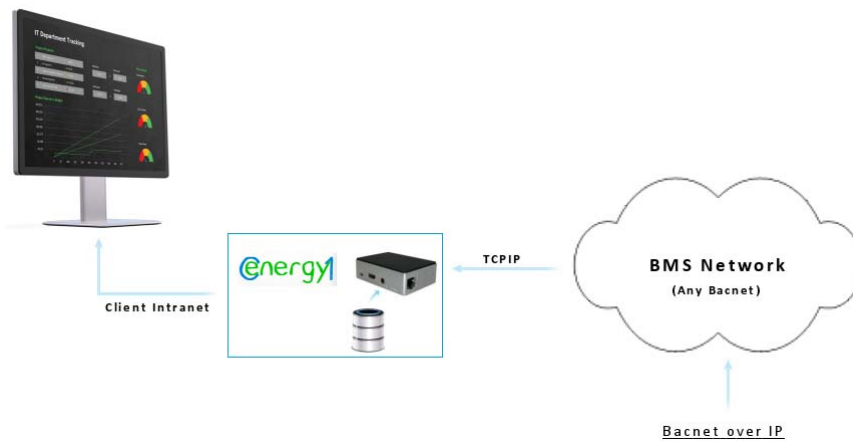# Cenergy 1

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

The ability to monitor high level building performance overviews as well as low level data mining.

Cenergy 1 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 have the ability to communicate using open source Bacnet; our vision was to create a plug and play dashboard that seamlessly taps into any Bacnet points available to create intuitive dashboard displays without impacting the the day to running of the BMS.

Online monitoring solutions

Essentially the Ce 1 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 the Cenergy 1 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.
- Focused temperature and conditions monitoring.

We offer a bespoke service where we can create applications specific to the requirements of the client.
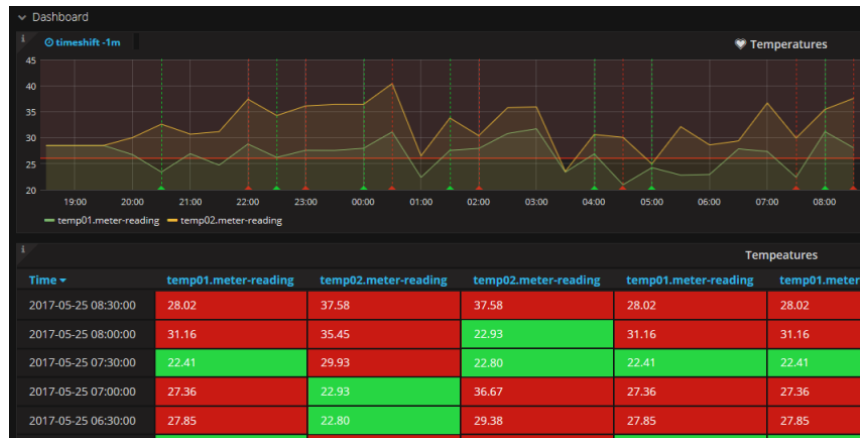
Cenergy 1 - added functionality

Building Energy Performance

Ce1 can produce information screens displaying overall consumption readings converted into monetary castings'. The values are comparable year on year and can be used to highlight set targets.

Data Mining

The data mining overview will show 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.

Excel conversion

With the Cenergy 1 csv app, we can now generate spreadsheets directly from the data collected by the dashboard.

Cenergy 1 - monitoring solutions

Software Product	Description	
Cenergy 1	Core software platform connected to existing BMS database extracting desired data values to be displayed on the dashboard pages.	Quote on request
Cenergy 1 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
Cenergy 1 enhancement service	Additional bespoke applications can be designed specific to clients request	Quote on request

Specifications

The specifications below refer to the hardware supplied. Cenergy 1 is a real time application.

Hardware (Supplied)

CPU:	1.2 GHz 64/32-bit quad-core ARM Cortex-A531 GB RAM
Memory:	1 GB LPDDR2 RAM @900 MHz(2)
Storage:	MicroSDHC slot
Graphics Card:	Broadcom VideoCore IV at higher clock frequencies (300 MHz & 400 MHz)

Prerequisite   Cenergy 1 is open source Bacnet compliant, all points exposed using this method can be used to generate the dashboard ui. We can help with the engineering of this if requested.
The hardware supplied can sit on the client network allowing multi user control.

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