

Are your efficiency measures really saving money?

The overall energy bill is not a clear indicator of specific project performance. Sub metering and monitoring energy used at the process or machine level enables the identification of energy waste and the verification of results from implemented efficiency measures.

Can you control energy consumption in real time?

An EMS allows you to know in real time where energy is being used and generate alerts when its being wasted. An EMS saves money by automatically turning off loads when they are not in use or load shedding non essential loads to avoid maximum demand penalties.

Energy Management Systems

You can't manage what you don't measure



A division of INTEGRATED AUTOMATION Pty Ltd

ACN 070137334
Ph: 1300 468 288
Fax: 0393151166

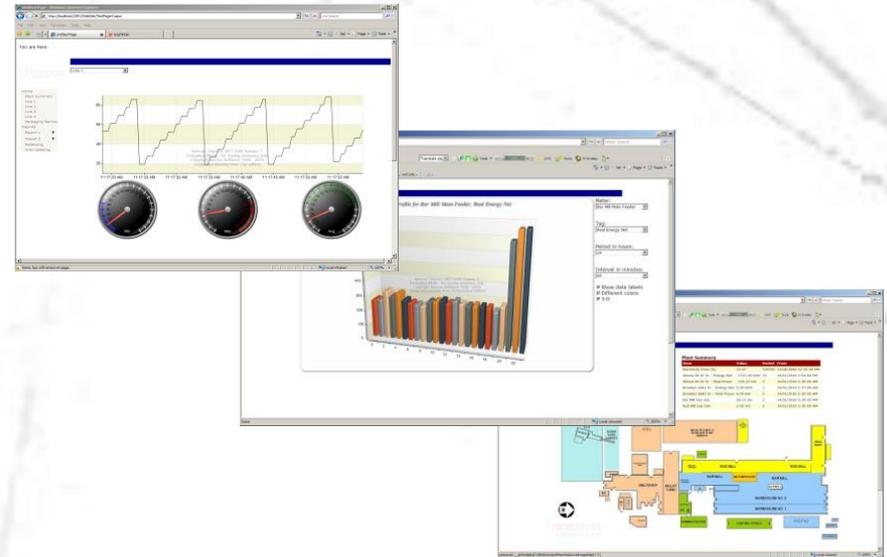
Dandenong
T: 039362 4221
F: 039793 2033
Unit 4 175 Cheltenham Road
Dandenong VIC 3175

Geelong
T: 039362 4221
F: 035272 1950
164 Victoria Street
NORTH GEELONG VIC 3215

Millicent
T: 088733 0670
F: 088733 0606
12B Ridge Terrace
MILLICENT SA 5280

Melbourne
T: 039362 4221
F: 039315 1166
Unit 1 32 Westside Drive
LAVERTON NORTH VIC 3026

Sydney
T: 029844 5433
F: 209844 5445
Gordon Executive Centre, Suite 1A Level 2
802 Pacific Highway, GORDON NSW 2072



Enresco provides Energy Management Systems to report and control energy consumption remotely in real time

Energy Management Systems (EMS) are a building block to mitigate future energy risks and enhance the competitiveness of businesses through:

- Increasing control and efficiency of energy consuming processes;
- Eliminating waste of energy resources;
- Strengthening site performance increasing accountability among users;
- Providing the tools and information to accurately evaluate investment projects;

Sub meters & Data concentrators

The data from a main meter (water, gas, electricity) is valuable and provides a picture of the site as a whole. However, digging deeper into a site's energy consumption pattern through sub metering provides a much greater opportunity for cost reduction.



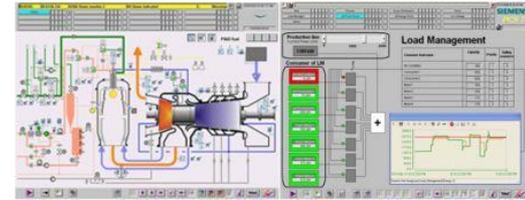
Data concentrators allow for real-time monitoring of energy consumption from multiple sub meters and other devices, transmitting over long distances efficiently and performing peak shaving, ultimately sending signals to switch off/on loads so that consumption can be adjusted.

Example of Energy Management System- Steel manufacturer

We developed a load control and corporate reporting system that monitors and displays: Spot market next trading period price (half-hour) and 5-minute pre-dispatch prices; Actual power usage at each of the main production areas within the site. More importantly the system provides a mechanism for warning and then load shedding each of the production areas if predetermined energy prices are exceeded and provides online access in real time to all data and consumption reports on graphical format.

SCADA packages

SCADA can be a cost effective, integrated, and scalable component for monitoring energy usage at the plant level. Many companies already have SCADA packages that can be engineered to gather the data required to improve energy use such as compressed air, steam, electricity, gas water and others.



Energy management systems

Making energy visible implies transforming data into relevant information and provide access to energy dashboards, management reports, benchmarks and KPI's performance to all stakeholders, from the energy managers to the board room enabling the decision making process.



Enresco can supply the equipment, software and engineering design you need to implement your EMS. The systems can be installed and managed on-site or offered as a service where Enresco provides the hosting, data warehousing, software, maintenance and the services of an energy specialist to continuously monitor and report on your energy use.