



Imperium Energy

The power to generate live charts & graphs from live BMS data

Monitor high level building performance overviews as well as low level data mining.



The Imperium Energy Dashboard provides online monitoring solutions for the BMS industry, intelligently reusing existing BMS data from multi vendor applications.

Reusing existing data intelligently

Most Building Management Systems already store values in various types of database; our vision was to tap into these existing databases to extract data without the need for third party installations. Our data retrieval so far incorporates SQL, Access and Excel types of database and links seamlessly with Trend's 963 application.

Online monitoring solutions

Essentially the Imperium dashboard is a series of web pages attached to a database. With the understanding that certain IT provisions are met we will be able to display our dashboard over the internet offering the ability to remotely monitor data.

Multi purpose, multi function applications

The unique ability of Imperium Energy's dashboard is to link the system into any environment, to do this we have developed 'apps' designed for specific functions. So far we have designed apps for:

- High level building performance monitoring.
- Data mining, the ability to monitor low level items of plant.
- Legionella Monitoring.

We offer a bespoke service where we can create applications specific to the requirements of the client.

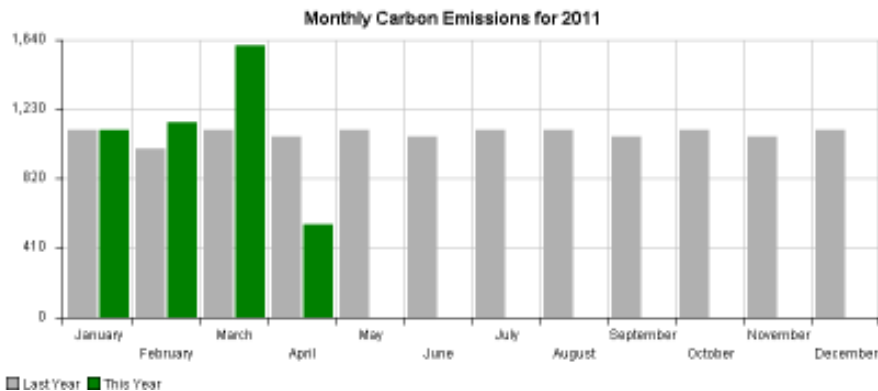
Imperium - added functionality

Therms	Kg CO2	Today	
62	33.58	Last Month	
1022	553.52	Last Year	
8180.74	4430.69		



Building Energy Performance

Imperium can produce information screens displaying overall consumption readings converted into emission output. The values are comparable year on year and can be used to highlight set targets.



Data Mining

The data mining overview will show all recorded data points with out of limit values highlighted to offer an instant system status snapshot. From here the user can click on any value to display its recorded history as well as configure the high/low limit thresholds.

Select:	Outstation ID :	Sensor Label :	Value :
<input checked="" type="checkbox"/>	Coxen Plant	Heat Exchanger 3 Flow Temp	58 °C
<input checked="" type="checkbox"/>	Plaster Ward	HWS Cal 1 Temp	60 °C
<input type="checkbox"/>	Re-hab Ward	HWS Cal 1 Temp	62 °C



Excel conversion

With imperium's new Excel app' we can now generate spreadsheets directly from the data collected by the dashboard.

Imperium Energy monitoring solutions

Software Product	Description	
Imperium Dashboard	Core software platform connected to existing BMS database extracting desired data values to be displayed on the dashboard pages.	Quote on request
Imperium building performance application	Dashboard web pages to display high level metering information in a presentation format which will auto-scroll through performance and consumption readings as well as providing an information ticker.	Quote on request
Imperium legionella application	Dashboard web pages displaying water temperatures within high and low threshold limits which are user configurable.	Quote on request
Imperium enhancement service	Additional bespoke applications can be designed specific to clients request	Quote on request

Specifications

The specifications below refer to a standard PC with mouse, keyboard, hard drive, DVD drive and monitor. The Imperium dashboard is a real time application; installed PCs must have enough free resources to run the dashboard under peak load conditions.

Recommended (On-site)	2 GHz
Processor:	1 GB RAM
GHz RAM:	40 GB hard disk with 1 GB free for installation and space for site data
Space:	128 MB, 1280 x 1024 resolution
Graphics Card:	*Windows XP SP3 Professional
Operating System:	*will also operate on Windows Vista™ Business SP1, or Windows Server 2003 SP2 Standard, and Enterprise with Internet Explorer version 6 SP1.963 will only operate on 32 bit operating systems. Where Trend 963 is the onsite Building Management System, version 3.10 (or greater) is required.

Clients Imperium dashboard clients may be any configuration providing they are running TCP/IP networking protocol, have an Ethernet card, and a web browser. For full graphics capabilities (graphic mode) Internet Explorer v6.0 or greater, or Firefox 2 (recommended Internet Explorer version 6 or greater) and the SUN JAVA runtime environment J2SE5.0 or greater is required. The browser must have JAVA script enabled. Other browsers provide a text only display (text mode).

Supported database platforms SQL Server
Microsoft Access 2003 (or greater)
Office Excel 2003 (or greater)

