



Building Energy Management Systems (BMS)



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"A building energy management system (BEMS) is a sophisticated method to monitor and control the building's energy needs. Next to energy management, the system can control and monitor a large variety of other aspects of the building regardless of whether it is residential or commercial. Examples of these functions are heating, ventilation and air conditioning (HVAC), lighting or security measures"

ClimateTechWiki.(2013). Building Energy Management Systems.
Available: <http://climatetechwiki.org/technology/jjqweb-bems>

BEMS Solutions

At CSL we understand the need for a BEMS to be as sustainable and energy efficient as possible, whilst providing a comfortable environment for its occupants. CSL's intelligent and innovative BEMS solutions are vendor agnostic and our engineers attend regular product training, allowing us to select best fit products for each individual project.

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"I have used Combined Services on a number of projects to date and have always found their knowledge and attitude to be exemplary from project conception to final handover.

I have no problem in recommending them to other members in our team and other organisations, and value them as a trusted sub-contractor"

Paul Merrell - FG Alden





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Utilising our skilled project managers, engineers, control panel manufacturing facility and network of approved sub-contractors, CSL offer the full bespoke BEMS package from initial concept design to on-site client training and everything in between including;

- » Bespoke control panel manufacturing
- » BEMS design
- » BEMS software creation
- » BEMS head end graphics
- » BEMS installation
- » BEMS commissioning
- » BEMS documentation
- » BEMS training
- » BEMS demonstrations
- » EIB/KNX room level automation
- » Remote access solutions
- » Energy metering
- » Post installation support

CSL also appreciate the reoccurring need to integrate our BEMS solutions with 3rd party devices such as lighting, security, metering, access and home automation applications. As such we base our systems on standard industry protocols including BACnet, LON, M-BUS, Modbus TCP/IP and EIB/KNX.

Remote Accessibility

By keeping up-to-date with latest IT technology and employing in house IT experts, CSL can

provide multiple IT network solutions to provide remote BEMS access via the internet or secure VPN connections. Our networks have been used to monitor and control BEMS systems remotely and even provide access to metering solutions to view and bill energy usage. ♦



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