



Start saving today...



Monitor and control your energy needs



iEnergy is a comprehensive software and hardware solution developed by Industrial Solutions to monitor and control your energy needs in one complete system.

Rising energy costs affect the ability of many companies to remain competitive. However, there's never been a better time to implement energy saving measures.

iEnergy monitors consumption of energy and provides you with the information to identify and address energy issues.

iEnergy will then enable you to control your facility and ensure you maximize your energy savings year on year.

Essential questions for the cost conscious business

- How and why is energy consumed?
- How can I clearly see my companies energy usage?
- How do I streamline my production and reduce energy costs?
- What is my energy cost per production unit?
- How do I save energy?

“ The Carbon Reduction Commitment, the UK new carbon trading scheme will start operating April 2010 ”

let iEnergy help you



iE System Benefits

Increased energy prices and a clear message from the carbon trust regarding energy consumption has raised the profile and the need for energy monitoring.

iEnergy can provide a number of benefits to your operation such as

- Energy analysis
- Reduce the time spent collating data
- Save up to 20% on your energy consumption
- Waste management
- Operational improvement
- Utility bill validation
- Supply negotiations



The iEnergy System

iEnergy is a complete installation that measures, records, transmits, analyses, reports and communicates meaningful energy management information to enable your business to manage the energy it uses.

The goal of the iEnergy system is to determine the relationship of energy use to Key Performance Indicators such as production and efficiency.

Industrial Solutions believe there are four key elements within a holistic energy management system,



Collecting



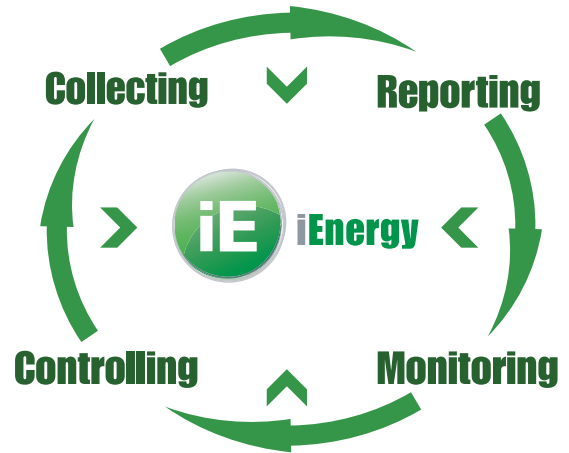
Reporting



Monitoring



Controlling



These elements form a constant feedback cycle, therefore improving the control of energy use.



Collecting

The "collector" is the heart of the system and has a number of primary functions.

The "collector" buffers data between the monitoring system and the reporting system ensuring data integrity and can also gather vital information about your processes such as operating temperatures and production rates and other consumption variables.

After we have analysed the data then the "Collector" is used to ultimately take control of your process to minimize energy consumption. The "collector" is the physical interface between the systems you are monitoring and our package allowing you to see your companies usage.



Reporting

iEnergy has a wide range of reports with real time and historical data available as standard, allowing you to plot energy costs over time and indicating how much energy is used with the associated cost each month.

More importantly this data can be tracked against production data therefore providing accurate cost per unit. The energy profile illustrates when most energy is consumed during a working day and more importantly track where and when waste occur allowing you to save time and money.



Monitoring

iEnergy will allow you to connect to a full range of energy metering devices for utilities such as electricity, air, gas, steam, water. The system can also accommodate a number of process signals such as temperature, humidity and production rates.

The open architecture of the system ensures that most monitoring device can be easily integrated into the system and with our technical teams knowledge we will ensure that any area of your plant can be integrated into the iEnergy system.



Controlling

iEnergy goes one step further than most products on the market in that the "Collector" can be programmed with a range of defined control parameters, so that processes can be tuned to reduce the energy demand in line with production and product quality.

iEnergy removes "chance" from your process ensuring that you maintain a tight control on your production energy costs.

Not only that but iEnergy can integrate OEE (Overall Equipment Effectiveness) allowing you to reduce any major impact on energy consumption per product unit.

“ The final stage of holistic energy improvement is control optimisation ”

iEnergy can save you money



If you are interested in what iEnergy can do for you and your company or would like to find out more information please contact us on the details below.



iEnergy

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