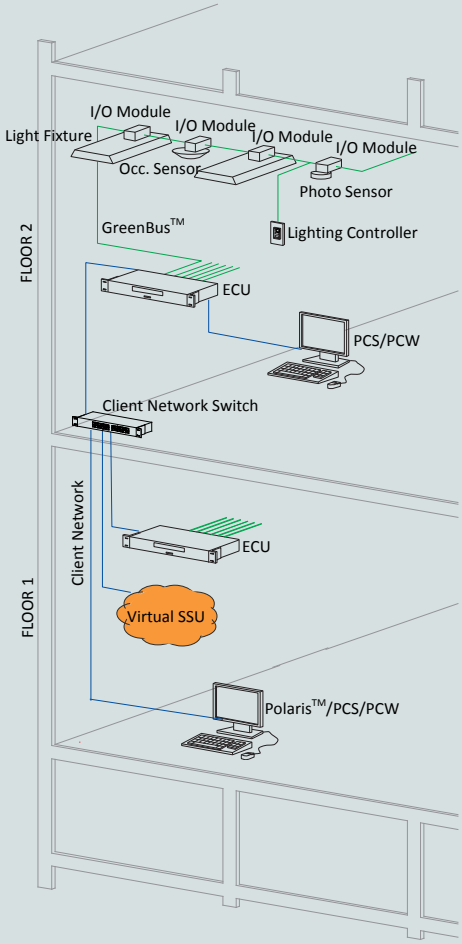
ENCELIUM

ENERGY CONTROL SYSTEM SOFTWARE



SYSTEM ARCHITECTURE

This illustration shows how each component is easily integrated into the Encelium Energy control System. Each light fixture, sensor and lighting controller is daisy-chained back to the Energy Control Unit (ECU) using prefabricated 'click & go' GreenBus™ communication cabling. ECUs typically control individual floors and are linked via an Ethernet Network. Internet or LAN connection allows Windows floor plan based control software to be operated anywhere on the network. For reference, the component shown on this data sheet is highlighted.

VIRTUAL SYSTEM SUPPORT UNIT (SSUV)

All functionalities of a standard hardware based Encelium System Support Unit (SSU) can reside on a client server as a virtualized version of the SSU, called SSUV. This eliminates the need for dedicated server hardware. It is important to note that all ECUs must be assigned with static IP addresses for communication with the SSUV. In addition, certain Encelium specified communication ports must remain "open".

The SSUV serves as the database server for all data related to an Encelium system installed in a facility. The SSUV stores all system settings and parameters, including attributes for zones, fixtures, sensors, zone controllers and scene controllers. Additionally, it maintains multiple set-points, including those for light levels, time schedules, occupancy sensor timeouts and demand response or load shedding features. The SSUV also logs historical data regarding the system's operational and energy savings results.

The SSUV provides the ability to remotely access a system in order to change system settings or configuration, analyze system performance or energy data or troubleshoot thereby providing quick and seamless customer support. The SSUV also hosts the web interface required for the web enabled Personal Control Software. In addition, optional building automation system interfaces such as BACnet, A/V Interface, and Niagara are available upon request.

Each Energy Control System (ECS™) requires one SSUV (or hardware based SSU).

GENERAL

Virtual SSU requirements:

- Dual Core Processor or higher
- 120 Gb or higher HD space
- 2 Gb or higher RAM

Supported O/S:

- Windows XP Pro
- Windows Server 2008
- Windows 7 Pro
- Other operating systems subject to approval by Encelium

Specifications subject to change without notice.

For more details, consult factory representative.

Cat. #SSUV-200

ENCELIUM

SWL-SSUV-TD-07-11

CORPORATE HEAD OFFICE
500 Frank W. Burr Boulevard
Floor 1, Suite 29
Teaneck, NJ 07666, U.S.A
Tel. 1.201.928.2400
Fax: 1.201.928.4028

CANADIAN OFFICE
68 Leek Crescent – Unit A
Richmond Hill, ON L4B 1H1
CANADA
Tel. 1.905.731.7678
Fax: 1.905.731.1401

TECHNICAL SUPPORT
1.888.531.7573

EMAIL technicalsupport@encelium.com
WEB www.encelium.com/technicalsupport

PROJECT NAME_____ PROJECT NO. _____ DATE_____