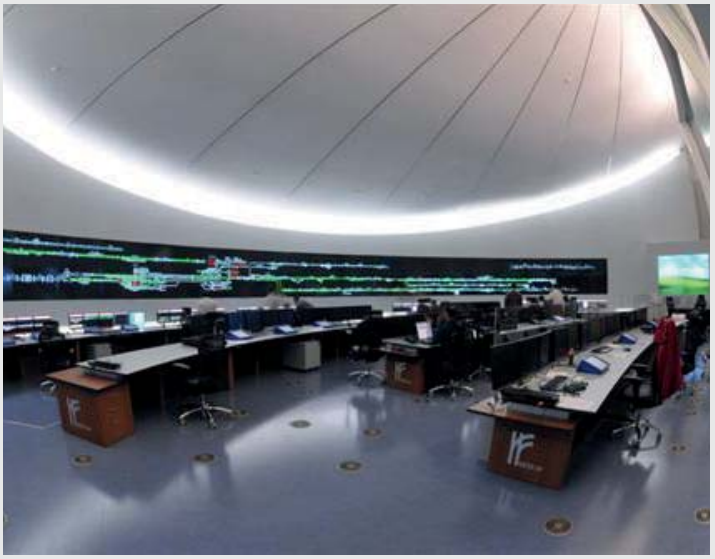
Founded in 2016 Lighentjin, focused its activity in the consulting area in *Light Design*, running lighting projects for interior and exterior.

The proximity of the most reputable architecture and design offices, allows LIGHTENJIN to offer lighting projects in iconic spaces and great prestige.

The evolution of lighting management technologies LIGHTENJIN extended business area of operation to control systems projects to continue at the forefront of lighting technology, using electronic equipment and software's to increase energy efficiency.

The range of products *enluce* marks a turning point for the company, which in addition to the design based on robustness and energy efficiency and all the experience gained over the years.





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